

*Journal*  
for 1879, 1880,  
and 1881.

THW

18





---

*Meteorological Journal,*  
*for*  
**1879.**

---



# January 1879.

Jan'y.	Baro. meter	Wind.	Thermom. Min. & Max.	Character.	Notes.	Rain.
W. 1.	29.84	W 6.4.43 $\frac{1}{2}$ W 5.2. W 1. SE 1.	45 45	Heavy gale early AM, clear, bright & mild morn'g, but a cloudy afternoon. Some sleet & snow, 8 to 9 pm.		
Th. 2.	-92	W 2. NW 3. NW 2. S 1.	30 $\frac{1}{2}$ 33 33	Little frost in the morn'g bright all day, with a sharp freezing breeze, & much sharper as the day proceeded. Cloudy night & change after 12.	Snow 2 inches deep.	
Fr. 3.	29.60	ESE 2. SE 2. NE 1. N 2.	24 $\frac{1}{2}$ 33 36	Snow & rain, but keen frost before midnight. Raining till noon, and a foggy afternoon, & evening. clearer & frost during night.		42.
Sat. 4.	-73	NW 0. NW 2. NW 4. S 3.5.2.	23 23 36	Hard frost & clear morn'g, bright with a grey haze all the forenoon. More hazy pm, but froze all day. Blowing evening, & some sleet night, fine, clear & frost.		
Su. 5.	30.12	NW 2. W 2. WSW 1. W 1.	24 25 33	Clear, hard frost & keen breeze. Day bright all day, and frost went on, but less wind. Clear sun- set, and continued hard frost all night.		
M. 6.	-24	W 1. W 1. W 1. Var 2.	24 $\frac{1}{2}$ 27 33	Clear and hard frost very bright till noon, afterwards gloomy, and hazy. The evening the same. Fog at 7 pm.		
Tu. 7.	-24	E 3. E 4. E 4.	27 $\frac{1}{2}$ 30 31	Cloudy and frost with bisk & keen wind, froze all day, and the wind sharper, & cloudy sky. Evening the same.		
	419.36		1975.247	Mean Temp 31.71.	Rain car over 0.42	
			444	5° below corrected Average.		



# January 1879.

Jan.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Character.	Notes.	Rain 0.42
W. 8.	29.78	ESE 4. E 4. E 3. 2. 1.	26 28 32	Cloudy, & a sharp freezing wind the whole day. Clear & bright moonlight evening & night.	Full moon 11.48 am.	
Th. 9.	30.13	NE 1. NE 1. NE 0.	26 31 34	Cloudy, little snow, & hard frost. Clearer after 10; slight falls of hail, & bright intervals. Clear & set, & evening.		
Fr. 10.	29.82	NE 1. E 1. E 0.	24 27 30	Cloudy, some snow, and continued frost, bright between the snow show- ers & nearly calm. Thick evening, snow at times.		
Sat. 11.	30.70	E 0. NE 1/2. NE 0.	21 24 28	Severe frost, little snow at times, but mostly bright, & a very sharp air, yet calm. Hazy evening, but very severe.		
Su. 12.	30.03	NW 0. W 0. W 0. S 4.	19 1/2 22 29	Very severe frost, and chiefly bright all the day, and continued severity most of the night. Great change after 12.		
Mon. 13.	-12	S 5. S 3. SW 2. & 1.	20 1/2 34 40	Foggy, snow & rain early & suddenly after, severe frost, thaw all day, and foggy P.M. The evening dark and foggy.	75	
Tu. 14.	-10	SE 2. SE 4. S 4.	32 38 40	Foggy & some rain in the morning. Blistering & cloudy P.M., rain at times. No frost during the night.	06	
419.43			169233	Mean Temp 28° 71	Rain over 0.63	

402 = 8° below corrected Average!

# January 1879.

Jan.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Character.	Notes.	Rain 0.63
W. 15.	29.70	SW 3. W 3.4. W 3.	38 40 43	Cloudy, breezy & little rain, early A.M. Clearer after 9 am. bright forenoon, clearing & stormy P.M. Evening clear- er, and a brisk wind. Some frost in the night.	moon last 2 <sup>nd</sup> early A.M. Clearer after 9 am. 11.2 am.	03
Th. 16.	30.01	NW 1. NW 1. E 1.	27 1/2 30 37	Frost, & partly clear, very bright from 9 A.M., all day, but a very keen frosty air. Evening clear above, fog below, & hard frost.		
Fr. 17.	-24	W 0. W 0. Var. 0. E 1.	29 1/2 33 36	Foggy & grey frost, gloomy cold and raw all day, but quite calm. Foggy & frosty evening, change in the night, & wind rose.		
Sat. 18.	-12	ESE 3. SE 2. SE 2.	32 1/2 36 36 1/2	Cloudy, & cold breeze, more overcast in the afternoon, some falls of sleet at in- tervals. Evening cloudy but fine & breezy.		
Su. 19.	-41	ENE 3. E 2. E 2.	32 33 34	Cloudy, keen wind and a little sleet at times, less wind P.M., but very cold & cloudy, the night similar to the day.		
Mon. 20.	-32	E 2. ESE 2. ESE 3. E 3.	29 1/2 30 32	Cloudy, keen wind, and some frost. More wind after 9, freezing all day, and continued cloudy, & freezing evening, & night.		
Tu. 21.	-03	E 3. E 2. E 3.	27 1/2 29 30 1/2	Cloudy, sharp wind, and freezing hard all day, with snow at times. The eve- ning and night the same.		
421.97			2165249	Mean Temp 33° 25.	Rain over 0.66	

465.5 = 3 1/2° below the corrected Average



# January 1879.

Jan'y.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Character.	Notes.	Rain 0.66
W. 22.	30.11 -09	E 1 NE 2 NE 2	25 25 33	Hard frost & bright in morn moon the morn'g, froze all the 11.51 AM. day, some clouds, and snow after 2pm. Sharp wind frost all night.		
Th. 23.	-05 -06	NE 5 NE 6 NE 8	26 29 32	Strong freezing blast clouds and sun. Froze all day, & continued piercing gale. Little snow 4pm. Cloudy night.		
Fr. 24.	-04 -11	NE 2 NE 3 NE 2	29 30 32	Cloudy, with less of frost, but froze all the day, although less in the morn'g than yes- terday. Even'g cloudy.	8 24	
Sat. 25.	-13 -15	NE 2 NE 1 NE 1	28 30 33	Little snow early AM cloudy & frost continued till noon, overcast and nearly calm pm, and some sleet in the even'g & night & very little frost.		
Su. 26.	-20 -32	N 1/2 NE 0 NE 0	30 33 35	Overcast & calm, but a slight frost early, then continued overcast, & little thaw all day. Even'g & night similar.		
M. 27.	-43 -46	NE 0 NE 0 E 1	33 35 34 1/2	Overcast, calm, & in- clined to fog, thick and gloomy state of skies, raw and cold air. Even'g near the same.		
Tu. 28.	-41 -39	NE 1 NE 1 NE 1	30 32 34 1/2	Some sleet early, cloudy with some frost. Con- tinued cloudy but slight ly thawing. Overcast even'g but fine.		
42295			201234	Mean Temp 31° 07. -	Rain cal' up 0.66	

435 — Nearly 6° below  
the corrected Average.

# January 1879.

Jan'y.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Character.	Notes.	Rain 0.66
W. 29.	30.31 -33	NE 1 ENE 2 ENE 2	28 1/2 32 34 1/2	Cloudy, frost, & little sleet in the morn'g; overcast all day, little sleet & snow at times. Very cloudy even'g but fine.		
Th. 30.	-33 -34	E 2 E 1 E 1	31 32 33	Cloudy, sleet at times, & little frost in the morn'g cloudy day, frequent gen- tle sleet, & slight thaw. More frost again to night.	moon 1 <sup>st</sup> 2 <sup>nd</sup> 11.45 AM.	
Fr. 31.	-32 -30	WNW 0 NW 1 N 1	28 30 32 1/2	Cloudy, frost, & a little sleet or small hail at times. Dark afternoon but fine, and the even'g overcast.		
18193			875 100	Mean these 3 days 31° 25.	Rain 0.66.	

Barometer  
Highest on the 27<sup>th</sup> — 30.46.  
Lowest on the 3<sup>rd</sup> — 29.49

Range — 0.97  
Mean of Month — 30.09  
Gales on 3 Days.

Prevailing currents NE,  
E, and W.

Thermometer  
Highest on the 1<sup>st</sup> — 45° —  
Lowest on the 12<sup>th</sup> — 19° 5.

Range — 25.5  
Mean daily range — 6° 17.  
Mean of Month — 31° 19  
6 Degrees below the corrected  
Average!

Fine days 16, snow 11, rain 4 days.  
Rainfall 0.66 Inch.

This was a very cold and frosty month altogether through-  
out, and at Bedford much more severe than in Suffolk  
and at Burton on Trent also. Therm 10° on the 6<sup>th</sup> day.  
At Bedford on 6<sup>th</sup> 19°, on 10<sup>th</sup> 20°; on 12<sup>th</sup> 16°; 13<sup>th</sup> 18°; and on 23<sup>rd</sup>  
at 18 1/2°. And more snow there than with us on the 1<sup>st</sup>, 18<sup>th</sup>,  
26<sup>th</sup> and 27<sup>th</sup>. The mean Temperature at Bedford was only 30°.  
We had nearly ten weeks frost from Nov 28-1878 to Feb 5. 1879



# February 1879.

Feb. 5.	Baro. meter	Wind.	Thermom. Min. 8 AM Max.	Character.	Notes.	Rain.
Sat. 1.	30.19	NE 2. E 2. E 3.	28 30 32	Cloudy & continued frost all the day, with a keen breeze, cloudy evening, and more wind. Frost all night.		
Su. 2.	29.89	SE 2. SE 1. SE 1.	27 34 37	Frost early, overcast fog & little thaw. Overcast & foggy all the afternoon, evening, and night.		
M. 3.	-75	NE 2. NE 2. NE 3.	34 35 36 1/2	Heavy fog all the mor- ning, and foggy all day with a little rain in the afternoon. More wind after 6 pm.	02	
Tu. 4.	-94	N 2. NNE 2. NE 2.	31 33 37 1/2	Frost & a very little snow in the morning. Cloudy day & but lit- tle sun. Wind changed in the night.		
W. 5.	-03	S 2. SSE 3. SSE 3.	30 32 35	Cloudy & frost AM. Very keen wind all day, and cloudy more or less. Squally and rain evening, a short time.	05	
Th. 6.	-67	S 2. SW 3. SW 2.	33 41 49	Cloudy, mild, and breezy with some sun, but a stormy sky. Even- ing clearer, and a brisk wind.	Great change. Snow drops out.	
Fr. 7.	-61	SW 3. SSW 4. WSW 3.	40 45 49 1/2	Mild with, brisk wind, became galy & raining from 11 am, at times. Clearer before sun set. Rain 10 pm.	Full moon 1.42 am.	06
417.70		2232765		Mean Temp 35.67.		Rain cal. up 0.13
		499.5		3 1/2° below the cor- rected Average.		

# February 1879.

Feb. 5.	Baro. meter	Wind.	Thermom. Min. 8 AM Max.	Character.	Notes.	Rain 0.13
Sat. 8.	29.55	SW 4. SW 3. SW 2.	41 42 50	Stormy rain early AM. Fine, mild & sunny fore- noon, and the afternoon also cheering sunshine. Stormy showers in the night.	0.40	13
Su. 9.	-48	SW 3. SW 2. SW 1.	44 50 54	Very showery till 5 am: very mild & pleasant day, & chiefly bright. Close evening, and night, and gentle rain at times.	(snow drops flowering.)	34
M. 10.	-20	SE 1. SSE 1. SSE 4.	46 1/2 48 50	Close morning, some rain early, and from 11 am, again very rainy and close, and the rain at times hard. Even the same.		20 68
Tu. 11.	-11	SW 2. SW 2. SW 1.	44 45 50	Rain abated slowly, and became fine after 4 am. but the day unsettled and showery, but be- came finer in the night.	(floods on valleys)	12 29
W. 12.	-65	NW 2. NW 2. NW 1.	33 37 44	Cloudy and colder. Chiefly fine with sun blooming and clouds most of the day, & a gentle wind. Some rain after 3 pm.	Aconites blossoming.	01
Th. 13.	-95	SE 1. S 2. S 4.	37 1/2 39 42	Overcast, thick, and moon last Dr. rather foggy till 10 am, 6.53 pm. then cloudy & more wind. blustering and cold. Evening & night rainy.		27
Fr. 14.	-67	SE 1. SE 2. SE 2.	36 42 43	Rainy early in the morning, finer after 8 am, but very thick and some fog, with a raw & damp air. Light rain in the evening.		10
415.29		282333		Mean Temp 43.92.		Rain cal. over 2.27
		615		Nearly 5° above Average.		



# February 1879.

Feb. 7	Baro meter	Wind	Thermom Min 8 Max	Character	Notes	Rain. 2.27
Sat. 15.	29.75	E 3.	35	Overcast with a cold breeze, and nearly the same all day. The evening similar, but rather less wind.		
		E 3.	36			
	-65	E 2.	37			
Su. 16.	-22	E 1.	34 1/2	Overcast & rainy early AM, and till noon, then snow and rain together, but chiefly snow. Finer night.	(G. Rain AM. Snow PM. '12	68
	-21	NE 2.	39			
		N 2.	39			
M. 17.	-17	W 1.	31	Fog, & frost AM, clearer before noon, cold and unsettled, with clouds, and sun in the after-noon. Calmer evening.		
	-72	WNW 2.	34			
		WNW 4.	40			
		W 1.				
Tu. 18.	-21	W 2.	33	Overcast, damp & raw, all the morn'g, clearer just before noon, and clouds & sun PM.		
	-45	W 1.	35	A little snow at 4 pm.		
		NW 2.	39 1/2			
		NW 1.				
W. 19.	-50	Var. 1.	31	Little snow & slight frost in the morn'g. Fine day, with clouds and sun. Evening partly clear starlight.		
	-54	S 1.	34			
		SW 2.	41 1/2			
		W 1.				
Th. 20.	-22	SW 1.	32	Heavy snow at 4 AM, finer after 7, but overcast, & thick till near noon afterwards bright with loose cumuli clouds. Fine night.	8 1/4	
	-24	SW 2.	35			
		W 2.	41			
		8. 1.				
Fr. 21.	-26	N 1.	32	Cloudy, raw, cold, & new moon unpleasant all the day, nearly alike. 3 H O		
	-42	N 2.	34			
		N 1.	36 1/2	Sleet in the evening.		
410.96		228.52745		Mean Temp 35.92. - Rain can't over 3.07		
		503		3° below corrected Average.		

# February 1879.

Feb. 7	Baro meter	Wind	Thermom Min 8 Max	Character	Notes	Rain. 3.07
Sat. 22.	29.52	NE 1.	29 1/2	Cloudy, & frost AM. Some snow at times during the day from 8 AM. Finer after 3 pm, but cloudy. Some frost in the night.	(Little Snow)	
		NE 2.	32			
	-61	E 2.	34			
Su. 23.	-63	W 1.	28 1/2	Cloudy with frost in the morn'g, & nearly calm. Clearer from 10 am, and a bright afternoon, but a frosty air. Very hazy towards evening, some snow.	(Little Snow)	
	-67	W 1.	32			
		NE 0.	37			
M. 24.	-84	NE 0.	24	Clear, sharp frost in the morn'g, bright with cumuli clouds most of the day, sun set nearly clear, wind to East after 4 pm. Frosty night.		
	30.03	SE 1.	27			
		SE 2.	37			
		E 1.				
Tu. 25.	-04	N 3.	30	Frost & some sleet early AM. Cold squally day, and much snow in the after-noon. Very unsettled & stormy sky all night.	(much Snow PM.)	
	29.99	N 2.	32			
		N 3.	37			
		3 4.				
W. 26.	30.01	N 2.	31	Cloudy, and a very cold wind all the day. A few snow flakes at times. Less wind in the evening and fine but cloudy.		
	.09	NNE 3.	33			
		NNE 2.	3 1/4			
		8 1.				
Th. 27.	-02	NW 1.	29	Little frost, & a hazy morn'g, partly bright in the forenoon, but thick and gloomy in the afternoon. Evening foggy, and the night also.		
	29.92	W 1.	33			
		SE 1.	40			
		SE 1.				
Fr. 28.	-81	SSE 1.	36	Great fog till 10 am, then hazy and mild, and nearly calm. Evening and night the same, and white veered to W & N.W.		
	-83	S 1.	39			
		S 1.	48			
418.01		208.2675		Mean Temp 33.96. - Rain total. 3.07		
		475.5		5° below corrected Average.		



Results for February 1879.

Barometer.	Thermometer.
Highest on the 1 <sup>st</sup> 30.19	Highest on the 9 <sup>th</sup> 54°
Lowest on 10 <sup>th</sup> 29.03	Lowest on 24 <sup>th</sup> 24°
Range 1.16	Range 30°
Mean of Month 29.67	Mean daily range 7.5
	Mean of Month 37.36
Gales on 2 Days.	1.64 Degs below Average.
Prevailing winds SW, SE, and NE.	14 days fine, 10 rain, snow 4. Rainfall 3.07 inches.

The second week was mild with much rain, but all the rest of the month was cold and frosty with snow at times, and often very damp and raw, unfavourable for labour, health, and vegetation also. Yet some of the early flowers appeared, although behind their usual time. Pulmonary, and Rheumatic affections became prevalent, as might reasonably be expected after so protracted a period of cold weather. Among the very aged the mortality was great, and in all ages of life there was considerable sickness, Scarlatina, and a kind of Eruptive Influenza appearing like Measles.

March 1879.

March.	Baro- meter	Wind	Thermom.		Character	Notes	Rain
			Min.	Max.			
Sat. 1.	30.01 -22	NW <sub>1</sub> NW <sub>1</sub> NW <sub>0</sub>	3½ 40 46		Showery at 4 & 5 AM. moon 1 <sup>st</sup> Dr Hazy & cloudy forenoon, but the afternoon mostly bright, with light clouds. Clear moonlight Even'g.	7.58 a.m.	27
Su. 2.	-23 -10	W <sub>0</sub> SW <sub>1</sub> SW <sub>2</sub> SW <sub>1</sub>	30 34 47½		Clear & frosty morn'g, and a very bright day through- out, with a drying breeze in the afternoon. Sun set red, and a bright, moonlight even'g.		
M. 3.	29.97 -25	SW <sub>2</sub> SW <sub>3</sub> W <sub>2</sub> S.O.	32 35 44		Chiefly clear at first, but S & N soon hazy; showery from noon to near 3 pm, then finer & clearer. Sun set red & clear. Frosty night		13
Tu. 4.	30.13 -11	SW <sub>1</sub> SW <sub>4</sub> SW <sub>2</sub>	29 35 48		Frost in the morn'g. More wind, clouds & blue haze after 10 am, rather blustering in the afternoon, but bright & mild.	S & S.O.	
W. 5.	-11 -02	SW <sub>2</sub> SW <sub>3</sub> SW <sub>2</sub>	42½ 47 55		Mild & cloudy morn'g. Very mild afternoon, with brisk wind, clouds and sun. Even'g chiefly cloudy, mild & fine.		
Th. 6.	-21 -37	W <sub>6</sub> W <sub>3</sub> W <sub>2</sub> S.O.	3½ 40 52		Hasty storm & hail 1 AM. Clear morning, and con- tinued very bright all day, & a pleasant after- noon. Sun set orange tinted.		02
Fr. 7.	-50 -67	SW <sub>1</sub> SW <sub>2</sub> W <sub>1</sub> S.O.	33 39 54		Clear, very fine morn'g, and a bright, mild, and pleasant spring day. Sun set yellow in light streaks of cloud.		
42 3.60			24 15 34 65	Mean Temp 42°		Rain cal'd over	0.42
588 = Just the Average.							



# March 1879.

March	Barometer	Wind	Thermometer	Character	Notes	Rain
			Min. 8 Max.			0.42
Sat. 8.	30.66	SW <sub>1</sub> SSE <sub>2</sub> S 280	29 34 53	Frost and fog early, but became very bright all day, warm and pleasant. Sun set in full splendour.	Full moon 1.9 pm.	
Su. 9.	45 44	SE <sub>0</sub> WSW <sub>2</sub> SW <sub>1</sub>	31 37 59	Clear, frost AM, very bright all day, and a warm afternoon. Sun set amber coloured, very fine night.		
M. 10.	44 32	SW <sub>1</sub> SW <sub>2</sub> SW <sub>3</sub>	35 43 54	Cloudy more or less but fine, with little gleams of sun, and blustering wind PM. Cloudy evening. Squally wind.		
Tu. 11.	29 42	NW <sub>2</sub> NW <sub>2</sub> N <sub>1</sub>	41 43 47	Squally shower 3 AM, then finer & chiefly bright with loose cumuli clouds, and a cooler breeze. Evening in part cloudy.		06
W. 12.	41 29.89	SW <sub>4</sub> SW <sub>6</sub> W <sub>5</sub> 4.3.	37 43 54	Cloudy & gusty wind, continued very boisterous, and mostly cloudy, but clearer after 3 pm. Stormy sky all evening.		
Th. 13.	30.33	NW <sub>3</sub> NW <sub>4</sub> N <sub>0</sub> 6.2.	29 33 42	Keen frosty air in the morn'g little sleet early, then bright with a very cold wind all the day. Sun set clear and red, and a cold evening.		
Fr. 14.	25 42.474	W <sub>1</sub> SW <sub>1</sub> SW <sub>1</sub> SE <sub>1</sub>	31 33 38	Some snow early AM and light falls of it in the forenoon, and the afternoon nearly the same wind to SE.	Snow.	
Mean Temp 41° 57.						Rain card up 0.48
582 = 1/2 a Degree below the Average.						

# March 1879.

March	Barometer	Wind	Thermometer	Character	Notes	Rain
			Min. 8 Max.			0.48
Sat. 15.	29.88 72	S <sub>1</sub> SW <sub>3</sub> SW <sub>4</sub> 2.1.	33 41 49	Overcast, damp & mild morn'g, clearer after 10, some sun; chiefly bright in the afternoon, but blustering & evening less wind.	moon last 2.41 am.	
Su. 16.	72 92	SW <sub>2</sub> SW <sub>2</sub> W <sub>1</sub>	39 46 53	Clouds & sun, mild morn'g. little showers in the forenoon, finer PM, and sun at times. Cloudy evening, & very little wind.		03
M. 17.	30.22 79	NE <sub>2</sub> E <sub>2</sub> ESE <sub>2</sub>	35 38 43	Cloudy, and a cold wind, nearly the same all the day. Cloudy evening, and night, but fine.		
Tu. 18.	73 29.89	SE <sub>2</sub> SE <sub>3</sub> SE <sub>2</sub>	37 41 56	Cloudy till 10, then chiefly bright and mild, with some light clouds, but more cloudy & hazy after 3 pm, and close evening. Rain 9 pm.		08
W. 19.	85 89	SE <sub>1</sub> SE <sub>2</sub> SE <sub>1</sub>	41 46 59	Bright & mild morn'g. and very warm, bright, & lovely day, very few clouds, & gentle wind. Red lines of cloud at 3 set in West.	(yellow butterfly seen.)	
Th. 20.	91 90	NE <sub>2</sub> NE <sub>2</sub> NE <sub>2</sub>	38 43 52	Hazy, with grey clouds, and some sun, but a cooler wind than yesterday. Cloudy evening and a cold breeze.		
Fr. 21.	95 93	NE <sub>1</sub> NE <sub>2</sub> NE <sub>2</sub>	38 41 42	Cloudy more or less all day, and very cold but gentle wind. The evening similar to the day.		
419.00						Mean Temp 43° 96. Rain card over 0.59
615.5 = Nearly 2° above the Average.						



# March 1879.

March	Baro meter	Wind.	Thermom Min. 8 Max.	Character	Notes.	Rain 0.59
Sat. 22.	29.87	NE 4.	34 1/2	Cloudy & keen blue new moon tering wind, very cold 9. 4 pm, & ungenial throughout the day alike, and the night also.		
		NE 3.	35			
	-89	NE 3.	36 1/2			
Su. 23.	-94	NE 4.	32	Cloudy, freezing blast. little snow in the morning. Very rough & cold wind all day, but the after- noon partly bright.		
	30.00	ENE 5.	33			
		ENE 8.	40			
M. 24.	-01	ENE 4.	28	Sharp freezing wind & cloudy more or less all the day, very piercing throughout. Less wind in the night.		
		ENE 5.	30			
	-02	ENE 3.	34			
Tu. 25.	29.95	NE 3.	29 1/2	Cloudy & freezing in the morning, few flakes of snow; continued cloudy all day, and very cold. Snowy evening.	snow	⊕
	-87	NE 2.	31			
		ENE 3.	34			
W. 26.	-81	ENE 2.	30	Less frost, cloudy, and gentle snow at in- tervals, and more in the afternoon. Fog in the night.	h ☉	
	-76	ENE 2.	34		snow.	⊕
		E 2.	37			
Th. 27.	-71	E 1.	31	Overcast & thick, a little fog in the morning, but not after; contin- ed cloudy & cold the whole day.		
		E 2.	36			
	-72	E 2.	38			
Fr. 28.	-72	N 2.	32	Cloudy morning, but clearer after 10 am, and the afternoon chiefly bright; wind changing much.		
		NNW 2.	37			
		NW 1.	44			
	-85	SW 1.				
418.12			217.2633	Mean Temp 34° 32.	Rain said up	0.59
480.5 — near 74° under Average.						

# March 1879.

March	Baro. meter	Wind.	Thermom. Min. 8 Max.	Character	Notes	Rain 0.59
Sat. 29.	29.73	S 3.	33	Cloudy more or less, & a little rain at 7 AM.		
		SW 2.	44	Fine sunny & warm from 10 till near 2 pm. Hail and thunder soon after. Even- ing bright & calm.	(Thunder)	.04
	-81	SW 1.	56 1/2			
Su. 30.	-88	S 2.	34	Fog at 7 am, cloudy with sun in the mid. hours. then blustering, & more clouded and storms of rain after 3 till 4. Even- ing bright.		.21
	-80	S 4.	43			
		SW 2.	53			
		SW 1.				
M. 31.	-74	S 2.	41	Cloudy with some sun, a stormy sky. Rain & hail in flying showers, with bright intervals. Evening fine but hazy.	moon 1 <sup>st</sup> 2 <sup>nd</sup> 1.5 am. (Thunder)	.16
	-73	S 2.	44			
		SSW 3.	53			
		SW 1.				
	178.69		108.1625	Mean Temp 3 days 45°	Rain	1.00

## Barometer

Highest on the 7<sup>th</sup> 30.67  
Lowest on 27<sup>th</sup> 29.71

Range 0.96

Mean of Month 30.06

Gales on 3 days.

Prevailing winds SW & NE.

## Thermometer

Highest on 9<sup>th</sup> & 19<sup>th</sup> 59°

Lowest on 24<sup>th</sup> AM. 28°

Range 31°

Mean daily range 12.74

Mean of Month 40.91.

Rather more than one  
degree below Average.

Fine days 21 in number,  
Rainfall 1 Inch.

This was a fine and favourable month for seeding,  
very little rain, and a medium Temperature except  
the fourth week when the keen N E wind prevailed,  
but vegetation made fair progress on the whole.



# APRIL 1879.

April.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain.
Tu. 1.	29.78	S 1. SSW 1. SSW 1. SW 1.	41 48 54	Clouds & sun, chiefly bright in the middle of the day but afterwards cloudy, and the evening overcast, & rain from 7 till 9 pm.		.22
W. 2.	74	SW 1. SW 2. SW 1.	41 46 55	Bright with light clouds, pleasant and cheering day. Sun set red, and clear except haze; and fog in the night.	yellow active.	
Th. 3.	69	Var 0. NE 1. NE 2. S 1.	35 39 49	Great fog till after 9, then cloudy with but little sun. Clearer after 4 pm, sun set red in a grey haze.		
Fr. 4.	84	W 1. W 2. WSW 2. 1 & 0.	33 45 54	Clear & slight hoar-frost early. Bright forenoon rather hazy afternoon but much warmer, and partly bright. Sun set in fiery colours.		
Sat. 5.	94	SSW 1. SE 2. SE 2. S 1.	35 47 51	Fog till 7, then clearer but much grey cloud, nearly alike all day, but fine. Evening fine & less cloudy. Rain 9 pm.		.05
Su. 6.	68	S 2. S 5. S 5. 4 & 2.	42 48 53	Clouds & sun, with a blustering wind, & some rain before 3 pm. and the evening windy, & rain at times.	Full moon 10. 24 pm.	.06
Mon. 7.	21	S 3. S 3.2 S 2.	45 50 58	Showery morn'g, fine afternoon, warm, and partly bright, pleasant and growing weather, & rainy clouds at 8 set.	rain in the night.	.24
415.60			2725 3745	Mean Temp 46.21.	Rain 0.57	
			647	1.3° Below the corrected Average.)		

# APRIL 1879.

April.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain 0.57
Tu. 8.	29.35	SE 1. SE 1. SE 1.	44 52 57	Rain last evening 8 to 10 pm clouds & sun this morn'g. and rather close. Fine, and pleasant day, dark clouds and little sun. Hazy and close evening.		.20
W. 9.	58	NE 1. NE 1. NE 1.	44 46 46	Cloudy, & little wet early continued thick, and damp, very cloudy, raw, and cold all day. Foggy from 4 pm, and little rain during night.	(Wynneck piping)	.03
Th. 10.	81	E 2. E 3. NE 3. S 2.	41 42 42	Overcast, light rain at times, and more wind. Near the same all day cold, moist & ungenial. Finer after 3 pm. Sharper wind at night.		.07 .03
Fr. 11.	14	NE 3. NE 2. N 2.	31 1/2 35 42	Freezing wind in the morn'g, very cold squally day, clouds and sun, with a little snow at times, & fast in the p.m. Fine & cold night.	(Snow)	0
Sat. 12.	02	WNW 1. WNW 2. SE 1.	28 36 40	Frost early, showers of snow at times during the day, and much heavier after 3 pm, and continued heavy at times all evening & night.	(Great Snow)	0
Su. 13.	76	SE 2. SE 2. ESE 1. E 1.	29 37 44	Great snow till 9 am, then bright till after 2 pm, afterwards some clouds but much milder, & the snow much wasted. Fine evening, but cold.	moon last 2. 9 pm.	0
Mon. 14.	72	NE 1. NE 2. NE 1.	32 1/2 39 45	Cloudy morn'g, little rain very early, clearer after 9 AM, little sun, but much cloud. Evening calm & cirrostrati clouds.		.06
417.77			250 316	Mean Temp 40.42	Rain 0.96	
			566	7 1/2° below the corrected Average.)		



# APRIL 1879.

April.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain. 0.96.
Tu. 15.	29.64	E 1 ESE 1 S 1 SW 3	36 1/2 45 55	Cloudy, little fog, but soon clearer, and bright at times, with rocky clouds, and warmer. Evening partially cloudy.	(Distant Thunder NW. pm.)	
W. 16.	-62	NE 2 Var 1 NW 2	38 40	Rainy during past night, and all this morning early, and continued more or less most of the day. From 4 pm fine and clearer, and a fine night.	42 1/2	55
Th. 17.	-70	W 2 W 3 W 2 NW 1	35 42 47 1/2	Cloudy in part, clearer after 10 am, bright with flying clouds till noon. Afternoon hazy but some sun. Fine evening.		
Fr. 18.	-91	NW 2 NW 2 NW 1	36 41 46	Cloudy lowering morning, cold and raw; clearer after 10, but again cloudy with rain & hail at times. Hazy after 2 pm, & the evening also.		05
Sat. 19.	-03	NE 1 SE 1 S 2 S 1	30 1/2 43 53	Clear, frost early, bright with cumuli clouds, and much warmer from 11 am, all day, and a bright evening. Cloudy night.		
Su. 20.	-61	SE 2 SE 1 Var 1/2	36 47 48	Hazy streaked sky, cloudy morning, and rainy afternoon till 4 pm, afterwards fine but foggy and the night cloudy.		19
M. 21.	-59	NE 2 NE 3 N 2	37 41 44	Cold and cloudy the new moon entire day alike, very 1.56 pm. ungenial. Clearer after 4 pm, and some sun. Evening fine, but cold.		
41634				249336	Mean Temp 41° 78. -	Rain can up 1.75
				585	64° below the corrected Average.	

# APRIL 1879.

April	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain 1.75
Tu. 22.	29.68	NW 1 Var 0 W 1 W 1	35 1/2 44 52	Clouds & sun, calm & fine morning, and the day fine and partly bright. Some clouds and haze in the evening, but fine & mild.		
W. 23.	-64	SE 2 ESE 2 SE 1	41 49 57	Hazy, close, & mild morning. Fine with clouds and sun in the day, and pleasant afternoon. Cloudy and thick evening. Rain during night.		
Th. 24.	-82	NE 1 NE 2 N 1	41 43 50	Cloudy & some rain early, fine from 8 am, clouds, & a little sun. Brighter in the afternoon, but cool. The evening cloudy.		20
Fr. 25.	-78	SE 1 SE 2 SSE 3 S 1	33 51 58	Clear & frosty early AM, then bright with thin haze, & much warmer, yet a brisk & cool wind PM. Close evening with light rain part of the night.	(Cuckoo heard. Butterflies again seen.)	21
Sat. 26.	29.80	WSW 2 WSW 1 W 1 SW 2	43 54 61 1/2	Clouds & sun; warm, and growing morning, and a pleasant, warm, and bright day, with electric cumuli. Close & cloudy evening.	(Lightning at night.)	
Su. 27.	-77	Var 0 E 1 E 1	40 53 62	Fog till 8 AM, then bright all day, with electric cumuli, warm & pleasant. Evening very bright, but a cloudiness followed.		
M. 28.	30.01	NE 2 NE 3 NE 3	39 50 50	Clouds & sun, but for the most part cloudy, and a cold breeze all the day. Evening bright but a cold wind.	Cuckoo repeats his note. An erect beam of light at 8.30, over the sun.	
41820				27253905	Mean Temp 47° 35. -	Rain can over 2.16
				663	Nearly 3/4 of a degree below the corrected Average.	



# APRIL 1879.

April	Baro meter	Wind	Thermom. Min. 9. Max.	Character	Notes.	Rain. 2.16
Tu. 29	30.34	N 2.	35	Clouds & sun with a very chilling air, parching and harsh weather.	moon 1 <sup>st</sup> 2. 2.16 pm.	
		N 2.	48	The evening bright, & nearly calm, but cold.		
	-37	N 1.	52			
W. 30.	-32	N 1.	38	Clouds and sun, fine drying morn'g, cold		
		N 1.	47	day, some sun, but much cloud. Wind veered to S E after 9 set.		
	-29	Var. 1. S E 1.	51			
12132			73 103	Mean Therm 2 days 44°	Rain 2.16	

## Barometer.

Highest on the 29<sup>th</sup> 30.37

Lowest on the 7<sup>th</sup> 29.21

Range = 1.16

Mean of Month 29.81

1 Gale on the 6<sup>th</sup> day.

Prevailing Winds the  
N.E. and S.E.

## Thermometer.

Highest on the 27<sup>th</sup> 62°—

Lowest on 12<sup>th</sup> am 28°—

Range = 34°—

Mean daily range 13°7—

Mean of the month 43°95

4° below the corrected Average.

Fine days 14 in number.

Rain-fall 2.16 Inches.

This was the coldest April for the last 41 Years,  
and vegetation the most behind ever known in  
that period of Years. The landscape sterile, and  
cheerless in the extreme, beyond anything remem-  
bered since those severe Springs of 1837, and 1838.  
In fact the first eight days were the only interval  
of growing weather in this month of 1879.

# MAY 1879.

May	Baro meter	Wind	Thermom. Min. 9. Max.	Character.	Notes.	Rain
Th. 1.	30.22	NE 1.	29 <sup>1</sup> / <sub>2</sub>	Keen frost early, bright with cumuli clouds, and some rugged clouds with hail at a distance.		
	-24	NE 2.	49	51 <sup>1</sup> / <sub>2</sub>	& a little here. Breezy night.	
Fr. 2.	-36	NE 2.	34	Bright with many clouds & a cold breeze. Brighter in the afternoon & very parch- ing, but cold. Even'g quite clear, & sun set very bright.		
	-48	NE 2.	48 <sup>1</sup> / <sub>2</sub>	53		
Sat. 3.	-48	NE 1.	33	Clear morn'g, continued bright with a bleak air, and some cumuli clouds. Very fine and parching. The even'g quite clear, & sunset in full lustre.		
	-52	NE 1.	49	54		
Su. 4.	-59	NE 1.	31	Hoar-frost early, cloudy from 6 am, but became bright after 10, and continued so all day, warm in the sun, but not so elsewhere. Evening quite clear, & sunset also.		
	-58	E 1. ENE 2.	48	56 <sup>1</sup> / <sub>2</sub>		
M. 5.	-58	NE 1.	34	Bright and parching day and very much warmer after 9 AM, all day, the wind nearly calm, and very pleasant day, and bright evening. Sun set in clouds.		
	-43	Var. 1. SE 1.	55	65		
Tu. 6.	-15	W 5.	42	Squally shower at 6 AM, Full moon 13 afterwards finer with clouds and sun, but a cold breeze. and a few flying showers in the afternoon with squalls of wind.	6.12 AM.	
	-13	NW 3. NW 4. N 2.	47	48 <sup>1</sup> / <sub>2</sub>		
W. 7.	-11	N 2.	34	Clouds & little sun, cold squalls of sleet & hail at times. A very ungeni- al day throughout.		
	-14	N 3.4 N 4. 3 & 2.	44	47 <sup>1</sup> / <sub>2</sub>	Night finer, and little frosty.	
425.01			2375 376	Mean Temp 43°82!	Rain cal over 0.13	
			613.5	= 11 <sup>1</sup> / <sub>4</sub> below Average.		



MAY 1879.

[illegible]

MAY 1879.

May.	Baro. inches	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain. 0.40
Th. 15.	29.92	W 6. 40 W 4.5. WNW 4. 42 NW 2. 47		Squalls of wind with rain at times early AM, and very windy and wet in the day throughout. Evening finer, and rather more settled.	(blowing and wet.	.68
Fr. 16.	30.16	NE 2. 42 NE 1. 48 E 1. 54		Cloudy, & little sun, some rocky and electric clouds but became bright in the evening from 5 pm, and nearly calm.		
Sat. 17.	-17	SE 1. 40 SE 2. 53 SE 2. 61		Fog early, cleared slowly off by 11 am. Bright and pleasant afternoon, and the evening bright, and breezy. Hazy night.		
Su. 18.	29.79	SE 2. 43½ SE 2. 51 SE 1. 54½ E 1.		Cloudy, little rain 6 am. Mostly cloudy through the day, little wet, & gleams of sun. Finer & clearer evening, and night.		.04
Mon. 19.	-89	NE 1. 42 NE 1. 57 E 1. 63		Bright with some clouds, warm and pleasant day, and the afternoon mostly bright, and fine evening, and night.		
Tu. 20.	-11	S 1. 40 SE 1. 59½ SE 2. 70 SE ½. 75		Bright with a little haze. Soon became very bright with some small clouds, very warm & lovely day, very hazy & close evening, and night.	(Birds more musical.	
W. 21.	-22	SSE 1. 50 SSW 2. 64 S 2. 71 S 1. 85		Hazy but bright with new moon. Some cumuli clouds. 5.50 am. Very fine, hot and growing weather. Hazy evening, but clearer night.	(Mercury comes on.	
420.67		297.54205		Mean Temp 51° 28.		Rain 1.12
		718		= 2¾° below corrected		
				Average nearly.		



# MAY 1879.

May.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain. 1.12.
Th. 22.	30.23 -21	W <sub>1</sub> SW <sub>2</sub> SW <sub>1</sub>	48 66 68	Bright & lovely morn'g, very warm & bright till near noon, then clouds at times, and a close & cloudy evening.		
Fr. 23.	-73 -22	W <sub>4.5</sub> NW <sub>3</sub> NW <sub>4</sub> N <sub>1</sub>	44 47 47 1/2	Stormy rain early AM. from 2 till 6. Finer from 7 till 10, then blustering & showery most of the day. Evening fine from 5 pm, & a fine night.	47 25	
Sat. 24.	-30 -74	SW <sub>1</sub> SW <sub>1</sub> SSE <sub>2</sub> S <sub>1</sub>	44 57 66 1/2	Bright and pleasant morn'g, and a warm, and bright day. Evening more electric, & rather hoazy, and close all night.		
Su. 25.	29.94 -97	S <sub>2</sub> Var. NW <sub>1</sub> Var. 1/2	48 52 56	Fine till 7 AM, then close & little wet at times till near noon. Fine & clearer afternoon, & some sun. Clear sunset, & nearly calm.	16	
M. 26.	-93 -82	W <sub>2</sub> SW <sub>2</sub> SW <sub>1</sub> S <sub>1</sub>	40 58 60	Bright morn'g, with electric rocky clouds. More cloudy in the pm, with a watery looking sky. Close night.		
Tu. 27.	-80 -75	SE <sub>1</sub> SE <sub>1</sub> SE <sub>1</sub> E <sub>2</sub>	48 54 63 1/2	Close & cloudy morn'g, but became clearer after 9 am, & partly bright, but much cloud till afternoon, then bright & the evening also.		
W. 28.	-77 -82	NE <sub>1</sub> NE <sub>2</sub> ENE <sub>4</sub>	43 1/2 52 57	Cloudy, more or less moon 1 <sup>st</sup> 2. but fine, and more sun after 3 pm, and during the evening. (lightning thunder at midnight. 12 pm.)		
420.03      31554185      Mean Temp 52.39.      Rain 2.00						
733.5 — 1 1/2 below Average.						

# MAY 1879.

May.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain 2.00
Th. 29.	29.70 -85	SE <sub>1</sub> SW <sub>2</sub> SW <sub>1</sub>	45 52 62	Lightning & thunder at 1 AM, with showers. Fine with warm sun, & electric clouds. Fine evening & very pleasant, and fine night.	Thunder showers 1 am	25
Fr. 30.	-95 -73	SSW <sub>2</sub> SW <sub>1</sub> S <sub>2</sub> SE <sub>1</sub>	45 59 63 1/2	Bright with cumuli clouds, warm & pleasant, grow- ing day as before. — Evening also fine and bright, and settled night.		
Sat. 31.	-83 -77	S <sub>1</sub> SSE <sub>2</sub> SSE <sub>2</sub>	44 61 64	Bright and lovely mor- ning. Electric rocky clouds during the day, & warm sun at times. Showery be- tween 3 & 4 pm. Fine night and breezy.		11
179.03      1341895      Mean Temp 3 days 53.9.      Rain 2.36						

Barometer  
Highest on the 4<sup>th</sup> — 30.59  
Lowest on the 29<sup>th</sup> — 29.70  
Range — 0.89  
Mean of Month — 30.09  
Gales on 3 Days.

Thermometer  
Highest on the 21<sup>st</sup> — 71° —  
Lowest on 1<sup>st</sup> AM — 29° 5  
Range — 41° 5  
Mean daily range — 17° 64  
Mean of Month — 49° 00  
5 1/2 below Average.

Prevailing winds the  
NE. SW. and SE.

Fine days 23 in number.  
Rainfall 2.36 Inches.

This month up to the 18<sup>th</sup> was mostly cold and unge-  
nial, but afterwards more seasonable, so that vegeta-  
tion made considerable progress in that period,  
although late. Perhaps it may be fairly stated that  
it was the latest Spring since 1837.  
Great rains and thunder on 28<sup>th</sup> night in and around  
London, with serious floods, and buildings burnt  
by lightning at Broxted, Essex, and Kersey, Suffolk.



June 1879.

June.	Baro. meta	Wind.	Thermom. Min. 9 Max. am	Character.	Notes.	Rain.
Su. 1. 29 <sup>72</sup> Whitsunday -70	SW <sup>3</sup> . SW <sup>4</sup> . SW <sup>3</sup> . 2. 1.	49 56 63		Breezy morn'g, flying clouds. Squally day, and thunder storms passing southwards. Some rain here also, at times hard in the even'g till after 10.		47
M. 2. -81 -80	SW <sup>1</sup> . SW <sup>1</sup> . SW <sup>1</sup> .	46 57 59		Bright & pleasant morn'g, hazy & cloudy after 9 am, and continued till fol- lowed by rain from 3 pm, and at times till 12.		26
Tu. 3. -60 -83	SW <sup>1</sup> . NW <sup>2</sup> . N <sup>2</sup> . 4 1.	50 <sup>1</sup> 55 58		Thick & raining from 4 am, at times till 7 am, then finer, much cloud, & little sun. Bright evening till 7; thunder NW, then rain from 8 to 10 pm.	Thunder	13 20
W. 4. -92 30.03	N <sup>2</sup> . W <sup>2.3</sup> . W <sup>4</sup> . W <sup>2</sup> .	42 57 <sup>1</sup> 61 <sup>1</sup> 61 <sup>1</sup>		Bright with flying clouds, and a very blue- tering wind, and dry- ing, but rather cool. Even'g bright, & less wind.	Full moon 1.36 pm	
Th. 5. -03 29.92	SSE <sup>2</sup> . SSE <sup>2</sup> . SSE <sup>2</sup> .	42 64 68		Bright & warm morn'g, and nearly the same all day, but some clouds & haze at times. Varia- ble night, and rain after 11 pm.		
Fr. 6. -84 -84	Var. <sup>1</sup> . E <sup>1</sup> . ESE <sup>2</sup> . SE <sup>1</sup> .	50 53 61		Rainy morn'g from 3 till 9 AM, afterwards continued cloudy, & little rain at times, but fine with sun at 4 & 5 pm. Close and foggy most of the night.		48
Sat. 7. -89 -76	S <sup>1</sup> . S <sup>2</sup> . S <sup>2</sup> .	52 58 66		Close and foggy morn'g, slowly clearing off but cloudy with sun, & thunder in P.M. Close afternoon and some rain after 6 & till about 10 pm.		77
41769		33 15 43 65		Mean Temp 54° 85.	Rain cal up	171
768 = 5° below Average.						

June 1879.

June	Barometer	Wind	Therm.	Character	Notes	Rain
	inches		Min. 9. Max.			
Su. 8.	29.74	SW 2.	53		Bright morn'g, clouds flying, very warm till noon, afterwards cooler and rather squally. Thunder at a distance. - night chief-ly fine. (Thunder)	
	-78	S 1.		64		
		SSE 3.		67 1/2		
		S 2.				
M. 9.	-88	S 2.	52		Clouds & sun, stormy sky, but warm & partly bright till noon. Squally showers PM, & bright intervals. Even'g serene & clear.	.03
	30.02	S 3.		64		
		SSW 2.		66		
Tu. 10.	-13	SSW 1.	49		Clear & dewy morn'g, bright with cumuli clouds in the day; warm and pleasant, but distant showers westward - PM, & little thunder.	
	-16	SSW 2.		63 1/2		
		S 1.		69		
W. 11.	-18	SSE 1.	46		Bright morn'g, with a moon last streaky haze, more hazy after 10, cloudy pm, & a little rain. Close even'g, and showery till 9 pm. Night - fine.	.12
	-08	SE 2.		64		
		SE 2.		65		
		& 1.				
Th. 12.	-10	SSW 2.	49		Bright morn'g, thin clouds & sun, and some thunder-showers after 2 pm. Finer even'g, and partly bright, & very fine night. (Thunder PM.)	.06
	-10	SSW 2.		63		
		SW 1.		67		
Fr. 13.	-13	W 1/2.	46		Bright with rocky clouds, warm, pleasant & growing day, sharp thunder storms westward, 1 to 3 pm. Very bright, warm, & calm evening. - fog at night. (lightning & thunder.)	.10
	-29	W 0.		64		
		Var 1.		66		
		NE 0.				
Sat. 14.	-25	SE 1.	51		Fog early AM, slowly cleared off during the forenoon, bright & pleasant afternoon, with a light breeze. Even'g bright, but a close night.	
	-20	SSE 2.		57		
		SSE 2.		67		
		& 1.				
42104			3464675	Mean Temp 58° 107.	Rain card over	2.02
			8135	About 2° below Average.		



# June 1879.

June	Baro. inches	Wind	Thermom. Min. 9. Max.	Character.	Notes.	Rain 2.02
Su. 15.	30.05	S 1.	56		Close morn'g. and after 9 am, rain at times till 3 pm, then finer, & the evening partly bright. Close night & some fog.	25
	29.90	S 2.	62			
		S 2.	64			
M. 16.	-80	NE 1.	55		Fog all the morn'g, cloudy & close forenoon, rain at noon, then finer, & at times bright, with light haze. Fine night.	04
	-65	SE 1.	61			
		SE 2.	66			
		SW 1.				
Tu. 17.	-69	SW 2.	52		Bright with cumuli clouds till noon, after- wards showery with sun at times. Cloudy night, but fine.	15
	-70	SW 2.	62			
		SW 1.	65			
W. 18.	-80	W 3.	53		Breezy morn'g, & low clouds, continued cloudy with slight wetting at times, & cool breezes. Clearer from 3 1/2 pm, & partly bright.	
	-92	W 3.	61			
		NW 3.	63			
		W 1.				
We. 19.	30.02	SW 1.	48		Bright and warm new moon morn'g. Some clouds, & 8.20 pm. haze after 11 AM, but warm & partly bright. Close and cloudy night.	
	29.99	SW 2.	66			
		SW 1.	69			
		SSW 1.				
Th. 20.	-88	SSW 1.	56		Close & little rain in the morn'g, at 5 & 7 am. Clouds & very warm sun in the day. Even'g bright. & very pleasant.	06
	-97	SW 2.	62			
		W 2.	68			
		S 1.				
Sat. 21.	-97	SSW 1.	55		Cloudy & very showery morn'g, and rainy at times most of the day. Even'g finer, and sun partly bright.	17
	-78	SSE 3.	58			
		S 4.	60			
		SW 4.				
418.12		37.5455		Mean Temp 59.28.		Rain 2.69
		830		3/4		under Average.

# June 1879.

June	Baro. inches	Wind	Thermom. Min. 9. Max.	Character.	Notes.	Rain 2.69
Su. 22.	29.81	SW 4.	53		Cloudy and windy till 1 pm, then partly bright & rather less wind. Even'g more calm, and but little cloudy.	
	30.02	WSW 4.	58			
		WSW 3.	62 1/2			
		2 1/2				
M. 23.	-02	SW 1.	4 1/2		Bright morn'g, little haze & light clouds. Many clouds with some sun in the day, but hazy & cloudy in the evening.	
	29.90	SW 2.	59			
		SW 1.	64			
Tu. 24.	-72	S 2.	52		Cloudy morn'g, some short squally showers in the day & bright in- tervals, and the evening bright & pleasant. (Thunder)	03
	-76	SW 3.	5 1/2			
		W 2.	66			
		S 1.				
W. 25.	-74	SW 1.	48 1/2		Rainy from 6 am, in fitful showers till near 11 am. distant Thunder PM, & very showery. Most se- vere thunder near as in the evening. Fine night.	16
	-77	SSW 1.	57			11
		SW 1.	60			
Th. 26.	-91	SW 2.	49		Bright at 6 AM, then clouds & sun, but from 11 am, squally wind, and flying rain at times finer after 3, and all night.	05
	-81	SW 3.	59			
		S 4.	60			
		SW 2.				
Fr. 27.	-96	SW 2.	52		Cloudy and hot sun noon 1 <sup>st</sup> & very breezy, but fine 5.56 AM. and very pleasant.	
	30.01	SSW 3.	63		Evening very bright but the sun set in lines of haze.	
		SSW 2.	71			
		SW 1.				
Sat. 28.	29.90	SW 1.	57		Shifty morn'g, dark mottled sky & distant thunder. showers at 8 & 9, then bright with light clouds. and a curdled sky 7 pm. fine & clearer night.	09
	-97	SW 1.	63			
		WSW 3.	69			
		SW 2.				
418.30		35.94525		Mean Temp 57.96.		Rain 3.13
		811.5		2° below Average.		



# June 1879.

June	Baro. meter	Wind	Thermom. Min. 9. Max.	Character.	Notes.	Rain
Su. 29.	30.13	SW <sub>1</sub>	52	Bright morn'g, with light clouds. Breezy & pleasant day, some distant thunder, & a heavy thunder shower here 6 pm.	(Thunder)	.07
M. 30.	-13	SW <sub>2</sub>	51	Bright morn'g till 7, then S & H clouds & sun, but mostly bright, and very warm and pleasant. Even'g more cloudy, but less wind and fine night.		
	-17	SW <sub>3</sub>	63			
	-17	SW <sub>1</sub>	68			
	120.48		103.13.4	Mean Temp 2 days 59° 25.	Rain	3.20

Barometer  
Highest on the 13<sup>th</sup> — 30.29  
Lowest on the 16<sup>th</sup> — 29.65  
Range — 0.64  
Mean of Month — 29.92

No Gales in this month.

Prevailing winds SW,  
SE, and South.

Thermometer  
Highest on the 27<sup>th</sup> — 71°  
Lowest on 4<sup>th</sup> & 5<sup>th</sup> AM — 42°  
Range — 29°  
Mean daily range — 14.95  
Mean of Month — 57.66

3<sup>4</sup>/<sub>4</sub>° below Average.

Fine days 11 in number,  
Rain-fall 3.20 Inches.

This was a remarkably showery and unsettled month, with much thunder at intervals, and altogether a growing time for vegetation, yet no really hot summer weather. All things remained behind, and the usual Midsummer Roses, and other flowers scarcely open in the gardens at the end of the month. As there were no cold nights the mean Temperature proved less below Average than it else would have done.

# July 1879.

July	Baro. meter	Wind	Thermom. Min. 9. Max.	Character.	Notes.	Rain
Tu. 1.	29.72	SSE	65.4	Very galy morn'g, & rain at times, and a very blowing & rainy day till about 3 pm. then finer & partly bright all the evening.		.27
	-55	S <sub>5</sub>	58			
	-55	SSW <sub>2</sub>	62			
W. 2.	-62	SW <sub>3</sub>	50	Breezy with clouds & sun, fine till after 1 pm, then thunder showers & sun between, heavy at a distance. Finer night.	(Thunder)	.04
	-75	WSW <sub>3</sub>	58			
	-75	WSW <sub>2</sub>	65			
Th. 3.	-71	SW <sub>2</sub>	52	Cloudy morn'g, and after 11, light drizzling at times, and more after 1 pm. Finer even'g, but a shower about 11 pm.	Full moon 9.38 pm.	.11
	-60	SW <sub>1</sub>	55			.06
	-60	N <sub>2</sub>	58			
	-60	NW <sub>2</sub>	58			
Fr. 4.	-71	SW <sub>2</sub>	49	Clouds & sun, followed by squalls of wind and rain at times, with bright intervals. The evening also unsettled, but the night finer.	very stormy.	.31
	-83	W <sub>4</sub>	59			
	-83	W <sub>3</sub>	61 1/2			
	-83	WNW <sub>2</sub>	61 1/2			
Sat. 5.	-90	WNW <sub>3</sub>	51	Clouds & sun & breezy morn'g. clearer from 10 am, then at times bright till near 2 pm. afterwards unsettled, and little showers. Evening fine and also the night.		.02
	-95	W <sub>2</sub>	56 1/2			
	-95	W <sub>2</sub>	62			
	-95	W <sub>2</sub>	62			
	-95	W <sub>2</sub>	62			
Su. 6.	30.02	WNW <sub>3</sub>	50	Bright morn'g, light clouds, fine drying day, partly bright, but many clouds & brisk wind. Heavy evening and less wind, and a cloudy night.		
	-01	W <sub>2</sub>	61			
	-01	W <sub>2</sub>	64			
	-01	W <sub>1</sub>	64			
M. 7.	29.82	WSW <sub>2</sub>	57	Showery early AM. Finer and clearer after 8, and the afternoon bright with flying clouds & dappled sky; not close from 2 pm. very bright evening, but the night partly cloudy.	(Cuckoo still heard)	.78
	-79	WSW <sub>2</sub>	62			
	-79	SW <sub>3</sub>	70			
	-79	2 & 1.	70			
	416.98		363.44.25	Mean Temp 57° 73.	Rain over	0.99
			805.5	6° below Average.		



# July 1879.

July.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes	Rain. 0.99
Tu. 8.	29.67	SW <sub>3</sub> . 49 SW <sub>4</sub> . W <sub>3</sub> . SW <sub>2</sub> .	57 61	Cloudy more or less, & very little gleams of sun. Squalls of wind, and a heavy storm of rain 5 1/2 pm. then bright & less wind, & fine part of the night.		30
W. 9.	57	SW <sub>3</sub> . 50 WSW <sub>3</sub> . W <sub>5</sub> . 4. 3.	57 59	Breezy & showery early AM. and very stormy day. rain & thunder at times. with little sun. Unsettled & squally night.	Thunder.	20
Th. 10.	77	NW <sub>3</sub> . 50 NW <sub>2</sub> . NW <sub>1</sub> .	54 58	Blustering & showery morning, finer after 11 am again heard bright till 4. then again cloudy and rain in the evening.	Cuckoo.	08
Fr. 11.	30.03	NW <sub>2</sub> . 47 W <sub>2</sub> . W <sub>2</sub> . 8. 1.	57 59	Bright till after 7 AM. moon last seen then mostly cloudy, and hazy, very little sun. Evening also lightly cloudy, and very fine night.	8. 54 AM.	
Sat. 12.	29.95	SW <sub>1</sub> . 47 SW <sub>2</sub> . SW <sub>1</sub> .	58 62	Bright till 7. then a light haze & little drizzle at 11. afterwards clouds, and sun. Slight rain 5 pm. but much during the night.		
Su. 13.	69	SW <sub>1</sub> . 54 1/2 SSW <sub>2</sub> . SSW <sub>2</sub> .	59 64	Much rain till 4 am. Fine & sun at times, from 6 AM. through the day, but some stormy looking clouds. Evening bright, and pleasant, and a fine night.		54
M. 14.	67	SSW <sub>2</sub> . 53 SSW <sub>1</sub> . SW <sub>1</sub> . Var. 0.	61 63	Rocky clouds & sun, followed by hasty showers, with a little sun at times, close and cloudy evening, but a very fine night.		10
416.79		35034265		Mean Temp 55.5.!	Rain cal. up	2.43
777				= Nearly 8° below Average!		

# July 1879.

July.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes	Rain. 2.43
Tu. 15.	29.83	W <sub>1</sub> . NNW <sub>1</sub> . NNW <sub>2</sub> . NW <sub>1</sub> .	52 60 64	Fog early AM, then close & cloudy, but became partly bright after 11, & till near 3 pm. then some clouds, but from 4 pm bright & pleasant.		
W. 16.	30.03	W 1/2 Var 0. SE 1/2 & 1.	51 57 62	Calm & cloudy morning, and continued the same till 3 pm, afterwards partly bright, but the evening thick & hazy. Close night.		
Th. 17.	29.99	E 2. ESE <sub>1</sub> . SE <sub>2</sub> . & 1.	54 59 64	Bright at 6 am, then an electric haze which continued most of the day, with a little sun in the afternoon. & a pleasant & bright evening.		
Fr. 18.	30.05	E 1. E 1. E 1.	54 62 69	Grey clouds & sun, soon clearer, very fine, bright, and warm, with some light clouds, and a very bright evening & pure golden. Sunset.	A fine clear sunset.	
Sat. 19.	75	SE <sub>1</sub> . 47 SE <sub>1</sub> . SE <sub>1</sub> .	63 70	Light clouds, and sun, new moon, but mostly bright, and 9. 6 am. hot in the afternoon. From 4 pm. hazy & thick, and rain after 7 and dark night.		
Su. 20.	29.78	S 3. 5 S 6. 4 SSW <sub>3</sub> . SW <sub>2</sub> .	55 58 64	Much rain early AM, & at times in the day. Finer PM, some sun. Thunder storms southward 4 pm, and the evening unsettled. Stormy night.	(Thunder)	66
M. 21.	48	W <sub>5</sub> . W <sub>4</sub> . NW <sub>2</sub> . NW <sub>3</sub> .	53 57 58	Stormy wind with heavy showers early AM, and continued heavy rain most of the day, and all day more or less till 9 pm. Finer in the night.	(Extensive floods)	60
418.71		3673452		Mean Temp 58.53.	Rain cal. over	5.10
819.5				= 5 1/2° below Average nearly.		



# July 1879.

July.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain. 5.10
Tu. 22.	29.67	NW <sub>3</sub> .	52	Cloudy more or less a little rain at times and very cool breeze.		.05
		NW <sub>4</sub> .	56	Thick light rain in the evening. Fine night.		.06
	-84	N <sub>4</sub> .	56½			
W. 23.	30.03	NW <sub>2</sub> .	52	Cloudy with some sun at times, but mostly cloudy in the afternoon, but the evening bright & tranquil.	Foggy night.	
		NW <sub>1</sub> .	57			
	-75	W <sub>1</sub> .	60½			
		& 0.				
Th. 24.	-12	WSW <sub>2</sub> .	50	Close morning, slight rain at 7, cloudy AM, but the afternoon chiefly bright, and very warm.		.02
		W <sub>2</sub> .	60	Sunset rosy & partly clear.		
	-75	W <sub>2</sub> .	68			
		& 1.				
Fr. 25.	-18	SW <sub>2</sub> .	48	Bright morning, and continued chiefly so in the day, with some clouds at times. Bright evening, but more cloudy part of the night.		
		SW <sub>1</sub> .	61			
	-20	SW <sub>1</sub> .	65½			
Sat. 26.	-13	SW <sub>1</sub> .	52	Bright warm & clear noon 1 <sup>st</sup> Dr. morning, but became thick at 8 am, & hazy all day. Little wet at 6½ pm. Fine night.	10.36 AM.	.01
		SW <sub>1</sub> .	60			
	-04	SW <sub>0</sub> .	62			
Su. 27.	-13	W <sub>1</sub> .	52½	Close, dappled sky, and sun, continued bright and pleasant, with cumuli & cirri.		
		W <sub>2</sub> .	63	Evening close & calm.		
	-22	W <sub>1</sub> .	69			
		& 0.				
M. 28.	-22	SW <sub>1</sub> .	56	Bright at 6 AM, then cloudy till near 10, after wards mostly bright & hot, with light clouds.		
		SW <sub>2</sub> .	63½			
	-26	SW <sub>2</sub> .	73			
		& 1.				
421.34			36254545	Mean Temp 58° 35.7.	Rain cal' up	5.24
817 = 5.2 under Average.						

# July 1879.

July.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain. 5.24
Tu. 29.	30.24	SW <sub>½</sub> .	57½	Blue haze & sultry morning, from 7 am became bright & very hot all day, and a sultry eve- ning & night.		
		S <sub>1</sub> .	71			
	-13	SSE <sub>2</sub> .	77			
		& 1.				
W. 30.	-03	SW <sub>1</sub> .	60	Sultry & electric morning very hot and bright after 7 AM all the day.		
		W <sub>2</sub> .	72	Evening close & sultry with some clouds.		
	-07	W <sub>0</sub> .	77½			
Th. 31.	-07	SSE <sub>½</sub> .	62	Close & sultry till noon cloudy pm, slight drip of rain at times, & very little sun. Evening clearer.	Thunder.	
		S <sub>1</sub> .	67			
	-00	SSE <sub>2</sub> .	70	Distant thunder, but a fine moonlight night.		
		S <sub>1</sub> .				
180.54			17952245	Mean 3 days 67° 33.	Rain 5.24	
Barometer.				Thermometer.		
Highest on 28 <sup>th</sup> - 30.26				Highest on the 30 <sup>th</sup> - 77° 5.		
Lowest on 20 <sup>th</sup> - 29.46				Lowest on 11 <sup>th</sup> 12 <sup>th</sup> & 19 <sup>th</sup> - 47° -		
Range 0.80				Range = 30.5		
Mean of month 29.91				Mean daily range = 12° 16.		
Gales on 4 days.				Mean of month 58° 43.		
Prevailing winds SW				5¼° below corrected Average.		
and West.				Fine days 16 in number		
				Rainfall 5.24 Inches!		

Remarkably wet and stormy to the 22<sup>nd</sup> after-  
wards very fine and hot to the end. Crops late, but  
improved much by the favourable change in the  
last week of the month.



# August 1879.

August	Baro. meter	Wind.	Thermom. Min. 9 a.m. Max.	Character.	Notes.	Rain.
Fr. 1.	29.98 30.15	S 1. SW 2. SW 1. W 1.	58 65 72	Sultry morn'g & little showers early. Finer after 8 am, and chiefly bright and hot. Even'g partly bright but a rosy streaked west.		.12
Sat. 2.	-26 -20	NW 1. NE 2. NE 2. E 3.	50 65 69	Clear, very bright & sultry morn'g, and a bright and lovely day with light cumuli clouds. Even'g more clouded & electric.	Full moon 7.12 a.m.	
Su. 3.	-03 -05	E 3. E SE 2. SE 1. S 0.	56 1/2 64 72	Severe thunder storms from 2 1/2 to 4 1/2 AM. Fine close and sultry day, little gleams of sun. Sultry & close even'g & night.	(Thunder storm early)	1.20
Mon. 4.	-03 -14	SE 1. SSW 2. SW 2. WSW 1.	60 64 69	Thunder storm 2 AM. Fine and pleasant with clouds and sun most of the day, and a bright even'g, fine night.	(Thunder 2 am)	.14
Tu. 5.	-08 29.87	S 1. SSW 2. S 3. S 2.	52 64 67 1/2	Bright morn'g, clouds and sun in the day. Distant Thunder PM. Cloudy even'g, fine & clearer night.		
W. 6.	-83 -88	SW 2. SW 3. SW 2.	53 63 66 1/2	Bright morn'g, and fine with sun, and clouds till noon, then a flying shower at 1 pm, & at 8 pm. Night fine.		.04 .03
Th. 7.	-91 -97	SW 2. SW 3. SW 4. SW 2.	53 1/2 58 65 1/2	Clouds and sun, with a rather blustering wind during most of the day, but less in the even'g, and a fine night.		
420.38		3834815		Mean Temp 61.75. Rain cald up 1.53		
		864.5		1 3/4° below Average.		

# August 1879.

August	Baro. meter	Wind.	Thermom. Min. 9 a.m. Max.	Character.	Notes.	Rain.
Fr. 8.	29.98 -97	WSW 1. WSW 1. SW 1/2.	53 63 67 1/2	Bright with light clouds, fine and pleasant, with a gentle wind. Even'g close and hazy, but a very fine night.		
Sat. 9.	-96 30.06	W 2. W 3. W 1.	52 61 63	Bright with light clouds, and very brisk wind, a very drying day, and very bright evening, and nearly calm.		
Su. 10.	-12 -14	W 1. W 1. SW 1. SE 1.	48 62 67	Clear, very bright and cheering morn'g, and the day the same, with a few small clouds. Hazy even'g, but very fine.	moon last Dr. 2.9 am.	
Mon. 11.	-15 -17	SE 1. SE 2. SE 0.	56 68 73	Bright & lovely morn'g, very bright and hot all the day. Splendid sunset, quite clear, and a golden lustre.		
Tu. 12.	-13 -12	SE 1. SE 2. ESE 1.	53 69 71	Fog early, then bright, & so continued all day, hot sun, but a cooling breeze. A very parching day, and a bright evening. Hazy night.		
W. 13.	-03 -06	E 2. SE 2. S 1. S 1.	56 70 74	Bright morn'g with light haze, became hot after 8 am. Very hot & bright till noon, afterwards a haze, and rather electric. Very sultry night & cloudy.		
Th. 14.	-10 -18	W 1. W 1. Var. 0.	62 65 73	Little rain at 1 & 2 am. sultry morn'g, and cloudy till after 10 am, then bright and hot with electric clouds, & haze. Close & sultry even'g.		.01
421.17		3804885		Mean Temp 62.03. Rain cald over 1.54		
		868.5		1 1/2° below Average.		



# August 1879.

August	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character	Notes	Rain 1.54
Fr. 15.	30.13	Var. 0.	58	Bright with blue haze in the morn; bright and hot day, but a haze at times. Even; bright but fog came on at night.		
		SE $\frac{1}{2}$ .	63 $\frac{1}{2}$			
		SE 2.				
	-03	SSE 1.	74			
Sat. 16.	29.83	SSE 1.	59	Very close, little rain. Clearer after 8, hot, and partly bright, with electric clouds. Flying showers at 4 pm, & 5 pm. Fine night.		02
		S 1.	66 $\frac{1}{2}$			
		S 2.				
	-75	SE 1.	71			16
Su. 17.	-63	S 1.	50	Bright morn; till 8, new moon then clouds & sun till 8.11 pm. noon, a few rain drops.		
		SSW 2.	58	Cloudy afternoon & some light showers, but more at 9 pm.		19
	-70	SW 2.	62 $\frac{1}{2}$			
		SE 3.				
M. 18.	-74	SW 1.	52 $\frac{1}{2}$	Cloudy morn; clearer after 9, rocky clouds, and sun. Distant Thunder Northward. Fine and tranquil night.	Thunder NW. 2.2 pm.	
		SW 2.	60			
	-83	W 1.	66			
		SE 0.				
Tu. 19.	-91	SE 1.	49	Clear at 5 am, fog from 6 am till after 9 am, afterwards clouds & sun, but the afternoon hazy. Rain in the night.		
		SSW 2.	61			
	-95	S 2.	66			
W. 20.	-82	SSE 3.	58	Rainy all the morn; & at times till near 11 am. sultry but finer PM, and very close even; and night, but fine.		60
		S 2.	64			
		S 2.	66			
	-84	SE 1.				
Th. 21.	-86	S 1.	61	Bright morn; till 8 am, then close and sultry. Thunder from 1 pm, and a storm with lightning and thunder at 3, another at 5.2 pm. & another after 6 pm.	Thunder storm.	38
		SSE 2.	65			
	-77	Var 1.	67			
417.79		387.54723		Mean Temp 61.428.		Rain cal. up } 2.89
		860		2° below Average.		

# August 1879.

August	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character	Notes	Rain. 2.89.
Fr. 22.	29.79	S 2.	54 $\frac{1}{2}$	Bright morn; with flying clouds, chiefly so all the day, and very warm, the evening also very bright. till sunset. Stormy night.		
		SSW 3.	62			
	-92	SW 4.	68 $\frac{1}{2}$			
Sat. 23.	-97	S 2.	55	Close and cloudy morn; and rain from 9 AM, more or less till near 3 pm. and again from 6 to 7 pm. Finer in the night.		57
		S 1.	62			
	-90	Var 0.	63			
Su. 24.	30.06	NW 1.	53 $\frac{1}{2}$	Clouds & sun in the morn; moon 1 $\frac{1}{2}$ 2. but after 9, very bright, warm and pleasant, and a calm, bright, and lovely evening. Stormy night.	moon 1 $\frac{1}{2}$ 2. 3. 12 pm. 6 & 0	
		W 1.	64			
	-72	W 1.	68			
M. 25.	29.91	SSW 2.	57	Cloudy & close morn; till near 9, then partly bright & warm, showers at a distance at noon. Very bright afternoon, & evening.		
		SW 3.	63			
	-91	W 1.2	67 $\frac{1}{2}$			
Tu. 26.	-76	SW 3.	52	Clouds & sun but became rainy & squally from 11 am till 1 pm. Then bright, but thunder N, at 3 pm. Bright evening, & fine night.		73
		W 4.5.	62			
	-82	W 3.	64			
W. 27.	-87	SW 2.	53	Cloudy followed by rain from 8 am, more or less most of the day. Evening finer and clearer, and the night also, & rather close.		38
		SSW 3.	56			
	-59	SSW 4.	62			
		3. 2.				
Th. 28.	-70	SSW 1.	53	Rain from 7 am till noon, then finer, and some gleams of sun after 2 pm. Partly bright. The rest of the afternoon. Fine evening & night.	6 H 0	37
		SSW 2.	61			
		SW 3.	63 $\frac{1}{2}$			
	-64	SE 2				
417.96		378.4565		Mean Temp 59.607.		Rain cal. over 4.34
		834.5		4° below Average.		



# August 1879.

August	Baro meter	Wind	Thermom Min. 9. Max.	Character	Notes	Rain 4.34
Fr. 29.	29.74	SW 4.	54		Bright & breezy morn., and the day bright and windy with small clouds and rather electric. Evening bright & wind less.	
		WSW 5.	63			
		W 4.	66			
	-93	3 & 2.				
Sat. 30.	30.05	WSW 1.	50		Clear, bright morn. and a very fine, and bright day, few small clouds only. Very fine moon light night.	
		WSW 2.	61			
	-08	SW 1.	66			
Su. 31.	-06	SW 2.	50		Clear morn., bright with rocky cumuli in the day, and very cool breeze. Clear sunset & wind gone.	Full moon 6.58 pm. 32.0
		W 4.	61			
	-32	W 2.	63			
		1.8 0.				
180.18			154.195	Mean of last 3 days.	58.16.	Rain 4.34

## Barometer

Highest on the 31<sup>st</sup> 30.32  
Lowest on the 27<sup>th</sup> 29.59  
Range = 0.73  
Mean of Month 29.95

Gales on 2 days.

Prevailing currents to the  
SW, S, SE, and W.

## Thermometer

Highest on the 13<sup>th</sup> & 15<sup>th</sup> 74°  
Lowest on 10<sup>th</sup> morn 48°  
Range = 26°  
Mean daily range 13.27  
Mean of month 60.91

2<sup>1</sup>/<sub>10</sub> below the corrected Average.

Fine days 19 in number,  
Rain fall 4.34 inches.

This was for the most part a very unsettled,  
stormy, and wet month, excepting from the 6<sup>th</sup>  
to the 16<sup>th</sup>, which with us was a very fine and  
warm period in this part. The latest season for  
19 years past, and Harvest not yet begun. Aug 31<sup>st</sup>  
except in a very few cases by way of testing.

# September 1879.

Sept.	Baro meter	Wind	Thermom Min. 9. Max.	Character	Notes	Rain
M. 1.	30.47	NW 1/2.	40 1/2		Clear, dewy morn., very bright day, & nearly calm, a few small clouds but the solar heat sub- dued by the cool air. — Hazy in the night.	
		W 1/2.	58			
	-55	SW 1/2.	64			
		S 1/2.				
Tu 2.	-50	S 1.	45		Hazy morn., but at 11. it became very bright and so continued, with very few clouds. Evening more clouds & haze.	
		SW 2.	56			
	-39	SW 3.	67			
		2.1.0.				
W. 3.	-30	SW 1.	46		Very bright & lovely morn., continued bright with gentle breeze, and hot as well as parching, and a brilliant evening.	
		SW 2.	60			
	-18	SW 1.	70			
Th. 4.	-18	SW 1.	47		Bright morn. with some grey clouds; close and lightly cloudy till after 3 pm, then bright all the evening & fine night.	
		W 2.	59			
	-25	NE 1.	62 1/2			
		NE 1.				
Fr. 5.	-20	E 1.	50		Chiefly cloudy after 6 am. very little sun; dappled clouds in a higher cur- rent from S. Bright after 2 pm, at times till 5. Cloudy evening.	
		E 2.	58			
		E 1.	62			
	-10	8 0.				
Sat. 6.	29.93	E 1/2.	53 1/2		Foggy & sultry morn., clearer after 9 am, and became bright & hot from 10 AM, all the day. Hazy & close evening & night.	
		E 0.	62			
		E 1.	71			
	-84	SE 1/2.				
Su. 7.	-83	SE 1/2.	58		Fog till 8, then bright and hot, most of the day, but more wind and some clouds after 3 pm, slight shower at 4, then again fine all night.	01
		SSE 1.	64			
		S 3.	71			
	-76	2 & 1.				
422.48			340.4675	Mean Temp 57.67.	Rain car over 0.01	
			807.5	= 1 1/2° below Average.		



# September 1879.

Sept.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain. 0.01
M. 8.	29.86	S 2.	52.2	Bright with cumu- li clouds, but more wind and clouds PM. Fine & breezy night.	moon last Dr. 8.4 pm.	
	-78	S 3.4 S 2.	62			
Tu. 9.	-66	S 3. SSW 4. SW 5. W 3.	53	Gusty wind, stormy clouds, and rain at times. Showers at a distance, & a hard shower here at 5 pm.	(showers at 6.2 am. and 5 pm.)	.02
	-75		55			.04
W. 10.	-98	W 2. W 2. W 1.	50	Fine with clouds & sun, and a drying breeze. Clear & set and wind gone. Calm night.		
	30.15		57			
Th. 11.	-10	SW 1. SW 2. SW 1.	49	Cloudy & hazy, with little sun at inter- vals. Even chiefly cloudy. Cover even and night.		
	29.99		57			
Fr. 12.	-85	S 3. S 3. S 1.	55	Warm breeze, grey clouds and little sun, but for the most part cloudy. Slight rain even- at times, close night.		.06
	-80		59			
Sat. 13.	-88	WSW 0. W 1/2. SW 1. S 1.	55	Close & calm morn- became bright & hot in the sun. Very plea- sant day. Hard rain evening & night.		
	-84		62			
Su. 14.	-86	W 2. NW 1. NW 1. & 0.	56	Rain at times till 6 am, then fog at 8 to 9. Cloudy till noon, bright, and pleasant afternoon. Clear sunset.		.70
	30.05		57			
	41.8.55		37.03 44.65	Mean Temp 58.35.	Rain cal up	0.83
			817	Nearly 1° below Averages.		

# September 1879.

Sept.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain. 0.83
M. 15.	30.13	Var. 0. SE 1. SE 1.	43.2	Fog early, became bright, and warm from 8 AM. all day, with a few light clouds, & bright evening & sunset.	(clear salmon- coloured sunset.)	
	-10		57			
Tu. 16.	-12	E 1. E 2. E 1.	46	Bright with cumuli- clouds, & a fresh breeze at times. Very warm, & pleasant. Rosy clouds with setting sun.	new moon 5.57 am.	
	-13		61			
W. 17.	-09	E 2. E 1. E 0.	55	Close morn- & rather elec- tric. Bright & warm after 11, with some clouds. More clouds & close from 4 pm. heavy storm 9 to 12 pm.	Sharp thunder storm night.	
	-05		62			
Th. 18.	-07	Var 1. NW 1. NW 1.	57	Thunder storm 3 am, and distant thunder till 8 raining till 10, then finer but cloudy. Evening clearer and a fine night.	Thunder till 8 am.	.78
	-09		59			
Fr. 19.	-18	NW 1. NE 1. NE 0.	54	Cloudy morn- & clear after 10 am, bright & pleasant afternoon. Evening dappled & some haze. Mist on the vales.		
	-26		58			
Sat. 20.	-22	SE 0. SE 1. SSW 2. SSW 1/2.	51	Fog early, clearer after 8, and partly bright, but a frequent haze came over, very blue & thick, but a clear rosy sunset, and very fine night.		
	-13		58			
Su. 21.	-14	W 1. SW 2. SW 1. S 1.	52	Rather hazy but fine morn- & cloudy with sun at times in the day. Cloudy even- but a fine night.		
	-06		57			
	42.1.77		35.83 44.0	Mean Temp 57.03.	Rain cal over	1.61
			798	2° below Averages.		



# September 1879.

Sept.	Baro meter	Wind.	Thermom. Min. 9. Max.	Character	Notes.	Rain. 1.61
M. 22.	29.94 30.01	WSW <sub>2</sub> W <sub>3</sub> W <sub>1</sub>	49 55 59	Clear and breezy, morn'g, bright day, with cumuli, and a cool drying wind. Even'g rather hazy.	moon 1 <sup>st</sup> 2 <sup>nd</sup> 9.19 pm.	
Tu. 23.	29.74 -69	S <sub>4</sub> S <sub>3</sub> SW <sub>2</sub> W <sub>1</sub>	48 56 59	Squally wind & some rain at times from 7 am, till 11. Finer till 4 pm. then rain heavier, and rainy evening & night.		24 40
W. 24.	-50 -76	NE <sub>2</sub> NW <sub>4</sub> W <sub>1</sub>	48 50 55	Excessive rain till 7 am. Finer after 10. and some sun, but thunder at a distance at 2 & 3 pm. Fine & clear night.	Great floods, Thunder PM	1.38
Th. 25.	30.08 -30	W <sub>3</sub> W <sub>2</sub> W <sub>1</sub> & o.	42 50 56½	Bright & cool morn'g, bright & drying day & a few small clouds, but very cool wind. Even'g clear & nearly calm.		
Fr. 26.	-38 -36	SW <sub>½</sub> WSW <sub>2</sub> WSW <sub>2</sub> 1 & o.	42 52 60	Bright and pleasant with a few cumuli clouds: rather more clouds in the even'g.		
Sat. 27.	-39 -35	NW <sub>1</sub> NW <sub>1</sub> NW <sub>0</sub>	46½ 51 57	Fog till near 9 AM. then bright all day, with some cumuli clouds. Bright & set, & very fine night.		
Su. 28.	-24 -17	SSW <sub>2</sub> SSW <sub>2</sub> SSW <sub>2</sub>	41 55½ 61	Grey clouds and thin, with haziness, but warm & pleasant. More clouded in the even'g.		
420.91						Mean Temp 51.75, Rain 3.63 72.45 = 7¼° below Average.

# September 1879.

Sept.	Baro meter	Wind.	Thermom. Min. 9. Max.	Character	Notes.	Rain 3.63
M. 29.	30.13 -26	S <sub>1</sub> Var. 1. NE <sub>1</sub> E <sub>1</sub>	53 56 56	Much rain from 1 to 5 am, at times, and light rain in the fore- noon, fine & clearer in the afternoon. Bright sun-set, & fine night.		46 70
Tu. 30.	-26 -22	NE <sub>1</sub> SE <sub>2</sub> SE <sub>1</sub>	48 57 62	Clouds & sun, unsettled sky till 10 am, afterwards bright with rocky cu- muli, warm & pleasant, afternoon. Hazy even'g.	Full moon 9.17 am.	
120.87						Mean 2 days 54.75. Rain - 4.19
Barometer.				Thermometer.		
Highest on the 1 <sup>st</sup> 30.55				Highest on 6 <sup>th</sup> & 7 <sup>th</sup> 71.°		
Lowest on the 24 <sup>th</sup> 29.50.				Lowest on 1 <sup>st</sup> AM. 40.5		
Range 1.05				Range - 30.5		
Mean of Month 30.27				Mean daily range 13.4		
Gale on the 9 <sup>th</sup> day. —				Mean of month 56.18.		
Prevailing winds SW, W, and E. —				3° below the corrected Average		
				Fine Days 22 in number, Rainfall 4.19 inches.		

To the 13<sup>th</sup> this month was very fine and pleasant,  
afterwards some heavy rains at times, and on  
the 23<sup>rd</sup> and 24<sup>th</sup> frightful floods. Much corn and  
some uncut remained in the fields to the end  
of the month.



# October 1879.

October	Baro. meter	Wind	Thermom. Min. 9. Max.	Character	Notes	Rain.
W. 1.	29.91	SSE 4. S 2. SW 3. & 2.	4.52 55 61½	Squally & wet from 5 am, till 11. Then finer, and at times bright after 1 pm. & also warm. Fine & calm evening.		34
Th. 2.	30.01 29.94	SW 1. SW 4. W 3. 2 & 1.	47 52 57	Clear dewy morning continued bright till 11, afterwards stormy & Thunder in W. Hazy evening, and wind back little. Fine night. (Thunder in W. 1 pm)		08
Fr. 3.	30.20	W 1. SW 2. SW 3. & 2.	43½ 49 55	Clear morn'g, chiefly bright till 12, but rather hazy & some clouds PM. More clouded & unsettled from 3 pm. Fine night.		
Sat. 4.	-23 -37	W 3. W 3. NW 1. & 0.	50 55 61	Clouds & sun, but mostly bright till noon, hazy afternoon, & much grey cloud. Calm & close evening. Fine night.		
Su. 5.	-38 -42	NE 0. E ½. SE 1. & 0.	5½ 57 61	Close & calm morning 8 h 0 with blue fog. Very tranquil, warm & pleasant day, and the afternoon partly bright. Evening cloudy, night clear.		
M. 6.	-45 -46	SE 1. SE 1. SE 0.	46 57 60	Bright till noon, warm and pleasant, more hazy with grey clouds PM. Clear evening from 4 pm, & very fine night.		
Tu. 7.	-49 -53	SE 0. SE ½. SE 1.	51 57 61½	Calm & close morn'g, very fine, warm & pleasant day, and chiefly bright. Evening foggy, and the night also.		
42341		341417		Mean Temp 54.14. Rain carried up 42		
		758		Nearly 2° above Average.		

# October 1879.

October	Baro. meter	Wind	Thermom. Min. 9. Max.	Character	Notes	Rain
W. 8.	30.54	NE 1. E 2. E 1.	49 52 54½	Fog all the morning, after moon last Dr. wards very cloudy with a cool and damp air. The evening nearly the same, & a fine night.	1.43 pm.	0.42
Th. 9.	-55 30	E ½. E 1. E 0.	48 53 54	Cloudy & calm forenoon became partly bright in the afternoon, but a cool air. Very bright from 4 pm. Sun set in full glory.		
Fr. 10.	-49 -52	NE 0. NE 1. NE 1.	38½ 50 56	Foggy & clear by turns in the morning, fine day, with clouds and sun. Evening chiefly clear, but lines of rosy clouds in W.		
Sat. 11.	-57 60	W 1. W 2. W 1.	41 53 57½	Fog till 8 am, then bright all day, drying, and pleasant. More wind and blue haze after 2 pm, and a foggy evening.		
Su. 12.	-62 -55	W 1. W 1. NW 1. & 0.	46 49 51	Very foggy all the morning, and more or less most of the day, but very little wind. The evening also foggy as before.		
M. 13.	-50 -37	W 1. W 2. W 2. & 3.	47 49 50	Fog, but less, and continued nearly the same all the day, and cooler breeze. The same in the evening and night.		
Tu. 14.	-26 -11	W 2. W 2. W 3. & 4.	46½ 51 56	Cloudy more or less, a fresh breeze, drying air, and a little sun at times in the afternoon. Closer evening. Rain 8 pm.		04
42676		316379		Mean Temp 49.64. Rain car'd over 0.46		
		695		2½° below Average.		



# October 1879.

October	Baro meter	Wind	Thermom Min	9 Am	Max	Weather &c.	Notes	Rain
								0.46
W. 15.	30.22	NW <sub>2</sub> NW <sub>3</sub> N <sub>2</sub>	38		45 48	Clear at 7 am, afterwards new moon squally, little scattered showers, clouds & sun. Cold evening & night, and partly clear.	3.9 pm.	.01
Th. 16.	-22 -29	N <sub>3</sub> NW <sub>2</sub> NW <sub>2</sub> 1 & 0.	35		40 48½	Clouds & sun, with a cold wind, but most- ly bright. Rosy lines of cloud in west at set. Fine tranquil evening.		
Fr. 17.	29.93 -80	SW <sub>2</sub> SW <sub>3</sub> W <sub>3</sub> & 2.	36½		47 50½	Cloudy, squally wind and little showers at times, and a blustering afternoon, but less wind at night.		.02
Sat. 18.	-98 30.05	W <sub>2</sub> W <sub>2</sub> NW <sub>1</sub> SW <sub>1</sub>	37		43 50	Clear, bright mornng, and continued. very bright, with a few clouds but a cool air. Change during the night.		
Su. 19.	29.71 -62	SW <sub>2</sub> SW <sub>2</sub> W <sub>3</sub>	40		56 61	Slight rain & warm breeze early AM. Fine & clearer as the day opened, warm & partly bright. Stormy from 3 pm. & during night.		.08 .04
Mon. 20.	-47 -64	W <sub>5</sub> W <sub>6</sub> W <sub>3</sub> & 2.	47		49 52	Stormy early AM, and continued very gusty, but mostly bright, and quite clear from 2 pm, and a clear night, but colder, yet less wind.		.03
Tu. 21.	-86 30.02	W <sub>2</sub> W <sub>2</sub> W <sub>1</sub>	37		42 49	Bright mornng, and continued very bright. with a cool breeze. Some clouds after 3 pm. Clear evening.		
419.02		270.5		35.9	Mean Temp 44.96.		Rain cal up	0.64
629.5 = 7° below Average.								

# October 1879.

October	Baro meter	Wind	Thermom Min. 9. Max. am	Weather, &c.	Notes.	Rain
						0.64
W. 22.	30.03	W <sub>0</sub> SW <sub>½</sub> S <sub>0</sub> S <sub>0</sub>	35½ 43½ 52	Blue fog in the mornng, moon 1 <sup>st</sup> 2 <sup>nd</sup> clearer after 10 am, but 6.18 am. Some fog at times, and gloomy day. Evening also foggy.		
Th. 23.	-12 -10	SW <sub>½</sub> SW <sub>1</sub> SW <sub>1</sub>	49 51 53½	Close & warm morning. and nearly the same all day. The evening damp and overcast, and very warm night.		
Fr. 24.	29.95 -86	S <sub>1</sub> SSW <sub>1</sub> SSW <sub>1</sub> S 1-2	51 56 60	Very close & damp mornng, the day very warm, and partly bright. Close evening & little wet, and after midnight more.		
Sat. 25.	-78 -95	SW <sub>2</sub> W <sub>1</sub> NW <sub>2</sub> 81.	47 48 51½	Rain at times early & till after 8, then fine & bright the rest of the day, with few clouds. Clear Oct. & clear night.	18 04	
Su. 26.	30.12 -19	NE <sub>0</sub> E <sub>2</sub> SE <sub>1</sub>	34 40 52½	Clear & hoar frost in the mornng, fine & bright day, with a few rocky clouds. More clouds in the evening & little rain.	(Ash leaves shriveled much.)	
Mon. 27.	-25 -33	E <sub>1</sub> SE <sub>2</sub> E <sub>2</sub> 81.	47 54 56	Very close & cloudy, much warmer again. Clearer from 10 am, & partly bright with loose cumuli. Bright moonlight evening.		
Tu. 28.	-37 -38	E <sub>1</sub> E <sub>2</sub> E <sub>1</sub>	44 50 52½	Clouds, and sun, very fine drying day, cool but pleasant for the season. More clouded at eve, & slight wet.	(Maple trees yellow.)	
421.46		307.5378		Mean Temp 48.96.	Rain car over	0.86
685.5 = 3° below Average.						



# October 1879.

October.	Baro. meters	Wind.	Thermom. min. 9. max.	Character.	Notes.	Rain.
W. 29.	30.31	NE <sub>2</sub> NE <sub>2</sub> NE <sub>1</sub>	44 46 48	Cloudy and damp all day, but fine. Nearly the same in the evening, but a fine night, and milder.	Faces looky in yellow & red variety of foliage.	0.86
Th. 30.	30.35	E <sub>1</sub> E <sub>2</sub> E <sub>1</sub>	46 48 51	Cloudy, more or less, but loftier clouds, & a drier air till 2 pm. afterward inclined to drizzle at times.	Full moon 2.10 am.	
Fr. 31.	30.32	E <sub>1</sub> E <sub>2</sub> E <sub>1</sub>	46 47 51	Clouds and sun, with a gentle breeze, and drying air. Moon bright in the evening, with fleecy clouds.		
1879	137	150.5	Mean Temp 47.91	Rain 0.86		

Barometer.	Thermometer.
Highest on the 12 <sup>th</sup> 30.62	Highest on the 1 <sup>st</sup> & 7 <sup>th</sup> 61.5.
Lowest on the 20 <sup>th</sup> 29.47	Lowest on 26 <sup>th</sup> am 34.
Range 1.15	Range 27.5.
Mean of Month 30.20.	Mean daily range 10.04.
1 Gale on the 20 <sup>th</sup> .	Mean of month 49.28.
Prevailing winds West, East, and S.W.	2 $\frac{3}{4}$ deg below Average.
	Fine days 25 in number.
	Rainfall 0.86.

This month was very fine, with little exception throughout, and favourable for the land. There was no considerable heat, but often moderately warm, and pleasant. - The foliage hung late, and but little fallen, so that the landscape was beautiful to the month's end more than in most years.

# November 1879.

Nov.	Baro. meter	Wind.	Thermom. min. 8. max.	Character.	Notes.	Rain.
Sat. 1.	30.15	N <sub>2</sub> . N <sub>2</sub> . -11 N <sub>6</sub> W <sub>3</sub> .	41½ 43 47	Slight rain at 6 am finer & clearer most of the day, & little sun at times, but more cloud- ed again after 1 pm. Fine & clearer till midnight.	(Poplar sheds the leaves)	.02
Su. 2.	30.15 -28	NW <sub>4</sub> . NW <sub>3</sub> . NE <sub>2</sub>	34½ 37 44	Squally sleet showers at times from 5 am, and flying rain with sun at intervals during the day. Fine & clearer after 4 pm.	(Ash trees bare.)	.20
M. 3.	30.34 -47	NNW <sub>2</sub> . NW <sub>2</sub> . NW <sub>1</sub> .	37½ 43 47½	Low clouds and light- showers in the morn- ing, but finer from 10 am. yet mostly cloudy, and a drizzle eve- ning, but fine night.		.03
Tu. 4.	30.53 -57	NW <sub>1</sub> . W <sub>2</sub> . W <sub>2</sub> . 1 & 0	42½ 45 47½	Cloudy more or less but fine and a drying breeze in the afternoon. Calm evening & lofty grey clouds.		
W. 5.	30.52 -53	W <sub>2</sub> . W <sub>3</sub> . W <sub>1</sub> .	42 44 50	Bright from 7 am, & a drying breeze, with a few small clouds. Evening more hazy, but clearer after 8 pm.		
Th. 6.	30.50 -48	W <sub>2</sub> . W <sub>4</sub> . W <sub>3</sub> .	40 43 50	Grey clouds, drying morning, very breezy all day, some clouds, but at times bright, and a clear starlight evening.		
Fr. 7.	30.55 -64	NW <sub>1</sub> . NW <sub>1</sub> . NW½.	40 43 50	Clear at first then hazy, but from 10 am very bright and cheer- ing all day. Evening also clear, and near- ly calm.	moon last 2 <sup>rs</sup> 5.55 am.	
42582		278336		Mean Temp 43°.85.		Rain carried over 0.25
614				= 1¾° above Average.		



November 1879.

Nov.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Character.	Notes.	Rain.
Sat. 8.	30.61 -58	W <sub>0</sub> SW <sub>0</sub> SW <sub>0</sub>	35 43 47	Calm, thick & foggy morning, and nearly the same all day, and the even <sup>g</sup> also. Close night.		0.25
Su. 9.	-50 -39	S $\frac{1}{2}$ S 1. S 1.	43 46 48	Close, calm & mild morning. Cloudy day but very fine. Dark and overcast even <sup>g</sup> , and night.		
Mon. 10.	-23 -27	SW $\frac{1}{2}$ W <sub>2</sub> NW $\frac{1}{2}$ & 2.	43 $\frac{1}{2}$ 46 49	Close and cloudy and a thick and dark afternoon, clears after 3, and the night a little frost.		
Tu. 11.	-21 29.88	W $\frac{1}{2}$ SW 1. SW 3. 4. 5.	34 38 44	Hazy & partial frost in the morn <sup>g</sup> ; cloudy with gusty wind in the afternoon, and galy showers after 5 pm.		.03
W. 12.	-78 30.02	NW 6. NW 6. NW 4.	41 44 44	Galy from last night, and continued strong till 2 pm, then abating slowly, but a brisk & keen wind, & clear night.	8 30	
Th. 13.	-02 -19	WNW 3. WNW 3. NNW 2.	30 32 44	Keen frost & brisk wind clear till 8 am, then flying showers of snow & rain with bright intervals. Frosty night & partly clear.		.02
Fr. 14.	-30 -38	NW 1. N 2. N 1.	30 33 41	Heavy frost AM, showers of rain & sleet after 11, and bright intervals. Clear & frosty even <sup>g</sup> & night.	new moon 0.38 am.	.03
423.36		256.5 317.5		Mean Temp 40° -	Rain said up	.33
574 = 2° below Average.						

November 1879.

Nov.	Barometer	Wind	Thermometer	Character	Notes	Rain.
			Min. 8. Max.			
Sat. 15.	30.46 -52	NW <sub>0</sub> NE <sub>1</sub> NE <sub>0</sub>	26 27 40½	Hard frost, clear & calm morning, and fine bright day, with a few light clouds. Sharper frost in the evening & night.		0.33
Su. 16.	-45 -33	Var. <sub>0</sub> SW <sub>½</sub> SW <sub>2</sub> W <sub>3</sub>	22½ 24 39	Very sharp frost, then became thick & gloomy from 7 AM. Overcast all day, and the evening the same. Close & milder night.		
M. 17.	-30 -21	SW <sub>1</sub> SW <sub>2</sub> SW <sub>2</sub>	37 43 48	Close & mild morning, slight rain at 7. Continued cloudy but fine, and mild. Lower clouds in the evening, but from 7 pm, a clear night.		
Tu. 18.	-27 -38	W <sub>1</sub> NW <sub>1</sub> NW <sub>2</sub> NE <sub>3</sub>	4½ 43 50	Clear but mild morning, and continued bright and cheering all day, scarcely a cloud, and also mild & pleasant. Evening clear, but a cloudy night.		
W. 19.	-40 -41	NE <sub>1</sub> NE <sub>2</sub> NE <sub>1</sub>	42½ 43 45	Cloudy till 8, then clearer. Bright day, with loose cumuli and a cold breeze. Beautifully coloured clouds at sunset. Fine clouds.		
Th. 20.	-25 -73	ENE <sub>2</sub> NE <sub>3</sub> NE <sub>3</sub>	33½ 37 37	Squally & snow at times. Moon 1 <sup>st</sup> 2 <sup>nd</sup> cold and cheerless all the day, and heavier falls of snow in the afternoon. (snow) Finer night & a little frost.		
Fr. 21.	29.92 30.01	E <sub>1</sub> SE <sub>1</sub> SE <sub>2</sub> 1 & 0.	3½ 34 35	Little frost early, much snow from 8 till 10 am, then clearer a while, but from 11 am, again (snow) overcast, & snow at times. Foggy evening & frost.		
424.04			23452945	Mean Temp 37° 78.	Rain cal over	33
			529	= 3½° below Average.		



# November 1879.

Nov.	Baro meta	Wind.	Therm. Min 8 Max	Character.	Notes.	Rain 0.33
Sat. 22.	30.01	Var. Var. W. 1.	22½ 34 35	Overcast, & snow after a severe frost during night past. Finer after 11 am, and little sun. Foggy evening and night, & hard frost.		0.
Su. 23.	-07	W. 1. NW. 1. W. 1. Var. 0.	26½ 26½ 34	Fog, and keen frost, less fog after 10 am. Very bright calm & sharp air all the afternoon. Thicker evening, and night.		
M. 24.	-11	NW. 1. NW. ½. Var. 1.	29 34 37	Cloudy and thick, and thawing from 3 AM, and all the day. Overcast, & the evening rainy, but from 8 pm - a fine night.		04
Tu. 25.	-27	NE ½. NE 1. NE 1.	34 38 38	Cloudy and dark morning, and very gloomy all day with rain at times & some hail. Finer after 4 pm, but rain at 7.		11
W. 26.	-25	NE 2. N 1. N 1.	31½ 31½ 35	Little frost AM. Cloudy with snow after 8, and chiefly cloudy in the day, with snow at times. Fine evening.		0.
Th. 27.	-12	NE 1. NE 1. SE 1.	30 30 41½	Frosty & clear morning. Chiefly bright with some light clouds till 2 pm, then overcast & rainy. Even finer, night frosty.		08
Fr. 28.	-18	E 1. N 2. NW 1.	30½ 31 40	Hard frost AM. & partly clear, but after 7 more clouded with some sun. Little rain 3 pm. Clear and frosty evening.	Full moon 8.57 pm.	02
42217			2042605	Mean Temp 33° 17	Rain said up	0.58

4645 = 9¼° below Average.

# November 1879.

Nov.	Baro meta	Wind.	Therm. Min 8 Max	Character.	Notes.	Rain 0.59
Sat. 29.	30.02	NW 2. NW 2. N 2.	32 34 39	Clouds and haze, with bright intervals. Some slight frost & rain. Evening partly clear, and frosty, & more wind.		01
Su. 30.	29.87	NW 3. NW 4. NW 3.	27½ 29 31½	Sharp wind & frost all the morning, bright with flying clouds & keen wind all day. Little snow - 10 am, and from 8 pm at times in the night.		0.
11970			59.5 7.35	Mean these 2 days. 33° 2.		Rain 0.59

Barometer  
Highest on the 7<sup>th</sup> - 30.64  
Lowest on the 12<sup>th</sup> - 29.78  
Range 0.86  
Mean of Month 30.25

Thermometer  
Highest on 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup> & 18<sup>th</sup> - 50° -  
Lowest on 16<sup>th</sup>, & 22<sup>nd</sup> - 22½° -  
Range 27.5

Mean daily range 8° 11.  
Mean of Month 38° 55

Gale on 12<sup>th</sup>, and rough winds on the 11<sup>th</sup> and 30<sup>th</sup>, but none of the usual heavy southerly gales belonging to this month.

Prevailing winds NW, W, and NE. these 3 on 21 days.

Fine days 14, rain 11, snow 5, yet the Rainfall was 0.59 Inch only.

The first week of this month was mild and sometimes pleasant, and the same on 17<sup>th</sup> and 18<sup>th</sup>, but from the 11<sup>th</sup> to 16<sup>th</sup> and from the 19<sup>th</sup> to 30<sup>th</sup> cold with some keen frosts, and snow at times; but very little rain all the month.



# December 1879.

Dec.	Baro. meter	Wind.	Thermom. Min 8 Max	Character.	Notes.	Rain.
M. 1.	29.70	NW 3.	26			
		E 1.	27			
		E 2.	34			
	-90	Var 0.				
Tu. 2.	-97	Var 0.	9			
		SW 1.	10 1/2			
		SW 2.	27			
	-94	& 1.				
W. 3.	-91	Var 0.	19 1/2			
		E 1/2.	25			
		E 0.	29			
	-89					
Th. 4.	-75	E 1/2.	16			
		E 2.	24			
		SE 2.	30			
	-69	NE 3.				
Fr. 5.	-68	NW 1.	22			
		NW 1.	25			
		SSE 1.	30			
	-75					
Sat. 6.	-95	NW 0.	14 1/2			
		NW 0.	14 1/2			
	30.34	Var 0.	30			
Su. 7.	-46	Var 0.	5			
		Var 0.	5			
		SW 1.	26			
	-47	& 3.				
41940			112 206			

308 = 16 1/4° below Average!!

# December 1879.

Dec.	Baro. meter	Wind.	Thermom. Min 8 Max	Character.	Notes.	Rain none.
M. 8.	30.43	W 2.	18 1/2			
		NW 2.	32			
		NW 1.	36			
	-56	& 0.				
Tu. 9.	-62	NE 0.	25 1/2			
		NE 0.	27			
		SW 1/2.	32			
	-57	& 1.				
W. 10.	-45	SW 1.	27 1/2			
		W 1.	34			
		NW 1.	37			
	-52	& 0.				
Th. 11.	-57	W 0.	16			
		W 0.	16			
		W 0.	31			
	-62	Var 0.				
Fr. 12.	-62	Var 0.	21			
		NE 2.	30			
		NE 1.	35			
	-68					
Sat. 13.	-78	NE 0.	31 1/2			
		Var 0.	34			
		SW 0.	36 1/2			
	-72	SW 1/2.				
Su. 14.	-55	SW 1/2.	30 1/2			
		SW 1.	32			
		SW 1.	37			
	-52					
42821			17052445			

Highest Baro-  
meter of any  
week on record.

415 = nearly 11° below Average!



# December 1879.

Dec.	Baro meter	Wind	Thermom Min 8 Max	Character.	Notes.	Rain 0.02
M. 15.	30.48 -50	SW <sub>1</sub> SW <sub>1</sub> SW <sub>1</sub>	34 37 40	Cloudy, little fog, con- tinued thaw, and great fog in the afternoon and evening. Colder in the night.		
Tu. 16.	-55 -52	NW <sub>0</sub> NW <sub>1</sub> NW <sub>0</sub>	29 30 32	Very foggy morn'g, and slight frost. The whole day the same. Even'g rather clearer, and frost more.		
W. 17.	-56 -64	W <sub>2</sub> NW <sub>1</sub> NNW <sub>1</sub>	22 24 30	Fog and hard frost the entire day, and rime on the trees &c. but less frost during the night.		
Th. 18.	-62 -63	NE <sub>1</sub> NE <sub>2</sub> NE <sub>1</sub>	27 35 38	Fog and thaw clearer after 11, bright after- noon with some light clouds. Clear and frosty even'g and night.		
Fr. 19.	-63 -63	NE <sub>2</sub> NE <sub>1</sub> NE <sub>2</sub>	30 34 36	Gentle frost, and cloudy morn'g, afterwards fog more or less all the day, and gentle thaw. Cloudy night.		
Sat. 20.	-56 -50	E <sub>2</sub> E <sub>2</sub> ESE <sub>2</sub>	31 1/2 34 36	Slight frost early. Cloudy more or less all the day, but a more drying air, and a little more wind. Little frost at night.	Moon 1 1/2 11.16 am.	
Su. 21.	-42 -40	SE <sub>1</sub> S <sub>2</sub> S <sub>1</sub> SW <sub>1</sub>	30 31 31	Frost AM, very cloudy and gloomy. Continued cloudy and freezing all day. Foggy from 3pm all the evening.		
427.64				2035	243	Mean Temp 31.89. Rain cal'd up 0.02
446.5				More than 7° under the Average.		

# December 1879.

Dec.	Baro meter	Wind	Thermom Min 8 Max	Character.	Notes	Rain 0.02
M. 22.	30.54 -73	SW <sub>1</sub> SW <sub>1</sub> W <sub>0</sub>	28 37 41	Fog and thaw since last night's frost, clearer from 11 am, and bright afternoon. Frosty eve- ning, clear upward, and fog below.		
Tu. 23.	-76 -67	SE <sub>1</sub> SE <sub>2</sub> SE <sub>1</sub>	26 28 32 1/2	Hard frost, and fog throughout the day, and very little wind. Evening similar, but the night clearer.		
W. 24.	-44 -42	SW <sub>1</sub> SW <sub>2</sub> SW <sub>1</sub>	24 25 34	Clear, and hard frost, became foggy after 10, and afterwards cloudy with a gentle thaw. Evening clearer, and a frosty night.		
Th. 25.	-57 -63	W <sub>0</sub> W <sub>0</sub> Var 0.	25 25 36	Hard frost & fog in the morn'g, then bright all the day, & calm. Even'g very foggy, & continued frost.		
Fr. 26.	-61 -33	SE <sub>2</sub> SE <sub>2</sub> SE <sub>3</sub>	25 33 34	Sharp frost in the night past, a change & cloudy since, so continued all day, and more wind at evening.		
Sat. 27.	-48 -38	SE <sub>3</sub> SSE <sub>2</sub> SSE <sub>2</sub> S <sub>4</sub>	28 28 30	Cloudy & keen freezing wind, although southerly. Freezing more after 2 pm, & clearer in the even'g. Windy night.		
Su. 28.	-14 29.99 426.89	SW <sub>4</sub> SW <sub>3</sub> S <sub>5</sub> S <sub>2</sub>	27 43 52	Brisk wind, cloudy, golden thaw. Con- tinued cloudy all day, and also mild with brisk wind. warmest at 10 pm.	Full moon 4.16 pm.	
426.89				183	257.5	Mean Temp 31.6. Rain cal'd over 0.02
442.5				7 1/2° (nearly) under Average.		



# December 1879.

Dec.	Bar. meter	Wind	Therm. min. 8. max.	Character.	Notes.	Rain 0.02
M. 29.	30.04	S <sub>2</sub> SSW <sub>2</sub> SW <sub>3</sub> S. 6.	40 40 48	Clear moonlight morning and a bright sun till 11 am then hazy at times & light clouds, but partly bright evening very breezy.	Gale & rain 8-8 pm	03
Tu. 30.	29.90	W <sub>3</sub> SSW <sub>4</sub> SSW <sub>5</sub> SW <sub>6</sub>	34 39 43	Lowering and squally, with some flying rain at times, a very unsettled day. Blowing hard all night.		02
W. 31.	29.85	SW <sub>3</sub> SW <sub>4</sub> SW <sub>5</sub>	34 39 50	Stormy wind with rain at times, mild but very rough. Finer & less wind after 7, but rain in the night.		05 03
179.04			108 141.5	Mean last 3 days 41.58.		Rain 0.15

Barometer.	Thermometer.
Highest on the 13 <sup>th</sup> - 30.78!	Highest on the 28 <sup>th</sup> - 52°
Lowest on the 30 <sup>th</sup> - 29.65	Lowest on the 7 <sup>th</sup> - 5°
Range 1.13	Range 47°
Mean of the month 30.34	Mean daily range - 10.2
Gales on last four days.	Mean of the month 30.24
Prevailing winds S.W., N.W., N.E., and East.	8 <sup>3</sup> / <sub>4</sub> degrees below Average.
	Fine days 24, snow 2, rain 5.
	Rainfall only .15 of an Inch.

This was a severely cold and dry month to the 28<sup>th</sup>, and the mean temperature the lowest we ever before recorded in any December!

The Thermometer at York 4 <sup>1</sup>/<sub>2</sub> below Zero: at Ware the same, at Corbridge on Tyne 5 below, at Worksope nearly 6 below, and at Stamford 11 below Zero; while at Horncastle, Wakefield, Harlow, and Dunmow, it was exactly at Zero.

Bury St Edmunds & Thornham Hall at 2°, and here at Thwaite 5°!

## Summary for 1879.

Lowest Barometer Feb 10<sup>th</sup> - 29.03.  
Highest Ditto Dec 13<sup>th</sup> - 30.78!

Hottest day, July 30<sup>th</sup> - Therm 77 <sup>1</sup>/<sub>2</sub>°.  
Coldest day, Dec 7<sup>th</sup> - Therm 5°!

Fine days 219, and the Rainfall 27.82 In.  
nearly 17 of which fell from June 1<sup>st</sup> to  
Sept 30<sup>th</sup>!

The main character of this year was its  
coldness throughout, and its excessive  
wetness all the Summer Half, from the  
6<sup>th</sup> of April to the 3<sup>rd</sup> of October, then its  
great dryness to the year's end, combined  
with constant severe frost from the mid-  
dle of November to Dec 28<sup>th</sup>.

The disastrous Summer floods, with the  
very backward and deficient Harvest also  
will be ever remembered.



Results for 1879.

1879	Winds monthly.								Averages.			Rain in	Therm. outdoors		
Months	E	W	N	S	NE	SE	NW	SW	Fine Days	Barom	Therm range	Daily Inches	min	Max.	
Jan.	7	6	0	1	10	3	4	0	3	16	30.09	31.19	6.17	0.66	19½ 45
Feb.	2	2½	2	2	5	5½	2	7	2	14	29.67	37.36	7.50	3.07	24 54
March	2	1	0	3½	7	2	4	11½	3	21	30.06	40.91	12.74	1.00	28 59
April	2	3	3	3	7	7	2	3	1	14	29.81	43.95	13.70	2.16	28 62
May	1	2½	2	4	7	5½	3	6	3	23	30.09	49-	17.64	2.36	29½ 71
June	0	3	0	5	0	5	1	16	0	11	29.92	57.66	14.05	3.20	42 71
July	1	8	0	3	0	4	4½	10½	4	16	29.91	58.43	12.16	5.24	47 77½
Aug.	0	6	0	6	1	5	0	13	2	19	29.95	60.91	13.27	4.34	48 74
Sept.	4	4	0	4	3	3	4	8	1	22	30.07	56.18	13.40	4.19	40½ 71
Oct.	8	9	0	1	2	2	2	7	1	25	30.20	49.28	10.04	0.86	34 61½
Nov.	0	6	3	1	6	1	9	4	1	14	30.25	38.55	8.11	0.59	22½ 50
Dec.	4	3	0	1	4	3	5	11	4	24	30.34	30.24	10.20	0.15	5 52
1879.	31	54	10	34	52	46	40½	97	25	219	30.03	46.13	11.58	27.82	5 77½

Orlando Whistcraft

Dec 31<sup>st</sup> 1879.

January 1880.

Jan'y.	Baro.	Wind.	Thermom.	Character.	Notes.	Rain.
	meter		8. Max. Min. am			
Th. 1.	29.91	SW <sub>4</sub>	47	Great change, very mild & stormy morn'g. Warm bright & pleasant day. Crimson & gold lines at sunset over all the sky.	(Splendid tints at sunset)	.10
	30.05	SW <sub>2</sub>	52			
Fr. 2.	-07	SW <sub>4</sub>	48½	Very mild cloudy & blustering morn'g, drifting shower 10am: then fine, and a bright afternoon. Even'g clear & nearly calm.		.03
	-20	W <sub>3</sub>	51			
		W <sub>2</sub>	51			
		& 1.				
Sat. 3.	-42	SW <sub>3</sub>	38	Fine, breezy, & bright morning, and a very bright day throughout, and the evening also, but foggy in the night.		
	-52	WSW <sub>2</sub>	40			
		WSW <sub>2</sub>	46½			
		& 1.				
Su. 4.	-52	SW <sub>1</sub>	33	Very foggy morning, but from 10am, bright with light clouds all day. Foggy and frosty evening.		
	-48	WSW <sub>2</sub>	37			
		SW <sub>2</sub>	41½			
M. 5.	-51	S <sub>1</sub>	33	Fog till 8am, then clearer at times, sun & fog by turns, and the evening also foggy more or less. Little frost in the night.	moon last Dr 6. 49am.	
	-58	SE <sub>1</sub>	36			
		SE <sub>1</sub>	39½			
		& 0.				
Tu. 6.	-61	Var. 0.	30½	Little frost, & some fog in the morn'g, very thick and cloudy all day, the evening and night similar, and some fog.	Δ 0 3	
	-62	SW <sub>1</sub>	31			
		SW <sub>1</sub>	37			
W. 7.	-66	SE <sub>0</sub>	33½	Cloudy calm, and rather foggy nearly alike all the day, and the evening similar also.		
	-67	SE <sub>½</sub>	35			
		SW <sub>½</sub>	38½			
42.5	90		26353085	Mean Temp 40° 85.	Rain cald. over 0.13	
			572	= 3° above Average.		



January 1880.

Jan's	Barometer	Wind	Thermometer	Character	Notes	Rain
			Min 8 Max			
Th. 8.	30.63	SE <sub>1</sub>	35½		Cloudy and thick nearly alike all the day, but more wind in the afternoon than before.	
	-61	SE <sub>2</sub>	38		Cloudy night.	
Fr. 9.	-49	SE <sub>1</sub>	32		Cloudy till after 9 am, then partly bright, with grey clouds.	
	-59	SW <sub>1</sub>	35		Evening & night cloudy & a little frosty.	
Sat. 10.	-62	NE <sub>1</sub>	31½		Cloudy & slight frost in the morn'g, continued more or less cloudy all the day. Fine & cloudy night.	
	-63	E <sub>1</sub>	36			
Su. 11.	-63	E <sub>3</sub>	34		Cloudy, with a cold and drying wind, all day. Less wind in the evening and night & rather frosty.	new moon 10.40 am
	-64	E <sub>2</sub>	36			
Mon. 12.	-63	NE <sub>1</sub>	30		Little frost & a grey cloudiness, but chiefly bright, and more so in the afternoon. Clear evening and keen frost.	☐ ♀ H
	-64	E <sub>2</sub>	34			
Tu. 13.	-57	NE <sub>1</sub>	29½		Grey clouds & little frost in the morn'g, and cloudy all day.	Δ ♀ H
	-46	E <sub>1</sub>	32		Fine evenings & stars seen.	
W. 14.	-35	NW <sub>2</sub>	28		Cloudy & freezing, with a very keen and brisk wind, followed by snow at 3 pm for a short time, fine afterwards.	Snow fm.
	-32	NW <sub>3</sub>	30			
		NW <sub>2</sub>	30			
		E <sub>3</sub>				
427.81			218.5	259	Mean Temp 34° 1.	Rain 0.13
477.5					3½° below Average.	

January 1880.

Barometer		Thermometer		Character	Notes	Rain.
Jan 5.	Winds	Min.	8. Max.			
Th. 15.	30.28 -24	W <sub>2</sub> NW <sub>2</sub> NW <sub>1</sub> W <sub>1</sub>	28½ 33 37	Cloudy, little frost clear from 9 AM, and a very bright afternoon, with frosty air. Evenng more cloudy.	□ ♀ 24 Snow 8 pm	0.13
Fr. 16.	-12 -03	W <sub>1</sub> W <sub>1</sub> SW <sub>1</sub> Var.	29 30 37	Fog & frost in the morning, and continued very foggy all day, & nearly calm. Thawing in the afternoon, and evening, but frosty night.		
Sat. 17.	-12 -07	NE <sub>1</sub> NE <sub>2</sub> NW <sub>2</sub>	29 29 37	Gentle frost, bright morning, and continued bright all day, with some light clouds, and keen breeze. Frosty night.	□ ♀ 24	
Su. 18.	-02 -14	NW <sub>0</sub> W <sub>½</sub> W <sub>½</sub> NE <sub>0</sub>	24½ 25 35	Hard frost AM. Bright at first, but from 10 am thick and foggy all the day. Drifting sleet 8 pm from N.E.	(Sleet storm) 8 pm.	
M. 19.	-44 -59	NE <sub>1</sub> E <sub>2</sub> SE <sub>2</sub> E <sub>0</sub>	20½ 22 32	Clear & severe frost, bright through the day, with loose cumuli clouds, & keen air. Clear evening, & sharp frost.	moon 1 <sup>st</sup> 2 <sup>nd</sup> 6.40 pm. * ♀ 24	
Tu. 20.	-58 -61	W <sub>3</sub> W <sub>2</sub> 3.4. WSW <sub>1</sub>	22 27 33	Breezy early AM, & some clouds, but sharp frost, and became very bright, from 10 am all day, with a sharp breeze, but calmer evening.		
W. 21.	-59 -61	SW <sub>0</sub> W <sub>2</sub> W <sub>1</sub>	25 30 36½	Overcast & frost, but less than previous. Foggy day, with little sun at times, and chiefly foggy in the evening.		
424.44		178.52475		Mean Temp 30.42.	Rain cal. over 0.13	
426. — nearly 7° below Average.						



# January 1880.

Jan 5.	Baro. meter	Wind	Thermom. Min 8 Max	Character.	Notes.	Rain. 0.13
Th. 22.	30.34	WNW <sub>3</sub> NW <sub>3</sub> NW <sub>3</sub>	28 30 39 1/2	Cloudy, sharp wind and some snow in short showers during the day, and bright intervals. Even cloudy & blustering.		
Fr. 23.	32	NE <sub>1</sub> NE <sub>1</sub> N <sub>1</sub>	33 36 39	Cloudy and damp, with a little sleet at times in the morn, and cloudy & thawing all day. Fine, calm & cloudy night.		
Sat. 24.	31	Var. SW <sub>1/2</sub> Var <sub>1/2</sub>	32 34 37	Calm & cloudy all day and very gloomy, but fine. The even & night partially cloudy, but more frosty.		
Su. 25.	29	SW <sub>1</sub> SE <sub>2</sub> SE <sub>2</sub> 8/1	28 31 34 1/2	Grey clouds, and frost in the morn, and frosty air all day, with a grey & lofty cloudiness. Even rather clearer.	Δ 8 3	
M. 26.	32	E <sub>0</sub> ESE <sub>1</sub> SE <sub>1</sub>	24 26 36 1/2	Clear and hard frost am, very bright all day, and very slight wind. Clear sun set, and frosty even & night. Moon bright.		
Tu. 27.	38	E <sub>0</sub> NE <sub>1</sub> NE <sub>0</sub> E <sub>0</sub>	19 20 36	Severe frost and quite clear & calm morn. Very bright all day, but a sharp air. Clear & severe even & night.	Full moon 10.12 am.	
W. 28.	35	S <sub>1</sub> SSW <sub>1</sub> SSW <sub>1</sub> 8/0	18 1/2 20 30	Severe frost and fog, with a morn more or less all the day. The evening and the same.		
42.52.3			18.25.25.25	Mean Temp 31.07.	Rain cal up.	0.13.
435				64 below Average.		

# January 1880.

Jan 5.	Baro. meter	Wind	Thermom. Min 8 Max	Character.	Notes.	Rain 0.13
Th. 29.	30.23	SW <sub>2</sub> S <sub>2</sub> S <sub>4</sub>	21 24 33	Severe frost, fog and rime all the morning. Fog continued all day, but less frost. More wind in the even. Fog much less.		
Fr. 30.	22	SE <sub>2</sub> SE <sub>3</sub> SE <sub>2</sub>	25 1/2 33 44	Clear & frost in the morning, bright all day, and much milder from 9 am. Evening also fine and chiefly clear.		
Sat. 31.	39	SE <sub>1</sub> SE <sub>1</sub> S <sub>1</sub>	27 32 45	Clear & frost in the morning. Very bright day pleasant in the sun all midday. Hazy evening but stars seen.	* O H	
181.73			735/22	Mean Temp 32.58.		Rain 0.13

## Barometer

Highest on the 7<sup>th</sup> — 30.67

Lowest on the 1<sup>st</sup> — 29.91

Range 0.76

Mean of the month 30.40.

No Gale all the month.

Prevailing winds SE, SW, and NE.

## Thermometer

Highest on the 1<sup>st</sup> — 54.5.

Lowest on the 28<sup>th</sup> — 18.5

Range 36°

Mean daily range 8.34.

Mean of the month 33.96.

3 1/2° below the Average.

Fine days 27, rain 2, & snow 2. Rainfall only 0.13 of an Inche.

This Month was notable for its dryness throughout, and for the very severe frost from the 12<sup>th</sup> to the end. It was altogether the finest and driest January we ever recorded, and with an extremely high state of Barometer all the month. A very cold and dry period ever since the middle of November, 1879, and which still goes on.



# February 1880.

Feby	Baro meter	Wind.	Thermom Bin 8 Max	Character.	Notes.	Rain.
Su. 1.	30.37	W <sub>0</sub> .	26	Clear & hard frost A.M.		
		W <sub>2</sub> .	28	Very bright all the day, and nearly calm.		
	-34	S <sub>0</sub> .	45	Some fog in the night.		
M. 2.	-34	S <sub>0</sub> .	26½	Very foggy & hard frost.		
		SSW <sub>1</sub> .	29	a.m., bright but hazy day, and some clouds at times. Evening foggy and frosty.		
	-39	S <sub>1</sub> .	41½			
		S <sub>0</sub> .				
Tu. 3.	-46	SE <sub>0</sub> .	34½	Closer, & some fog, very moon last day, cloudy and thick all day, with a thaw.		
		S <sub>0</sub> .	37	The evening rather foggy but no frost.		
	-44	S <sub>2</sub> .	44			
W. 4.	-43	S <sub>0</sub> .	30½	Frosty & clear since midnight, very bright day, and a gentle wind.		
		S <sub>2</sub> .	32	Clear sunset, and frosty night throughout.		
	-37	S <sub>1</sub> .	45			
Th. 5.	-20	W <sub>0</sub> .	28	Hard frost A.M. Very bright till noon, more hazy P.M. but chiefly bright.		
		SE <sub>1</sub> .	29	Cloudy evening and more wind. Closer night.		
	-10	SE <sub>2</sub> .	42			
		S <sub>4</sub> .				
Fr. 6.	-03	S <sub>3</sub> .	36	Overcast and thawing.		
		S <sub>4</sub> .	41	Cloudy and thick all the day, brisk wind, & slight rain at times.		
	29.89	S <sub>4</sub> .	46	Lightning at night.		
Sat. 7.	-78	S <sub>3</sub> .	42	Mild, cloudy & little rain at intervals, a great change. Evening & night overcast and close, & a little wet at times.		.08
		S <sub>2</sub> .	45			
	-71	S <sub>3</sub> .	46½			
422.85		2235.310		Mean Temp 38° 1.		Rain cald up 0.08
				53.35 = 7/10 below Average.		

# February 1880.

Feby	Baro meter	Wind.	Thermom Bin 8 Max	Character.	Notes.	Rain. 0.08
Su. 8.	29.62	SE <sub>1</sub> .	42½	Overcast, mild & rainy morning, cloudy day, and little rain at times.		.18
		SW <sub>2</sub> .	45	Cleared off at 3 pm. Distant thunder at 4 in WNW.	(Thunder stormy evening. 4 pm WNW.)	.10
	-74	W <sub>1</sub> .	45½			
		NW <sub>1</sub> .				
M. 9.	-66	SE <sub>3</sub> .	33	Cloudy & squally morning, clearer after 11, blowing hard and cold for a south wind. Very galy evening, but calmer night.		
		S <sub>5</sub> .	38			
		S <sub>6</sub> .	44			
	-42	SSE <sub>6</sub> .				
Tu. 10.	-60	SW <sub>2</sub> .	40	Cloudy, & mild morning, but came partly bright after 10 and bright and pleasant afternoon. Fine & calm evening, & in part clear.	Mercur Moon 11.17 a.m. Snowdrops & Anemones appear.	
		SW <sub>1</sub> .	43			
	-64	W <sub>1</sub> .	47			
		NW <sub>0</sub> .				
W. 11.	-78	NW <sub>1</sub> .	33	Cloudy and thick morning, clearer after 11 a.m. clouds and sun. Evening chiefly cloudy, but a fine night and slight frost.		
		N <sub>2</sub> .	39			
	-88	N <sub>1</sub> .	44			
Th. 12.	-86	S <sub>2</sub> .	32	Cloudy, & some rain in the morning, finer from 10 a.m. and the afternoon bright. Fine night, & partly clear.		.06
		SW <sub>1</sub> .	37			
	-97	SW <sub>2</sub> .	47			
		SW <sub>1</sub> .				
Fr. 13.	30.22	SW <sub>1</sub> .	32½	Clear morning, little frost. Bright all day, some light clouds, and a very drying breeze. Calm & cloudy evening.		
		SW <sub>3</sub> .	35			
	-24	WSW <sub>1</sub> .	45			
		S <sub>0</sub> .				
Sat. 14.	-03	SE <sub>3</sub> .	33	Cloudy & blustering morning. Squally day, and a little rain at times, and more during the night, but less wind.	6 & 0	.03
		SSE <sub>5</sub> .	38			
	29.92	SSE <sub>5</sub> .	43			
		S <sub>3</sub> .				
417.58		2463.155		Mean Temp 40° 1.		Rain cald over 0.45
				56.15 = 1 1/10 above Average.		



# February 1880.

Feby.	Baro meter	Wind	Thermom Min 8 Max	Character	Notes	Rain 0.45
Su. 15.	29.91	S <sub>1</sub>	39		Rain early, close foggy morn'g, and cloudy day, more or less, & some rain at times. Blustering even'g. and night.	.07
	-71	S <sub>2</sub>	42			
		S <sub>4</sub>	43			.06
M. 16.	-50	SE <sub>4</sub>	39		Overcast & blustering morn'g, heavy gales in the day, & rain at times. Finer & clearer after 3 pm, and less wind. Milder air.	.21
	-17	S <sub>6.5</sub>	44			
		SSW <sub>3</sub>	47			
Tu. 17.	-07	S <sub>6</sub>	43		Stormy, galy & milder morn'g, squally shower & colder after 11 am, fine afternoon, light clouds & sun, with less wind. Finer night.	.13
	-50	SW <sub>5</sub>	49			
		W <sub>3</sub>	50			
		& 2.				
W. 18.	-52	S <sub>3</sub>	38½		Unsettled & lowering moon 1 <sup>st</sup> 2 <sup>nd</sup> all the forenoon, but 3. 36 am. the afternoon bright and pleasant. Blustering night, & rain at times	
	-60	S <sub>1</sub>	44			
		S <sub>3</sub>	51			
Th. 19.	-44	S <sub>3</sub>	45		Very mild, breezy & showery early AM, and shower at 9 am; partly bright in the afternoon, and a fine night.	.14
	-47	SSW <sub>3</sub>	51			.02
		SW <sub>4</sub>	52½		(Distant Thunder.	
		& 3.				
Fr. 20.	-50	SW <sub>3</sub>	46		Flying clouds & sun with a very brisk wind squally day & short drifting showers pm. Finer even'g & night.	.10
	-58	SW <sub>3</sub>	48			
		5. 6.	53½		Thunder near the Coast at Lowestoft &c	
		W <sub>3</sub>				
Sat. 21.	-79	WSW <sub>2</sub>	41½		Clouds and sun, fine bright, and drying day, till 3 pm, then cloudy and rain a few drops. close & calm even'g.	
	-86	SW <sub>2</sub>	44			
		SW <sub>2</sub>	51½			
		& 1.				
413.62		292.349		Mean Temp 45° 07.		Rain cal. up 1.18
		64.1		= 6 deg above Average.		

# February 1880.

Feby.	Baro meter	Wind	Thermom Min 8 Max	Character	Notes	Rain 1.18
Su. 22.	29.87	W <sub>0</sub>	32		Calm, clear, & frosty morn'g, chiefly bright all day with a few small clouds some dark electric clouds in the even'g. from 4 pm.	
	-90	Var. 0.	35		(Butterfly seen spotted red & brown)	
		E <sub>½</sub>	48½			
M. 23.	30.01	NE <sub>1</sub>	34½		Rainy morn'g, and conti- nued gloomy & dripping most of the day, and a northerly breeze. Foggy from 4 pm. Fine night.	.15
	-13	N <sub>2</sub>	38			
		NE <sub>2</sub>	41½			
Tu. 24.	-25	N <sub>1</sub>	36		Cloudy morn'g, & chilling breeze, but fine. The same all the day. Clearer eve- ning, and nearly calm.	
	-40	NE <sub>2</sub>	38			
		NE <sub>2</sub>	40			
W. 25.	-44	E <sub>0</sub>	29½		Calm & frosty morn'g, bright forenoon, hazy & milder afternoon. But more wind. Even'g clearer, with light, dappled clouds.	
	-28	W <sub>2</sub>	33			
		SW <sub>3</sub>	46			
		& 2.				
Th. 26.	29.87	W <sub>6</sub>	38		Gusty wind in the morn'g increased to heavy gales till moon- all day, with flying clouds. 1. 22 am. & sun mostly bright. Less wind from 3 pm.	
	-93	WNW <sub>6</sub>	43			
		WNW <sub>7</sub>	48			
		5. 4.				
Fr. 27.	-90	NW <sub>3</sub>	33		Bright morn'g, little haze, & rather bleak air. Hazy after 2 pm, & some rain a short time, but soon clearer. Fine & mild night.	.01
	-79	WNW <sub>2</sub>	36			
		W <sub>1</sub>				
		SW <sub>2</sub>	45½			
Sat. 28.	-59	SW <sub>3</sub>	40		Cloudy, and mild breezy morn'g. Blustering day with much cloud & little sun. Even'g partly clear & very little wind.	
	-72	WSW <sub>4</sub>	48			
		W <sub>4.2</sub>	52			
		W <sub>1</sub>				
419.98		243.3215		Mean Temp 40° 32.		Rain cal. over 1.34
		56.45		= 1 3/10 above Average.		

Su. 29.  
see over.



# February 1880.

Feb 5	Baro. meter	Wind	Thermom. Min. 8. Max.	Character.	Notes.	Rain 1.34
Su. 29	29.71	SW 2.	40	Bright morn'g, and a fine mild & sunny day till 3pm, then cloudy at times, and a mild and breezy night.	84 & Bats seen this evening.	
"	-72	SW 3. WSW 2.	45 55			
	59.43		40 55	Mean of this day 47° 5.	Total rain. 1.34	

Barometer.  
Highest on the 3<sup>rd</sup> - 30.46  
Lowest on the 17<sup>th</sup> - 29.07  
Range 1.39  
Mean of the month 29.88

Gales on 5 days.

Prevailing winds the S, and S.W.

Thermometer.  
Highest on the 29<sup>th</sup> - 55.  
Lowest on the 1<sup>st</sup> - 26.  
Range = 29° -  
Mean daily range = 10° 56.  
Mean of the month 41° 3.  
2<sup>3</sup>/<sub>10</sub> above the Average.

Fine days 19 in number, and the Rainfall 1.34 In.

The severe winter which set in Nov- 19. 1879 ended on the 5<sup>th</sup> of this month, after which it proved a mild month, and for the most part fine for the season, but sometimes galy, and some thunder storms in many places on the 8<sup>th</sup>, 19<sup>th</sup>, and 20<sup>th</sup>. The third week, and the close of the month were warm and genial so as to force on vegetable life, and to produce some appearance of Spring, earlier than for some past years. This was a cheering after such a winter, and so sad a year as the past.

# March 1880.

March.	Baro. meter	Wind	Thermom. Min. 8. Max.	Character.	Notes.	Rain.
M. 1.	29.57	S 4. SW 4. SW 6.	44 48 51	Mild but squally morn'g. Blustering with sun, & flying clouds during the day & little shower 5 1/2 pm colder night but fine.		.03 .02
	-53	4.3.2				
Tu. 2.	-51	SW 4. SW 6.7 SW 6.	35 41 51 1/2	Black wind & cloudy morn'g; heavy gales in the day, very cloudy, and a little rain at times. A stormy night.	Δ ♀ ♂	.02
	-43					
W. 3.	-40	SW 4. SW 6. W 4.2 W 5.	48 50 55	Storms of rain 3 AM. very blowing & mild. Bright afternoon, and less wind, but some stormy showers after 4 pm.	moon last. Dr 11.6 pm. Bats seen.	.16 .10
	-52					
Th. 4.	-75	W 3. W 4. W 2.	42 45 52	Hard rain early AM, then bright all the morn'g, and chiefly so all day, but some clouds. Even'g more tranquil, & a fine night.		.20
	30.05	8.1.				
Fr. 5.	-01	SW 4. SW 2. SW 2.	46 1/2 53 57 1/2	Cloudy & very mild morn'g, cleared after 10 am, very warm and pleasant day, and some sun. Fine and mild night.		
	-16					
Sat. 6.	-24	SW 2. SW 3. SW 1.	4 1/2 50 51	Close morn'g, & grey clouds, cooler after the day opened, and cloudy, but very fine. Calm even'g, and lightly cloudy.		
	-17					
Su. 7.	-12	SW 1. W 2. W 1.	44 49 58	Mild & partly bright morn'g, and a fine warm and spring-like day, with light clouds, and the even'g also cloudy.		
	-32					
	41.778	NE 1.2	30.7376	Mean Temp 48° 78.	Rain cal over 0.53	
			681	= 64° above Average.		



# March 1880.

March	Baro. inches	Wind	Thermom. Min 8 Max	Character	Notes	Rain. 0.53
M. 8.	30.53	ENE	35.5			
		E 2.	43		Light clouds and sun, with a very drying breeze, and a cloudy evening, but very fine night.	
	-37	E 2.	47			
Tu. 9.	39	E 1.	37		Bright, but hazy morn- fine and pleasant day, and chiefly bright.	
		SSE 1.	43		Sun set. cosy & clear.	
	-32	SE 1.	55		Very fine night.	
W. 10.	-22	S 1.	41		Fog early, then bright and warm, with some electric dappled clouds.	
		SW 2.	49		Sun set red in a grey haze. Fog in the night.	
	-29	SW 2.	56			
Th. 11.	45	W 0.	32.5		Fog early A.M., & till about 10. Then cloudy with gleams of sun.	new moon 0.47 am.
		Var 0.	40		Hazy at sunset, and in the night.	
	-53	NE 1.	4 1/2			
Fr. 12.	-50	E 2.	39		Overcast morn., conti- nued cloudy more or less, but the afternoon	
		E 3.	42		bright & a drying breeze.	
		E 3.	49		Sun set in beds of electric small clouds	
	-38	2. 1.				
Sat. 13.	-36	WNW 1.	40		Bright, all day, calm, warm and pleasant, real Spring day, and	Sharp light- ning & thunder A.M. in S.W. therm. in south part 102° at 1 pm. in full sun.
		Var 1.	44		Sun set in fullest splendour.	
	-39	N 1.	57			
		Var 0.				
Su. 14.	-35	NE 1.	35		Foggy morn., clearer from 11 am, and a bright afternoon.	
		NE 1.	38		Evening partly cloudy	
	-34	E 1.	50			
	425.62		260		Mean Temp 44° 39.	Rain cald up 0.53
			621.5		2 4/10° above Average.	

# March 1880.

March	Baro. inches	Wind	Thermom. Min 8 Max	Character	Notes	Rain. 0.53
M. 15.	30.36	E 1.	38		Hazy & cloudy morn., somewhat cloudy in the day, with partial sunshine. Very bleak evening, colder night.	340
		E 2.	41			
	-34	ENE 2.	48 1/2			
Tu. 16.	-21	E 1.	33		Cloudy and gloomy all day, more or less, and very slight gleams of sun. Even also overcast and cold.	
		E 2.	39			
	-19	E 1.	44			
W. 17.	-22	NE 2.	30		Clear & frosty morn., bright all day, and a very parching wind.	
		E 3.	38		Clear yellow sunset. & cold night.	
	-28	E 2.	48			
Th. 18.	42	NE 2.	29		Clear & frosty morn., continued very bright and parching, but warmer and pleasant in the sun.	
		E 2.	40		Clear sunset & less wind.	
	-47	E 2.	53		Cloudy after 8 pm.	
Fr. 19.	-45	E 2.	37		Cloudy morn., clearer after 9 am, then very bright the rest of the day, and very brilliant sunset. Fog at night.	moon 1 <sup>st</sup> 2 <sup>nd</sup> 0.36 am.
		E 1.	43			
	-42	E 1.	53			
Sat. 20.	-37	NE 1.	27		Fog & keen frost a.m. cloudy and cold till noon, brighter after- noon, but from 4 pm again cloudy.	
		NE 2.	29			
	-33	NE 2.	45			
Su. 21.	-41	NE 2.	33		Clouds & sun, with a cold air, but very fine and drying weather.	
		ENE 1.	41		some clouds & wind with a little snow in the night.	
	-39	E 2.	47			
	424.86		227		Mean Temp 40° 39.	Rain cald over 0.53
			565.5		Nearly 1 3/4 below Average.	



# March 1880.

March	Barometer	Wind	Thermometer	Character	Notes	Rain
M. 22.	30.42	NE 2	35		Little snow early AM, cloudy forenoon, and afternoon, but for the most part fine, and the evening bright moon-light.	0.53
		NE 2	39			
	-42	E 1.	45			
Tu. 23.	-40	NE 2	32		Cloudy morning, clearer after 10 am, clouds & sun, with a brisk cold wind, but brighter in the afternoon. Clear & very sunset.	
		NE 3.	40			
	-44	E 2.	46			
		E 1.				
W. 24.	-38	E 1.	30		Clear morning & hoar frost very bright and parching day throughout & much warmer than just previous. Clear golden sunset.	
		E 3.	41			
	-37	ESE 1.	53			
Th. 25.	-28	SE 2.	30		Clear & frosty morning, very bright and parching day, & warm in the sun. Clear orange sunset. Fog during night.	
		E 2.	42			
	-21	E 1.	57			
		8.0.				
Fr. 26.	-18	NE 1.	32		Fog early, then bright all day and very warm in the full sun, but a parching wind. Evening clear & tranquil.	Full moon 1.23 pm.
Good Friday.		E 2.	41			
		E 2.	58			
	-19	8.1.				
Sat. 27.	-23	NE 2.	36		Cloudy, and cold wind, but fine and very dry - ing as before. Clearer P.M. & a little sun. Cloudy evening.	
		NE 2.	38			
	-25	NE 2.	45			
		8.1.				
Su. 28.	-27	NE 1.	35		Cloudy till near 10 am. Then clearer, and the afternoon very bright, and nearly calm.	
Easter Day.		Var 1.	38			
	-22	NE 1.	51		Clear & red sunset.	
		SE 1.				
42 4' 26			230 356		Mean Temp 41° 85.	Rain 0.53

586 Only  $\frac{15}{100}$  below Average.

# March 1880.

March	Barometer	Wind	Thermometer	Character	Notes	Rain
M. 29.	30.15	SW 1.	30		Fog early, but clearer after 8. Bright with light clouds, & warmer P.M. Curled clouds before and after sunset. Cloudy at 8 pm.	0.53
		WSW 2.	38			
		W 2.	59			
	-09	8.1.				
Tu. 30.	-09	NE 1.	37		Hazy & thick morning, clearer after 9. Pleasant day, with sun and light clouds. Hazy and streaked sky at evening.	
		Var 1.	44			
	-05	SE 1.	58			
W. 31.	29.80	SE 2.	39		Hazy morning, cloudy and breezy forenoon. More boisterous at noon, but very mild, & little rain, more during night and gusty wind.	12
		SE 3.	46			
	-60	SSE 5.	59			
		S 3.				
179.78			106.176		Mean of last three days 47° 01.	Rain 0.65

## Barometer

Highest on the 8<sup>th</sup> 30.57.

Lowest on the 3<sup>rd</sup> 29.40

Range 1.17

Mean of month 30.198

Gales on 3 Days.

Prevailing currents the East and NE.

## Thermometer

Highest on the 31<sup>st</sup> 59°

Lowest on 20<sup>th</sup> am 27°

Range 32°

Mean daily range 15° 41

Mean of the month 44° 13.

More than 2° above Average.

Fine days 27 in number. Rain-fall only 6.5 of an inch.

This was a very fine month, no rain from the 4<sup>th</sup> to the 31<sup>st</sup> and the former half was mild, and growing. Much easterly wind most of the month, but although the nights were then cold, there were some warm and pleasant days, and on the 7<sup>th</sup> and 31<sup>st</sup> the Thermometer bordered on 60°. And in the Sun on 26<sup>th</sup> & 29<sup>th</sup> it was 111°!



# APRIL 1880.

April.	Bare meter	Wind.	Thermom. Min. 9. Max.	Character	Notes.	Rain.
Th. 1.	29.50	W 5. W 4. W 3.	40 45 52	Drifting showers in the morning early. Blue-tering day, clouds with little sun. Clear and cloudy by turns.		.18
Fr. 2.	-72 -39	SSW 2. S 4. SW 2. SW 1.	37 45 48	Cloudy morning, and gentle rain after 9 am. 6.13 am. Squally day & rain at times. Finer, & less wind after 3. Closer night.	moon last Dr 6.13 am.	.78 .03
Sat. 3.	-67 -70	SW 1. SW 2. SW 1.	44 53 61	Mild with clouds & sun a pleasant and growing day, and brighter in the afternoon. High shower 6 pm, & thunder.	Thunder at 6 pm. near 10.	.01
Su. 4.	-50 -43	S 3. SW 2. W 2.4 W 1.	49 54 56	Close morning, little sun, but mild. Squally showers after 1 pm. Finer from 3 pm, & more tranquil. Thunder in S, at 6. 20 pm.	Thunder 6.20 pm. S.	.12
M. 5.	-62 -54	SW 2. SW 3. SW 1.	38 48 56	Clear till 7 AM, afterwards clouds & sun, flying showers, and distant thunder with bright intervals. Very unsettled night.	Much Thunder N.W. & N.	.05 .03
Tu. 6.	-47 -49	SE 1. SW 1. SW 1.	35 45 52	Cloudy more or less till noon; bright and pleasant afternoon, & but little wind. Hasty shower 7 pm.	Distant thunder in SW all pm.	.10
W. 7.	-61 -71	SW 1. SW 1. S 3. 2. 1.	35 50 58	Bright with some rocky cumuli clouds at times till after 2 pm. Distant thunder S at 3 & 4 pm. Hazy evening, & night.	Thunder 3 pm.	
41430			278 383	Mean Temp 47° 21. Rain card up 0.70.		
			661	Slightly under Average.		

# APRIL 1880.

April.	Bare meter	Wind.	Thermom. Min. 9. Max.	Character	Notes.	Rain 0.70
Th. 8.	29.92	NE 1. NE 2. NE 2.	38 50 57	Foggy till after 9, then bright with rocky cumuli clouds all day, and a bright evening to sunset. Hazy night.	80 h	
Fr. 9.	-29 -32	NE 3. NE 3. NE 3.	40 45 47	Cloudy and cold wind new moon all day alike, but 3.7 pm fine. The evening the same as the day. Showery night.		
Sat. 10.	-28 -20	NE 2. NE 2. NE 1.	38 44 47	Cold and cloudy, with a little wetting at times, but less wind at evening. Cloudy and fine night.		.04
Su. 11.	-10 -06	ENE 1. E 2. E 2. E 1.	38 45 53	Cloudy morning, clearer after 9, then bright with cumuli clouds, the rest of the day. Evening more cloudy.		
M. 12.	-01 -01	E 2. E 1. ESE 1.	37 44 49½	Cloudy more or less all the morning, and continued near the same till 2 pm, then partly bright, & a very bright evening to sunset.		
Tu. 13.	-03 29.99	SE 1. SE 2. SE 1.	38½ 49 59	Closer & electric with clouds & sun, warm and pleasant from 10 till after 12, then breezy & more clouds. Hazy & tranquil evening.		
W. 14.	-90 -74	NE 1. NE 2. NE 2.	45 47 49	Cloudy, close & little rain early. Colder afterwards, very cloudy day, & rain at times. Finer evening & night.		.30
42101			27453615	Mean Temp 45° 42. Rain card over 1.04.		
			636	2¼° below Average.		



# APRIL 1880.

April	Baro. meter	Wind	Thermom. Min 9 Max	Character	Notes	Rain. 1.04
Th. 15. 29.83		NE 1. 42 E 1. 45 E 2. 47		Cloudy, and damp morn'g, some rain at noon, then finer for a short time. Again raining after 4, but a fine evening and night.	□ 3 3 (Distant thunder)	04 17
Fr. 16. -83		SE 1. 43 SW 2. 51 SW 1. 57		Mild morn'g, clouds, and sun, clearer after 11, fine and partly bright and pleasant afternoon. Even'g bright & calm.		
Sat. 17. -01		SE 1. 38 SE 3. 55 SE 2. 63		Clear morn'g, and con- tinued bright & warm with flying clouds & brisk air. Less wind at even'g, hazy streaked sky. - Clear night.	moon 1 <sup>st</sup> Dr 7. 14 pm. □ 4 3 Cuckoo sang, & (nightingale also.)	
Su. 18. 30.12		SE 1. 41 SSW 3. 55 SSW 1. 63		Clear morn'g and a very fine, bright, & growing day. The even'g simi- lar, but less wind.	(Butterflies abound.)	
M. 19. -11		SSE 2. 50 S 3. 4 S 2. 60		Bright with dappled ele- tric clouds: hot for the season, but breezy. Hazy & close after 1 pm. and similar during the night.	(Cuckoo again) sang.	
Tu. 20. 29.90		SW 2. 48 W 1. 50 WSW 2. 61 W 2. 61		Showery from 6 am. clearer after 10, and a warm & bright after- noon. Fine clear night.	Δ 3 0 Cuckoo sang much. (thunder N. 6 pm.)	12
W. 21. -13		W 2. 42 SW 3. 53 SW 4. 61 S 2. 61		Clear breezy morn'g, Partly bright with a haziness all day, and some clouds. A stormy looking sky at even'g.		
41992		3044185		Mean Temp 51° 6.	Rain over 1.37	
722.5 = 3 <sup>6</sup> / <sub>10</sub> above Average.						

# APRIL 1880.

April	Baro. meter	Wind	Thermom. Min 9 Max	Character	Notes	Rain. 1.37
Th. 22	29.89	SW <sub>3</sub> 4 1/2 SW <sub>2</sub> SW <sub>1</sub>	54 58	Warm breeze, clouds & sun, more clouds with some sun, fine growing day. Distant showers in the even'g of S & N. and some here at 6 pm. - Fine night.	(Distant thunder 5 pm.)	.03
Fr. 23	30.11	W <sub>2</sub> 3 9/16 W <sub>2</sub> W <sub>1</sub>	54 60	Clear morn'g, bright with cumuli clouds most of the day, and fine sunny evening. Night hazy at times, but fine.		
Sat. 24	-13	W <sub>2</sub> 4 5/16 W <sub>3</sub> WSW <sub>3</sub> SW <sub>2</sub>	54 58 1/2	Mild, cloudy & breezy. light sprinklings of rain at times, and some gentle rain at even'g. Night fine & clearer.	Full moon 10.50 pm.	.02
Su. 25	-01	W <sub>4</sub> 42 WNW <sub>3</sub> WNW <sub>2</sub> & 1.	53 58	Bright breezy morning and the day the same, with cumuli clouds. Evening more calm, and a fine night.		
M. 26	-09	NE <sub>1</sub> 41 NE <sub>2</sub> NE <sub>2</sub>	46 1/2 51	Clouds & sun, showers & hail fain, bright with clouds at times, but a cold stormy atmosphere. Finer night but not settled.		.01
Tu. 27	-23	N <sub>2</sub> 36 NE <sub>3</sub> NE <sub>2</sub>	46 49	Clouds & sun, cold and stormy atmosphere, & little showers. More sun from 2 pm. & in the eve- ning. Cloudy night.		
W. 28	-18	NE <sub>2</sub> 42 NE <sub>2</sub> N <sub>2</sub>	49 52	Cloudy with some sun, but chiefly cloudy, and cool for the season. - Evening the same, and breezy all night.		
42135		29333865		Mean Temp 48° 6. -	Rain over	1.43
680 = About the Average.						



# APRIL 1880.

April.	Baro. meter	Wind	Thermom. 9. am	Character	Notes.	Rain
Th. 29.	30.28	N 2. NE 2. ENE 3. 2. 1.	42 50 53	Cloudy & dry breeze, with sun clearer from 9 am, bright with some small cumuli clouds, all day, and a clear & cold evening.		1.43
Fr. 30.	30.51 30	NE 1. NE 2. E 1.	36 51	Cumuli clouds & sun, brighter after 10, and very bright and parching the rest of the day. Clear evening & less wind. Sun set in fullest lustre.		
12 180			78 1105	Mean last 2 days, 47° 12.	Rain 1.43	

Barometer.  
Highest on the 29<sup>th</sup> & 30<sup>th</sup> 30.51  
Lowest on the 4<sup>th</sup> 29.43  
Range 1.08  
Mean of month 29.97  
No Gales this month.

Thermometer.  
Highest on the 19<sup>th</sup> 66°  
Lowest on the 6<sup>th</sup> & 7<sup>th</sup> 35°  
Range 31°  
Mean of month 48° 13  
Mean daily range 14° 41  
About the true corrected mean.

Prevailing winds, the S.W., and the N.E.

Fine days 19 in number.  
Rainfall 1.43 Inchs.

This was a fine month for labour, and a growing time for vegetation up to the 25<sup>th</sup> with but little exception, but cold N.E. winds returned near the end, which was an untimely check to further progress.

# MAY 1880.

May.	Baro. meter	Wind	Thermom. 9. am	Character	Notes.	Rain.
Sat. 1.	30.38	E 1. E 2. S E 2. 8 1.	34 47 55	Cloudy, tranquil morning, more wind in the day, & cloudy, with little sun. Brighter after 3 pm, & till sunset. Clouds afterwards.	6 2 1/2 noon last Dr 1.53 pm. Cuckoo sang much.	
Su. 2.	30.04	ESE 1. E 2. E 1.	38 54 61	Bright with light clouds. From 10 am became quite clear, very bright day, but a cool wind. Very brilliant & set.		
M. 3.	29.97 -84	NE 2. NE 2. E 2.	42 1/2 48 1/2 56	Foggy morning then cloudy, but after 10 am clearer, some sun, but many clouds at times, and the night also cloudy.		
Tu. 4.	30.01	NNW 2. NNW 2. NNW 2.	45 50 57	Clouds & sun, but for the most part cloudy and rather cool. The evening the same as the day.		
W. 5.	-08 -11	NNW 2. NW 2. NW 2.	45 47 48	Cloudy & light rain between 5 and 8 am, and at times in the day. Gloomy and cold for the season. Fine night.		.08
Th. 6.	-12 -13	NE 3. NE 2. NE 1.	43 47 56	Cloudy morning, clearer after 10, bright with some clouds, & in the afternoon very bright & clouds gone. Evening also clear.		
Fr. 7.	-18 -20	NE 2. N 3. NE 1.	38 50 53	Clouds & sun with a brisk, and cold wind for the season. Evening brighter, and less wind.		
42 115			2853 386	Mean Temp 47° 96.	Rain and over 0.08	
			67 1.5	6 1/2 below Average.		



# MAY 1880.

May	Baro. meter	Wind	Thermom. Min 9. Max	Character.	Notes	Rain 0.08
Sat. 8.	30.22	N 1.	38	Clouds & sun, with a gentle wind, but fine, rather more wind in the afternoon.		
	-24	N 2.	53	Bright evening.		
Su. 9.	-36	NE 2.	35	Clouds & sun with new moon a very cool breeze, 6. 16 am.		
	-33	NE 2.	51	and more clouded in the afternoon.		
		NE 1.	54	Even? clearer.		
M. 10.	-23	NE 1.	41	Cloudy morn'g, little rain, and the day cloudy more or less light rain at intervals, & in the night.		02
	-12	S 1.	47			
Tu. 11.	-07	SE 1.	43	Rain early AM, fine after sunrise, rocky clouds and sun. Brighter after-noon, but more wind.		13
	-07	E 2.	51	Blue haze from SE, after 7 pm.		
		ESE 2.	59			
W. 12.	-12	E 3.	42	Bright with stiff breeze, and electric clouds very parching day and bright evening.		
	-17	E 2.	54	but cloudy night.		
Th. 13.	-23	NE 2.	42	Grey clouds & sun in the morning, bright day, warm sun, and brisk wind. Evening rather hazy, & night also		
	-28	NE 2.	56			
Fr. 14.	-23	E 2.	45	Bright, warm, and lovely morn'g, and a bright and hot day, and brilliant evening. Night cloudy.	Hawthorn bloomed.	
	-23	E 2.	61			
		ESE 2.	70			
		E 2.				
422.90				287.409	Mean Temp 49.714	Rain cald up 0.23
				696	= 4 1/2 below Average.	

# MAY 1880.

May	Baro. meter	Wind	Thermom. Min 9. Max	Character.	Notes.	Rain 0.23
Sat. 15.	30.22	NE 2.	48	Bright, with a few light clouds, in the morn'g, and from 9 AM, very bright, & hot, with a parching breeze.		
	-22	ENE 2.	62	Even'g bright, but cooler.		
		NE 2.	68			
Su. 16.	-26	NE 2.	44	Clouds and sun in the morn'g, very bright from 10 am, all day, but a very cool breeze.	Hawthorn full bloomed.	
Whitsunday.	-29	NE 3.	55	Chiefly cloudy in the night.		
		NE 2.	59			
M. 17.	-33	NE 2.	43	Clouds and sun, but after 10 - chiefly bright with a very cool wind.	moon 1 1/2 10.24 am.	
	-35	NE 2.	49	Even'g also very bright but the night unsettled		
		NE 2.	57			
Tu. 18.	-34	NE 1.	41	Shower at 2 AM. Fine with clouds & sun after daylight, and through the day, but a very cold wind, and frosty night.		04
	-33	NE 2.	53			
		NE 2.	55			
W. 19.	-32	Var.	33	Hoar frost early AM. Hazy morn'g, & very thick after 11 am, and gentle rain in the afternoon, and part of the evening. Night foggy.		06
	-18	SW 2.	51			
		SW 2.	57			
		W 1.				
Th. 20.	-23	NW 1.	49	Close & cloudy morn'g but after 8, bright with light clouds, and more electric & cloudy PM.	6 8 9	
	-33	NE 2.	62	The evening again bright & more serene.		
		Var. 1.	65			
		N 1.				
Fr. 21.	-30	NE 1.	44	Hazy, grey clouds & sun, clearer after 10, bright and hot day, with a few light clouds. Hazy & closer night.		
	-20	W 2.	59			
		W 1.	71			
		SE 1.				
423.90				302.4325	Mean Temp 52.46.	Rain cald over 0.33
				734.5	= 1 3/4 below Average.	



# MAY 1880.

May	Baro inches	Wind	Thermom Min. 9. Max.	Character	Notes	Rain 0.33
Sat. 22.	29.94	WSW <sub>3</sub> WSW <sub>3</sub> W <sub>3</sub> -88 & 2.	52 60 64½	Hazy morn'g, warm breeze, cloudy & little sun in the forenoon. Squally & slight shower pm. Fine even'g, but hazy.	□ 87	.01
Su. 23.	30.01 29.95	W <sub>2</sub> W <sub>2-3</sub> SW <sub>3</sub> 4.	46 59 62	Hazy with some dusky clouds, and sun at times, an unsettled sky. Thun- der in SW. 3 pm. Hazy & cloudy even'g.	(distant thunder.)	
Mon. 24.	-90 30.04	SW <sub>4</sub> SW <sub>5</sub> WSW <sub>5</sub> 4. 2.	51 60 67½	Very blustering, but warm, flying clouds and bright sun at times. Less wind in the even'g. Close night.	Full moon 6.39 am.	
Tu. 25.	-14 -17	SW <sub>2</sub> SW <sub>2</sub> SW <sub>1</sub> 1.	52½ 62 70	Fog clouds & sun, with a warm air. Close and electric hot afternoon. Brighter from 2 pm, and all even'g. Sultry night.		
W. 26.	-07 -06	SW <sub>2</sub> SW <sub>2</sub> SSW <sub>2</sub> Var. 1.	51 69 81	Sultry morn'g, curdled & hazy with some sun. Very hot & oppressive day, & at times bright; thun- der, lightning, & showers during night.	(Great heat & sultriness. noon 77° 1 pm 79° 3 pm 81° Thunder & lightning.)	.03
Th. 27.	29.82 30.07	SSE <sub>2</sub> S <sub>3</sub> SW <sub>5</sub> W <sub>2</sub> NW <sub>2</sub>	58 71 73½	Thunder-storm 3½ am. Hot morn'g, clouds & sun, and strong breeze. Afternoon more cloudy. Gentle rain at even'g. but a fine night.	(Thunder.)	.04
Fr. 28.	-23 -36	W <sub>1</sub> W <sub>4</sub> W <sub>2</sub>	46 60 62	Cloudy morn'g, clearer after 9, sun at times, but thunder showers in the S, SE, & E. Even'g more settled, but cooler.	(Thunder.)	.04
420.64		35654805		Mean Temp 59° 78.		Rain cal'd up 0.45
837 = 5 ¼ above Average.						

# MAY 1880.

May	Baro inches	Wind	Thermom Min. 9. Max.	Character	Notes	Rain 0.45
Sat. 29.	30.52	W <sub>3</sub> WNW <sub>2</sub> NW <sub>2</sub> -54 Var. 0.	42½ 57 61	Clouds and sun, with a cool breeze, and a stormy looking sky, although so high a Baromt. Cool night, but very fine.		
Su. 30.	30.48	E <sub>1</sub> SSE <sub>2</sub> S <sub>2</sub> -36 SSE <sub>1</sub>	37 60 66	Bright with some clouds and a fresh breeze. Fine and pleasant day. Evening rather hazy, and some clouds.	Moon last Dr 10.33 pm.	
M. 31.	30.25	SE <sub>1</sub> SE <sub>2</sub> -23 E <sub>1</sub>	48 58 65½	Hazy & closer morning, the day mostly bright, with mixed electric clouds. Very bright & parching from noon till even.		
182.38		12751925		Mean Temp 3 days 53° 33.		Rain 0.45
Barometer.				Thermometer.		
Highest on the 29 <sup>th</sup> 30.54				Highest on the 26 <sup>th</sup> 81°—		
Lowest on the 27 <sup>th</sup> 29.82				Lowest on the 19 <sup>th</sup> am 33°—		
Range 0.72				Range 48°—		
Mean of month 30.17				Mean daily range 17° 48		
				Mean of Month 52° 56.		
Gales on 2 days. —				Nearly 2° below Average.		
Prevailing currents the NE, the rest much distributed SW. W. NW & E.				Fine days 23 in number, Rainfall only .45 of an Inch		

This was a very dry and fine month, but vari-  
able in Temperature. Some very warm days, and  
vegetation at a medium, but earlier than in  
the four previous years. Great need of rain, as  
only 4 Inches have fallen since the year came  
in!



JUNE \* 1880.

June.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain.
Tu. 1.	30.27 -19	E 2. NE 3. NE 2. 41.	48½ 60 61	Bright, but hazy in the morning, but from 10 am, cloudy and cool. Some rain P.M., and the evening drizzly.		.02
W. 2.	-19 -12	NE 2. NE 2. NE 1.	50 53 55	Gentle rain early am, finer but cool and very cloudy in the day, but rather clearer in the evening.		.10
Th. 3.	-01 29.97	E 1. NE 1. N 2.	50 55 55	Cloudy, with slight rain at intervals. Very gloomy & cool for the season. More rain after 12 pm.		.02
Fr. 4.	-93 30.06	N 2. NNE 3. NNE 3. N 2.	48 52 55	Short heavy showers at 1 am. Clouds & sun in the day, & cold breeze with flying showers. Cold night, hail shower.		.20 01
Sat. 5.	-05 -02	NW 3. NW 3. WNW 2. W 2.	37½ 53 59½	Cold anornng, and a very cool breeze in the day, with clouds and sun. Evenng cloudy, and rain at times all night.		
Su. 6.	29.93 -90	W 2. WNW 3. WNW 3. 4. 5.	49 53½ 61½	Rainy morning till 7, cloudy forenoon, tho afternoon partly bright, with a cool breeze. Less wind at night.		.18
M. 7.	-81 -64	SW 1. SW 2. W 4. 5. W 2.	46½ 51 58	Rain after 5 am, and zero moon at times till 11 am, then 9.55 pm. Equally with thunder showers till 1 pm, after wards bright & windy.		.28 .10
420.09		329.5405		Mean Temp 52.46.		Rain card up 0.91
7345 = 7° below Average.						

JUNE 1880.

June.	Baro meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain.
						0.91
Tu. 8.	29.90 -88	SW <sub>2</sub> SW <sub>3</sub> SW <sub>4</sub> 2. 1.	45 53 59	Cloudy morn'g. and con- tinued so all the fore- noon, followed by storms of rain after 2 pm. (Thunder Bright after 3. N.W.		.16 .01
W. 9.	-93 -92	SW <sub>1</sub> SSW <sub>2</sub> S <sub>2</sub> & 1.	41 56 59	Bright morn'g, but be- came hazy & cloudy in the P.M. Little rain in the even'g, but the night finer.		10
Th. 10.	-94 -98	E <sub>1</sub> E <sub>1</sub> S E <sub>1</sub>	45½ 54 6½	Many clouds, and but little sun, but after 4 pm bright, and the even'g. the same. Cloudy night.		
Fr. 11.	-99 30.04	E <sub>2</sub> NE <sub>2</sub> NE <sub>2</sub> & 1.	47 54 59	Cloudy more or less, very little sun, but brighter after 5 pm. Cloudy again in the night, but fine.		
Sat. 12.	-09 -13	N <sub>1</sub> NW <sub>1</sub> NW <sub>1</sub> Var. 0	51 56 64	Cloudy and close till after 2 pm, then clearer and bright, calm, and pleasant from 3 pm. & a warm evening.		
Su. 13.	-13 -14	NW <sub>1</sub> W <sub>2</sub> SW <sub>1</sub> W <sub>1</sub>	44 67 74	Bright & lovely morn'g, and continued bright, and hot all day, few small clouds & gentle wind. Close electric even'g		
M. 14.	-14 -15	NW½ Var. 1. NW <sub>2</sub> N <sub>1</sub>	54½ 70 75	Sultry morn'g, with electric clouds & sun. Clearer from 8 am & very hot, but some rocky clouds at times Distant Thunder S.E. (Thunder at 5 pm. Cloudy night. 5 pm.		
420.36		328 4515		Mean Temp 55.67 Rain cal. over 1.18		
		7.795		4½° below Average.		



# JUNE 1880.

June	Bare meter	Wind.	Thermom. 9. Max	Character	Notes.	Rain. 1.18
Tu. 15.	30.5	NW <sub>2</sub>	52		Thick haze, & light rain at intervals, cooler after 9 am, comparatively, and rainy afternoon & evening.	52
		NW <sub>3</sub>	55			
	-05	NW <sub>1</sub>	55			
W. 16.	-02	NE <sub>1</sub>	52		Rain 7 am, close morning, and cloudy; very cloudy all day, and damp but fine. Clearer sky after 7 pm. Close night.	30
		E <sub>2</sub>	59			
	-18	ESE <sub>2</sub>	59			
		& 1.				
Th. 17.	-23	NE <sub>1</sub>	52		Fog till after 8, then clearer, and bright & hot, with light clouds, and parching wind. —	* ON
		E <sub>2</sub>	63		Evening also bright. —	
	-24	E <sub>3</sub>	71			
		2 & 1.				
Fr. 18.	-17	E <sub>2</sub>	52		Bright and hot, with dappled electric clouds, and a fresh breeze. —	
		E <sub>2</sub>	66		Evening very bright, and wind nearly calm. —	
	-04	E <sub>1</sub>	72			
Sat. 19.	29.88	E <sub>1</sub>	52.2		Sultry morning, and thunder storms at 11, more in the west. Afternoon again bright, & the evening also fine night. (Thunder)	08
		SSE <sub>2</sub>	69			
	-89	SSE <sub>1</sub>	73			
Su. 20.	-80	SE <sub>2</sub>	53		Close morning, mottled lines of cloud, then rain at 9, and distant thunder. Afternoon chiefly bright, and a fine evening & night. (Thunder)	09
		SE <sub>2</sub>	64			
	-78	SSE <sub>1</sub>	71			
		S <sub>1</sub>				
M. 21.	-84	SW <sub>1</sub>	54.2		Bright with light clouds, hot, seasonable morning, and near the same all the day. Very bright evening & fine night.	
		SW <sub>2</sub>	65			
	-85	S <sub>2</sub>	72			
		SE <sub>2</sub>				
420.12			368.473	Mean Temp. 60.07.		Rain cal. over 2.17
		841		About the Average.		

# JUNE 1880.

June	Bare meter	Wind.	Thermom. 9. Max	Character	Notes.	Rain. 2.17
Tu. 22.	29.86	E <sub>1</sub>	49		Hazy with electric clouds & sun, warm & pleasant. Distant thunder in west, & heavy storm 6 1/2 pm from NW, & rain at 8.	52
		E <sub>1</sub>	64			Full moon 1.46 pm. (Thunder) 20
	-91	SE <sub>1</sub>	70			
		Var. 1.				
W. 23.	-88	Var. 1/2	55		Fog, then rain at times till after 1 pm. Distant Thunder. Blue haze and some showers. Hazy but fine night.	13
		W 1/2	59			08
	-88	W 1/2	6 1/2			
Th. 24.	-83	W 1/2	53 1/2		Cloudy, rain at 8 am, close with distant thunder in the forenoon. Thunder shower here at 11.30. Fine & sunny from 1 to 4 pm. (much Thunder.)	15
		SW 1/2	58		Evening cloudy & some rain.	10
	-89	NW 1				
		SW 1/2				
Fr. 25.	-92	SW 1/2	5 1/2		Low clouds & close morning. clearer after 9 am, some sun till noon; cloudy & rainy afternoon till 3 pm. Finer evening, and clear at sunset. —	08
		Var. 1/2	59			
	-95	SE <sub>2</sub>	65			
		SE <sub>1</sub>				
Sat. 26.	-96	SW 1/2	52		Fog till 7, then cloudy with gleams of sun, but the afternoon bright & very warm & calm. Blue haze at night.	
		Var. 1/2	61			
	30.12	SE 1/2	68			
Su. 27.	-24	W <sub>1</sub>	51		Bright and hot with light clouds, and a fresh breeze. — Very breezy all the night, and very warm, and no dew. —	
		W <sub>2</sub>	66			
	-29	W <sub>2</sub>	7 1/2			
		& 3.				
M. 28.	-25	W <sub>3</sub>	58		Warm and breezy morning, with light clouds, and a bright and hot afternoon. Close evening, and rather hazy.	
		WSW <sub>3</sub>	66			
	-28	SW <sub>2</sub>	72			
		SW <sub>2</sub>				
420.26			373.4705	Mean Temp. 60.25.		Rain cal. over 3.43
		843.5		Slightly over Average.		



# JUNE 1880.

June	Baro meter	Wind	Thermom Min. 9. Max.	Character	Notes	Rain 3.43
Tu. 29.	30.22 -11	SW <sub>2</sub> . SW <sub>2</sub> . SW <sub>1</sub> .	56½ 65 74		Light clouds & sun, moon last hr warm & pleasant, with a gentle wind, the afternoon bright & hot; the evening the same. (sun set in full lustre.)	
W. 30.	29.97 -88	S <sub>1</sub> . SSW <sub>1</sub> . SW <sub>2</sub> . & 1.	53 64 75		Close & hazy morn'g, clearer after 9, and from 11 am bright & hot all the afternoon & evening. Dappled sky in SW & S.	Δ48
120.18		109.5 14.9		Mean of these two days = 64.625. Rain 3.43		

## Barometer.

Highest on the 27<sup>th</sup> = 30.29  
Lowest on the 7<sup>th</sup> = 29.64  
Range = 0.65  
Mean of Month 30.01.

A gale on the 7<sup>th</sup>.

Prevailing winds SW, and E. but much divided.

## Thermometer.

Highest on the 14<sup>th</sup> & 30<sup>th</sup> = 75.°  
Lowest on 5<sup>th</sup> morn'g = 37.5  
Range = 37.5  
Mean daily range 13.31  
Mean of Month 57.6

About 3¼ below Average.

Fine days 15 in number  
Rainfall 3.43 Inches.

This was a very forcing month, just suiting all vegetation, and from the 12<sup>th</sup> to the end a good summer temperature. The Midsummer storms were severe from the 22<sup>nd</sup> to the 25<sup>th</sup>, then very fine and hot again to the end. The rain this month was a very gracious supply, after the great dryness of so many previous months.

# JULY 1880.

July	Baro meter	Wind	Thermom Min. 9. Max.	Character	Notes	Rain
Th. 1.	29.83 -81	SW <sub>2</sub> . SW <sub>1</sub> . W <sub>2</sub> . W <sub>1</sub> .	59½ 65 67		Close morn'g, rain at 10 am and showery at noon, with thunder eastward. Showery P.M. again till 5, then fine & clearer in the evening.	24
Fr. 2.	-90 -87	SW <sub>1</sub> . SW <sub>2</sub> . S <sub>3</sub> .	51 63 69		Bright morn'g, light clouds, fine & pleasant till 3 pm, (thunder) then a flying thunder shower, cloudy evening & breezy, & warm all night.	03
Sat. 3.	-89 -80	SSW <sub>2</sub> . SW <sub>2</sub> . SW <sub>2</sub> .	57 62 69		Close morn'g, little rain at 7, bright forenoon with rocky cumuli, showery 1 pm, with thunder NW, and unsettled evening.	14
Su. 4.	-88 30.11	W <sub>2</sub> . NW <sub>3</sub> . NW <sub>4</sub> . 3 & 2.	54 61 61		Squally showers all the morn'g, and hard rain from 10½ am most of the day. Finer evening, and clearer night.	68
M. 5.	-21 -22	NW <sub>2</sub> . W <sub>2</sub> . W <sub>3</sub> . 2. 1.	45½ 62 69½		Bright with some clouds. Continued bright and warm with light clouds, and a drying breeze. Tranquil evening.	
Tu. 6.	-16 -07	SW <sub>1</sub> . SW <sub>2</sub> . SW <sub>1</sub> .	52 62 64		Hazy & mottled morn'g sky, and chiefly cloudy most of the day. Slight rain at times in the afternoon. Clear evening. Close but fine night.	04
W. 7.	29.90 -75	SW <sub>2</sub> . SSW <sub>2</sub> . S <sub>2</sub> . SW <sub>2</sub> . 1 & 0.	55½ 60 64		Close & cloudy morn'g - new moon rising, nearly the same 1.21 pm. all day, & but little sun. Brighter after 4 pm, but showery at 7. Sun set clear & rosy.	08
419.40		374.5 46.35		Mean Temp 59.857. Rain over 1.21		
		838		3¼° below Average.		



# JULY 1880.

July.	Baro meter	Wind	Thermom. Min. 9. Max.	Character	Notes	Rain 1.21
Th. 8.	29.75 -80	SW <sub>3</sub> SW <sub>2</sub> SSW <sub>1</sub>	50 61 66	Clouds & sun, some thunder at a distance. Evening chiefly bright, and a fine & warm night.		
Fr. 9.	-88 -93	SSW <sub>2</sub> SSW <sub>2</sub> S <sub>3</sub> S <sub>2.1</sub>	54½ 63 67½	Bright morn'g, and for the most part so in the day, but some flying showers, & more at a distance, with some thunder. (Thunder)	.02	
Sat. 10.	-94 30.03	SW <sub>½</sub> SW <sub>½</sub> SW <sub>1</sub>	54 62 71	Calm & close morn'g, bright after 8, all day, and hot with rocky cumuli. Thunder in West 2.30 pm. & a shower here at 3, fine night.	.02	
Su. 11.	-18 -22	W <sub>2</sub> W <sub>2</sub> SW <sub>1</sub> 8.0.	52 65 71½	Clear morn'g, and chiefly bright & hot through the day, with some rocky cumuli till 4 pm, then thunder in W, & a hard shower here at 4½ pm. Close night.	.20	
M. 12.	-24 -26	SW <sub>0</sub> W <sub>1</sub> SW <sub>1</sub> SW <sub>½</sub>	57 64 69	Close morn'g, small electric clouds, bright after 8, and till noon. & very warm. Cloudy PM, but again brighter in the evening. Hazy sky at night.		
Tu. 13.	-26 -23	SW <sub>½</sub> SW <sub>1</sub> SSE <sub>2</sub> S <sub>1</sub>	55 64 70	Close & hazy morn'g, clearer after 8, cumuli & hot sun, pleasant summer day with some haziness. Evening chiefly bright.		
W. 14.	-25 -19	SE <sub>½</sub> S <sub>1</sub> SE <sub>2</sub> E <sub>1</sub>	53 60 71	Bright at 5 am. Then close with dark clouds, & hard rain at 7 to 8 am, afterwards fine with clouds & sun much thunder, westward and at night lightning NW.	.20	
42176 3755486 Mean Temp 61.53. Rain 1.65						

861.5 = 2° below Average.

# JULY 1880.

July.	Baro meter	Wind	Thermom. Min. 9. Max.	Character	Notes	Rain 1.65
Th. 15.	30.08 -14	SE <sub>2</sub> SE <sub>½</sub> SE <sub>½</sub>	56½ 64 78	Sultry & hazy morn'g, rain & thunder at 8 am bright & very hot from 10 am all day, and the evening very hot and brilliant also. Sultry night.	moon 1st 6.16 am. (thunder)	.10
Fr. 16.	-20 -21	E <sub>½</sub> SE <sub>½</sub> SE <sub>1</sub> E <sub>1</sub>	59 72 79	Thunder storm in NW, at 4 to 6 am. Shower here at 7 very hot & bright from 8 am distant. Thunder in west in the evening, but a fine night.	Δ 248 (Thunder)	.10
Sat. 17.	-17 -11	NW <sub>2</sub> NW <sub>1</sub> Var. 0. SE <sub>2</sub>	57½ 63 75	Foggy till 8 am, close and cloudy till 10, then bright. & very hot till near 5 pm. Thunder-storm West 6 pm. foggy night.	(Thunder)	.03
Su. 18.	-05 -08	SW <sub>2</sub> WSW <sub>2</sub> WSW <sub>3</sub> 2.1.	60 67 74½	Shower & thunder before 1 am. Bright & hot with light clouds, & a breeze all day. Sudden heavy shower 6.15 pm, then fine all night.	(Thunder)	.12
M. 19.	-11 -13	W <sub>2</sub> WSW <sub>2</sub> WSW <sub>2</sub> WSW <sub>2</sub>	58½ 66 71	Breezy with sun and clouds. Unsettled and little showers after 11 am, & during the afternoon a thunder-shower in North at 6½ pm. Fine night.	□ 72 (Thunder)	.04
Tu. 20.	-15 -23	W <sub>1</sub> W <sub>1</sub> Var. 0. E <sub>0</sub>	54 66 71	Bright with light clouds, and from 8 am, very bright, and hot till noon, then a little shower, again very bright all pm, & golden sunset.	(Thunder)	.02
W. 21.	-22 -16	SE <sub>1</sub> SE <sub>1</sub> Var. 0	48 64 73	Clouds & sun, and hot till noon. Gentle rain from 1 to 2½ pm & again after 3. Fine but hazy evening, and night.	Full moon 9.2 pm. □ 07	.14
42204 39355215 Mean Temp 65.35. Rain 2.20						

915 = 1½° above Average.



# JULY 1880.

July	Baro. meter	Wind	Thermom. Min. 9. Max. am	Character	Notes.	Rain. 2.20
Th. 22.	30.13	E 1. SE 1. SE 1. 8 o.	57 63 71	Close & hazy morn'g, sultry forenoon, at times bright, cloudy from noon, and heavy rain 3 pm. Fine evening and night.		58
Fr. 23.	-13	SE 1. SE 1. SE 2.	52 62 72	Hazy morn'g, close with dark clouds till near 11 am, then partly bright & hot till 4 pm, afterwards hazy, yet the sun visible, and very close night.		
Sat. 24.	-03	S 1. SW 2. SW 1. S 1.	58 67 72	Sultry morn'g bright & hot from 8 am, till noon, sudden rain from 1 1/4 to 1 1/2 pm, again hot & sunny, but very electric.		03
Su. 25.	-05	W 2. W 1. WSW 1. WSW 1.	55 68 75	Bright morn'g, and the day hot, and mostly bright, with cumuli clouds, evening hazy, and threatening rain.		
M. 26.	29.81	SE 2. SSE 1. S 1. Var 1/2.	57 1/2 64 65	Rain at 3 am, & from 6 am till after 9, very hard, also at times most of the day, & distant thunder PM. (Thunder) Finner & some sun at evening.	Δ 4 8	60 50
Tu. 27.	-82	NW 2. W 3. W 3. 2. & 1.	58 64 71	Rain at times all morn'g till after 8 am, fine & some sun from that time, and a very warm sunny afternoon. Hazy & electric evening. Very close night.		30
W. 28.	-91	SSW 2. SW 3. SW 3. 8 2.	59 65 67 1/2	Close and lowering in moon last Dr the morn'g, and all day 11. 41 pm. Similar, some sun at times, but an unsettled sky. Very sultry night.		01
42058			39654935	Mean Temp 63.57.	Rain 4.22	
			890	slightly under Average.		

# JULY 1880.

July.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain 4.22
Th. 29.	29.73	SSW <sub>2</sub> SSW <sub>2</sub> SW <sub>4</sub> W <sub>1</sub>	60½ 65 70	Sultry breeze, sun at times, and some light flying showers; heavier at noon, and violent thunder in N & S, in the pm. Fine evening, & calm.	(much thunder)	14 02
Fr. 30.	-82	SW <sub>1</sub> WSW <sub>2</sub> WSW <sub>2</sub> Var. 1.	53 61 66	Overcast after 6 am, and hard rain at times till 11 am, then fine & partly bright till 3 pm, again showers, with thunder till 6. Fine night.	(thunder)	60 18
Sat. 31.	-85	W <sub>3</sub> W <sub>3</sub> W <sub>2</sub> WSW <sub>1</sub>	51 62 68	Bright with flying clouds, and brisk wind, but in the North distant thunder at 4 pm. Bright & tranquil evening. Fine night.	(thunder)	
178.74			164½ 204	Mean Temp 3 days 61.4.	Rain 5.16.	
Barometer.				Thermometer.		
Highest on the 12 <sup>th</sup> — 30.26				Highest on the 16 <sup>th</sup> — 79° —		
Lowest on the 26 <sup>th</sup> — 29.64				Lowest on 5 <sup>th</sup> am — 45.5.		
Range 0.62				Range = 33.5		
Mean of Month = 30.03.				Mean daily range 15° —		
				Mean of Month 62.45		
No positive gales this month.				1¼° below Average. —		
Prevailing currents SW, SE, and West.				Fine days 9 in number, Rainfall 5.16 Inches!		

This month was seasonably warm, but very showery and unsettled, with great rains, and severe thunderstorms in many parts of the Kingdom at times. An unpropitious Hay-time, but a fairly healthy month on the whole.



# August 1880.

Aug. 1.	Baro. meter	Wind	Thermometer Min. 9. Max.	Character	Notes	Rain.
Su. 1.	29.80	SW <sub>1</sub> SSW <sub>2</sub> SSW <sub>1</sub> Var <sub>1</sub>	53 64 67½	Hazy but bright morning with electric clouds, & hot till 11, then a shower. Fine but cloudy afternoon brighter even, and fine night.	08	
M. 2.	79	NW½ NW½ NW½ & 2.	48½ 59 62	Hazy and close from 7 am, and many clouds, clearer after 3 pm, and bright at times. Showers at a distance & here at 9 pm. 6 pm.	04	
Tu. 3.	75	W <sub>1</sub> W <sub>2</sub> & 1. SW <sub>0</sub>	47½ 64 70	Bright with cumuli clouds; hot and calm afternoon. Close evening rather hazy & dappled sky. Sultry night.		
W. 4.	74	SW <sub>0</sub> SW <sub>1</sub> SW <sub>0</sub>	56 65 71	Hazy & close morning, cleared off slowly, & chiefly bright by 10 am, but much cloud continued at times. Bright evening & very warm & calm.		
Th. 5.	72	SW <sub>1</sub> SW <sub>1</sub> SSW <sub>2</sub> SE <sub>1</sub>	57½ 64 73	Close & blue fog in the morning, clearer after 10 am. Hot with light clouds and sun, but rather hazy, and a sultry night.	60 & 8 Δ 24 & 8	
Fr. 6.	82	SE <sub>1</sub> SE <sub>2</sub> SW <sub>1</sub> & 0.	58 70 72	Very hot & sultry morning, new Moon, and continued similar in the day but more hazy after 11 am. Cloudy and slight rain at evening close night.	3. 48 pm.	
Sat. 7.	76	WNW <sub>2</sub> W <sub>2</sub> W <sub>2</sub> SW <sub>2</sub>	54 65 68	Bright with light clouds warm & fine till noon, lowering afternoon, and distant showers, and some here. Heavy showers at 8, & in the night, lightning & thunder.	03 30	
417.99		37454835		Mean Temp 61° 28		Rain 0.45
		858		1 ¼° below Average		

# August 1880.

Aug. 8.	Baro. meter	Wind	Thermometer Min. 9. Max.	Character	Notes	Rain 0.45
Su. 8.	29.64	NW <sub>4</sub> WNW <sub>3</sub> NW <sub>2</sub> & 1.	52½ 56 64	Heavy showers with gusty wind early AM, and very rainy till near 10. Partly bright at times, but again showers & thunder at even, then a finer night.	50 19 28	
M. 9.	30.05	NW <sub>2</sub> W <sub>2</sub> W <sub>2</sub> & 1.	51 64 71	Bright morning, and the day the same, and very warm, with cumuli clouds. Clear, calm & lovely evening. Sun set in rosy lustre.		
Tu. 10.	36	W <sub>1</sub> W <sub>1</sub> W <sub>1</sub>	51½ 69 75	Very bright all day, and very hot, scarcely a cloud seen till late pm. Some further clouds at 6 set and a sultry night.		
W. 11.	38	NW <sub>1</sub> NE <sub>1</sub> NE <sub>2</sub> & 1.	58 70 74	Hot and sultry morning, bright with grey clouds, very hot in the day, and partly bright. Rather electric, but very fine.	Δ 40	
Th. 12.	35	NE <sub>2</sub> ENE <sub>1</sub> NE <sub>2</sub> & 1.	57 68 74	Clouds & sun, became chiefly bright, and hot with a parching breeze. Evening also bright, but cloudy at night.		
Fr. 13.	25	NE <sub>2</sub> NE <sub>2</sub> NE <sub>1</sub>	59 64 76	Cloudy & close till 10, then bright and very hot throughout. Dappled sky in the evening. Cloudy & sultry night.	Moon 1 <sup>st</sup> Dr. 4.2 pm.	
Sat. 14.	22	NE <sub>2</sub> NNE <sub>3</sub> N <sub>2</sub>	59 63 66	Sultry & cloudy morning, lightly cloudy all day, and cooler, and cloudy evening with a blue haze, or light fog all night.		
422.91		388 500		Mean Temp 63° 42		Rain 1.42
		888		Nearly ½ a degree above Average.		



August, 1880.

August	Baro meter	Wind	Thermom Sun 9 am	Thermom Shade	Character	Notes	Rain inches
Su. 15.	30.23	NE <sub>2</sub>	59	63	Grey fog & sultry morn'g, and lightly cloudy most of the day, but fine and pleasant. Even'g cloudy, and the night also.		1.1
	-22	NE <sub>2</sub>		67			
	-21	NNE <sub>1</sub>					
Mo. 16.	-21	NE <sub>2</sub>	5 1/2	63	Cloudy more or less till about noon, afterwards partially bright, but again cloudy, and a very sultry breeze all night.		
	-20	NE <sub>2</sub>		66			
	-23	NE <sub>2</sub>	60				
	-26	NE <sub>2</sub>		63			
	-26	NE <sub>2</sub>		68			
Tu. 17.	-23	NE <sub>2</sub>	60		Sultry & breezy, very close morn'g, clearer after 10 am, partly bright, and a warm and pleasant harvest day. Even'g chiefly cloudy. Fine night.		
	-26	NE <sub>2</sub>		63			
	-23	NE <sub>2</sub>		68			
W. 18.	-25	NE <sub>1</sub>	5 1/2		Cloudy more or less, the clouds thin and grey, and little gleams of sun at times. Evening cloudy, and a fine close night.		
	-23	NE <sub>1</sub>		62			
	-23	NE <sub>1</sub>		64			
Th. 19.	-21	NE <sub>1</sub>	58 1/2		Close and cloudy morn'g, but very hot and bright from 10 am, all the rest of the day. Even'g partially cloudy. Very close night.		
	-17	ENE <sub>2</sub>		64			
	-17	ENE <sub>2</sub>		73			
Fr. 20.	-16	NE <sub>1</sub>	61		Sultry morn'g, little fog, bright & hot about noon, Full moon but some little showers 5. 18 am. after 2 pm. but finer after 4 pm, & the night fine.		0
	-18	NE <sub>1</sub>		65			
	-18	NE <sub>2</sub>		70			
Sat 21.	-23	NE <sub>1</sub>	60		Cloudy & close morning, bright after 9, with cumuli clouds, and hot with a pleasant breeze. Fine night & partly clear.	Δ h 0	
	-23	NE <sub>2</sub>		65			
	-23	NE <sub>1</sub>		72			
	423.01						
			4135	480	Mean Temp 63° 82.	Rain cal up	1.4
			893.5		Near 1° above Average.		

August, 1880.

in	August	Barometer	Wind	Thermometer	Character	Notes	Rain
4.2				9. May			1.47
Su. 22.	30.22	NE 1.58	65	68	Bright morning, with cumuli clouds, fine breezy day, with clouds and sun, and the evening similar.		
M. 23.	-21	NE 1.56 1/2	63	67	Clouds & sun, with a gentle wind, very fine and pleasant. the heat moderated much by the NE wind.		
Tu. 24.	-18	ENE 1.52 1/2	64	67	Clear & dewy morning, mostly bright till noon, light clouds at times. Fine serene evening, close night.		
W. 25.	-18	NE 1.55	60	62	Hazy & electric in the S. & S.E., rain from 8 am, till near 12, shower at 1 pm, then fine but cloudy evening & night.		30 03
Th. 26.	-05	E 1.61	65	71	Fog, and thunder storms at 6 & 7 am, finer after (thunder) 9 and bright & hot in the afternoon, distant thunder. Orange. ☉ set. Fog night.		42
Fr. 27.	-18	NW 1.60	64	68 1/2	Fog early, & but slowly moon last Dr. cleared off, warm & 4.15 pm. partly bright afternoon. Fog after 4 pm. but a sultry night.		
Sat. 28.	-30	Var. 0.61	70	76	Fog early, then bright Δ 4 & very hot from 7 am all day, but more wind 10 AM. Evening very bright. Sun set in cirri.		
422.69		404.4795	Mean Temp 63.1.	Rain cal. over 2.22			
		883.5	About the Average.				



# August 1880.

August	Baro	Wind	Thermom	Character	Notes	Rain
	meter		Min 9 Max			
Su. 29.	30.25	NE <sub>2</sub>	58	Bright with dappled electric clouds, hot and breezy, very pleasant day.		2.22
		ENE <sub>2</sub>	67	Very electric clouds SE in the evng, also SW & lightning there till after 10 pm.	(vivid light -ning SW - 9 & 10 pm)	
	-14	E <sub>1</sub>	71			
Mo. 30.	-11	ENE <sub>2</sub>	56½	Bright and hot, with a few lofty cirri clouds, and fresh breeze at E.		
		E <sub>2</sub>	69	Hazy beds of cirri in West after 4 pm. and close night.		
	-13	E <sub>1</sub>	73			
Tu. 31.	-13	Var <sub>0</sub>	60	Sultry & electric, but bright, and very hot, the day throughout. At 6 pm some distant thunder in S.	(Thunder at 6 pm.)	
	-21	NE <sub>1</sub>	67	Clear and calm night.		
		NE <sub>½</sub>	75			
	180.97		1745	219	Mean Temp 65°.58.	Rain. 2.22

## Barometer.

Highest on the 10<sup>th</sup> - 30.40  
 Lowest on the 7<sup>th</sup> - 29.40  
 Range 1.00  
 Mean of month 30.12

No gale in this month.

Prevailing wind NE. having been on 18 days!

This month was notable for 18 days of NE wind and very fine dry harvest weather all the month, except on 7 days which gave rain and some thunder. The heat was often subdued by the NE breeze, yet it was often very hot, and as favourable for harvest as could well be desired.

## Thermometer.

Highest on the 13<sup>th</sup> & 28<sup>th</sup> - 76° -  
 Lowest on 3<sup>rd</sup> am - 47.5°  
 Range 28.5°  
 Mean daily range 13.17°  
 Mean of month 63°.16  
 But slightly above Average.

Fine days 24 in number.  
 Rainfall 2.22 Inches.

# September 1880.

Sept.	Baro	Wind	Thermom	Character	Notes	Rain
	meter		Min 9 Max			
W. 1.	30.30	SE <sub>½</sub>	53½	Calm & bright morning and continued hot and clear, except a few light clouds. Hazy and sultry evening & night.	(77° at noon and till 3 pm.)	
	-36	SSW <sub>1</sub>	69			
		SW <sub>½</sub>	77			
Th. 2.	-42	SW <sub>1</sub>	62	Dappled sky & sultry morning, very hot all day, and partly bright. From 4 pm very oppressive & grey clouds all evening and night.	(78° for 2 hours.) 68° at midnight.	
	-43	SW <sub>2</sub>	65			
		SW <sub>0</sub>	78			
Fr. 3.	-39	SW <sub>0</sub>	62	Fog early, then bright, and very hot, equal to real summer. Sun set in fullest lustre.	Δ & H 11 am 78° noon 80° 1 ½ pm 81°	
	-34	SE <sub>1</sub>	73			
		SE <sub>0</sub>	81			
Sat. 4.	-23	SE <sub>1</sub>	61	Fog early, bright from 6 am and excessively hot all day, at ½ to 6 pm - only down to 77° and at 10 pm	new moon 14.52 pm. 11 am 80° noon 81½ then 82 till 3 pm.	
	-15	SE <sub>1</sub>	75			
		SE <sub>1</sub>	82			
Su. 5.	-17	SSW <sub>2</sub>	65	Close & electric. Clearer after 9, bright and hot with some clouds the rest of the day. Very breezy part of the night.	(lightning in NW 8 pm.)	
	-22	SW <sub>2</sub>	70			
		SW <sub>1</sub>	76			
Mo. 6.	-25	W <sub>3</sub>	55½	Bright and hot, with light breezes, and some thin clouds. Very pleasant. Close & calm from 4 pm. very fine cloudy night.		
	-18	SW <sub>2</sub>	63			
		SW <sub>1</sub>	72			
Tu. 7.	-11	W <sub>2</sub>	57	Cloudy at times till 7 am, then bright with cumuli clouds, and fresh breeze. Calm from 4 pm, and some small electric clouds. Cooler night.		
	-20	NW <sub>2</sub>	65			
		W <sub>2.1</sub>	69½			
		SE <sub>½</sub>				
	423.75		4165355	Mean Temp 67.964.	Rain (none) over { yet.	
			951.5	Nearly 9° above Average.		



# September 1880.

Sept.	Baro. meta.	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain none
W. 8.	30.21	Var. 0.	48		Cool & dewy morn'g, hazy but partly bright, fine & pleasant day, & partly bright. Electric clouds in the evening, and close night.	0.95
		NE 1.	59			
		NE 1.	69			
		E 1.				
Th. 9.	30.05	E 2.	55		Close with dark electric clouds from 6 am. Little showers after 8 am. Fine afternoon, but very little sun. Clear night.	0.03
		E 1.	62			
		E 1/2.	65			
Fr. 10.	29.93	SE 1.	50		Fog till after 6 am, then bright and hot, with some light clouds. Rather more clouds in the evening, and signs of rain. Sultry & thick night.	
		SE 2.	67			
		SSE 2.	74			
		SE 1.				
Sat. 11.	30.87	SE 2.	61		Very sultry morn'g very hot, moon last 2 & bright from 8 am till 6.25 pm. noon, little sprinklings of rain P.M. Heavy thunder storms began at 11 pm, and lasted 2 hours.	0.02
		SSE 3.	67			
		SE 1.	73			
		Var. 2.				
Su. 12.	30.78	NW 3.	53		Heavy thunder storms till after 1 am, then finer, bright morn'g from sunrise, and till noon. More clouds P.M. but again bright from 4 pm. Flowing night, & streaked sky.	0.70
		WSW 2.	60			
		SW 2.	65			
		S 2.				
M. 13.	30.74	S 3.	56		Squally showers from 3 am, and rainy till after 7 am, then finer, with clouds & sun.	0.40
		SW 1.	58			
		SW 2.	65		Tranquil evening, and chiefly bright to 8 o'clock. (Lightning 8 pm in East.)	
		W 1.				
Tu. 14.	30.92	S 2.	47		Red sky at sunrise, cloudy & squally all A.M.; rain at times after 1 pm, and harder at 4 pm. Fine and clearer evening, but wet after 12 pm.	0.29
		S 4.	57			
		SSE 3.	63			
		SW 2.				
418.69		370.474		Mean Temp 60° 28.		Rain condensed 1.44
		844		= 1 1/4° above Average.		

# September 1880.

Sept.	Baro. meta.	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain 1.44
W. 15.	29.39	SE 1/2.	54		Heavy showers early A.M. & some rain after sunrise, much heavier at noon, and lighter showers afterwards. Finer evening and moon bright.	0.41
		SW 1.	60			0.42
		W 2.	61			
		SW 1.				
Th. 16.	30.65	E 1.	50		Bright after a shower early, and a fine bright day, with rocky cumuli clouds. Evening chiefly clear. Moon bright, mist on valleys.	0.03
		E 2.	60			
		E 1.	64			
Fr. 17.	30.91	NW 2.	50		Clouds and sun, with a brisk wind. Chiefly fine, and pleasant. Sun set red in lines of cloud. Heavy night.	
		WNW 2.	60			
		NW 2.	63			
		18.0.				
Sat. 18.	30.90	SSW 3.	53		Squally showers from 8 1/2 AM till 11 am. Fine with distant thunder till 3 1/2 pm then a heavy storm here with thunder. Bright evening at 8 o'clock.	0.17
		SW 3.	59			0.10
		SW 2.	59			
		W 1.				
Su. 19.	30.83	SW 3.	45 1/2		Breezy & cool, but bright morn'g. Unsettled and showery with thunder in the afternoon. Fine evening, & partly clear.	0.03
		SW 2.	55			
		W 1.	58			
M. 20.	30.82	W 5.	45		Cool blustering wind, with clouds and sun. Less wind in the evening, and chiefly clear, and part of the night.	
		W 3.	54			
		W 2.	59			
		W 1.				
Tu. 21.	29.99	SW 1.	46		Hazy & cloudy morn'g, clearer from 10 am, and a little sun, but a cloudy afternoon, and brighter evening from 4 pm.	
		SW 1.	53 1/2			
		SW 1/2.	59			
417.46		343.5423		Mean Temp 54° 71.		Rain condensed 2.60
		766		= 4 1/4 below Average.		



# September 1880.

Sept.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain
W. 22.	30.04	SW <sub>3</sub> .	52			2.60
		SW <sub>4</sub> .				
	-12	W <sub>1</sub> .	57			
Th. 23.	-22	NW <sub>0</sub> .	56			
		NW <sub>1</sub> .				
	-23	N <sub>1/2</sub> .	60			
Fr. 24.	-23	N <sub>1</sub> .	53			
		NW <sub>1</sub> .				
	-22	NW <sub>0</sub> .	60			
Sat. 25.	-20	SW <sub>1</sub> .	53			
		SW <sub>2</sub> .				
	-20	SW <sub>1/2</sub> .	61			
		& o.	64			
Su. 26.	-25	SW <sub>0</sub> .	55 1/2			
		SE <sub>1</sub> .				
	-31	SE <sub>1/2</sub> .	60			
		& o.	67			
M. 27.	-40	SE <sub>0</sub> .	53			
		Var <sub>0</sub> .				
	-44	SE <sub>1</sub> .	61			
		& o.	67 1/2			
Tu. 28.	-50	Var <sub>0</sub> .	53			
		W <sub>1</sub> .				
	-54	W <sub>1</sub> .	60			
		Var <sub>0</sub> .	67			
42390			3755459	Mean Temp 59° 60'.	Rain cal. up 2.79	

8345 = More than 1/2 deg above Average.

# September 1880.

Sept.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain
W. 29.	30.58	NE <sub>0</sub> .	49 1/2			2.79
		NE <sub>1/2</sub> .				
	-53	Var <sub>0</sub> .	58			
Th. 30.	-51	W <sub>1/2</sub> .	46			
		W <sub>1</sub> .				
	-47	W <sub>1/2</sub> .	53			
			57			
12209			955118	Mean Temp 53° 37'.	Rain 2.79	

## Barometer.

Highest on the 29<sup>th</sup> - 30.58  
Lowest on the 15<sup>th</sup> 29.39  
Range = 1.19  
Mean of month 30.09

No Gale in this month.

Prevailing winds SW,  
and S E.

## Thermometer.

Highest on the 4<sup>th</sup> = 82°  
Lowest on 20<sup>th</sup> am = 45°  
Range 37°  
Mean daily range 13° 63.  
Mean of month 60° 15

More than 1 degree above  
the Average.

Fine days 21 in number.  
Rainfall 2.79 Inches.

This month was extremely hot and dry to the 11<sup>th</sup>  
at night, and a splendid time to complete the  
harvest then, which in most cases was done.  
From the 12<sup>th</sup> to the 20<sup>th</sup> showery and cooler,  
with thunder at times, afterwards again charming  
and summerlike weather went on to the end, and  
with a remarkably calm state of atmosphere,  
and very high Barometer in the first and  
last weeks of the month.



# October 1880.

Oct.	Baro meter	Wind	Thermom Min 9 Max	Character.	Notes.	Rain
Fr. 1.	30.37 -28	W <sub>2</sub> W <sub>2</sub> W <sub>1</sub>	52 54 59	Fog early, cloudy forenoon, partly bright in the afternoon, & pleasant for the season. Some fog at night.		
Sat. 2.	-05 29.91	SW <sub>1</sub> W <sub>2</sub> W <sub>2</sub> NW <sub>3</sub>	49 56 57	Hazy & mottled sky till 7 then bright till near 9 afterwards overcast and rain from noon at times the rest of the day. Fine evening, clear night.		.33
Su. 3.	30.00 29.95	NW <sub>3</sub> WNW <sub>4</sub> WNW <sub>3</sub> 2.1.	36 45 50	Clear & hoar frost in low places. Chiefly bright all day, with a brisk and cold wind. Even nearly calm, & chiefly clear, fine night.		
M. 4.	-92 -80	W <sub>1</sub> WSW <sub>2</sub> WSW <sub>2</sub> S <sub>2</sub>	37 45 50	Hazy morn'g, and continued thick & cloudy nearly all day alike. Some rain after 4 pm, and a rainy night.	new moon 4.43 am.	78
Tu. 5.	-50 -46	SE <sub>2</sub> SSW <sub>4</sub> SW <sub>3</sub> 2.1.	44 58 63	Rainy morn'g till near 9, then finer, some sun, and squalls of wind. Showery again from 3 pm, part of the evening. Night fine.		30 74
W. 6.	-58 -62	SW <sub>1</sub> SW <sub>1</sub> Var <sub>2</sub> 8.0.	51 51 52	Rainy from 7 am, at times till 10 am, then cloudy more or less during most of the day, and drizzling evening. hard rain at night.		28
Th. 7.	-71 -84	NE <sub>1</sub> NE <sub>2</sub> E <sub>1</sub>	50 54 58	Heavy rain till after 8 40 7 am, then finer but cloudy. Much warmer after 3 pm (floods on) but still cloudy. Close the valleys, evening, but fine night.		80 00
417.89		319.389		Mean Temp 50.57 Rain cald up 2.06		
708		below Average 2 degrees.				

# October 1880.

Oct.	Baro meter	Wind	Thermom Min 9 Max	Character.	Notes.	Rain. 2.06
Fr. 8.	29.85 -90	E 1. E 1. E 1.	52 54 54½	Cloudy, close, and rain at times, chiefly damp and gloomy most of the day, with slight gleams of sun.		12 78
Sat. 9.	-88 -93	E 0. E 3. E 4.	44 52 57½	Fog at 6 am: clouds and sun through the day, & a drying breeze. Blowing more at night. but fine & mild.		
Su. 10.	30.05 -81	NE 2. E 2. E 2.	50 54 56	Cloudy and mild air, after a shower at 5 am. Cloudy all day, little sun. Very cloudy evening, night fine & clearer.	Little rain 5 am.	09
M. 11.	-39 -39	NE 1. NE 2. E 1.	47 52 57	Fine & partly bright with mixed clouds, but wind squally at times. Clear sunset and evening clear & calm.	moon 1 <sup>st</sup> 2 <sup>nd</sup> 0.35 am.	
Tu. 12.	-26 -23	NE 2. NE 4. E 1.	44 50 51	Showery morn'g, and sun at times, continued squally with little showers at times. Finer from 1 pm.		08
W. 13.	-27 -40	NW 1. NW 2. NW 1.	45 51 54	Clouds & sun, with a drying air, rather more cloud after 2 pm. Fine and tranquil evening. Very fine night.		
Th. 14.	-47 -46	NW 0. NW 1. W 0.	44 51 54	Foggy then bright from 7 am, all day, and very pleasant in the mid-day hours. Evening calm, and bright moon-light.		
422.79		326.384		Mean Temp 50° 71. Rain cald over 2.53		
710		About 2° under Average.				



October 1880.

October	Baro. meter	Wind	Thermom. Min. 9. Max.	Character	Notes.	Rain.
Fr. 15.	30.40 -34	E 0. E 0. SE ½.	41½ 50	56	Fine, bright & pleasant, with a light haze & calm. a lovely Autumnal day, close, calm & mild even- ing and night.	8.8 H
Sat. 16.	-21 -18	SE ½. E ½. E 0.	48 53	55	Gentle rain 4 am, very close day, calm & hazy, with a soft air. Rather clear- er after 3 pm, fine night.	03
Su. 17.	-17 -20	Var. 0. NW 1. NW 1.	47 52	58	Calm, close, and hazy morn- ing. From 11 am, chiefly bright and very fine & pleasant afternoon, and calm evening.	
M. 18.	-15 -09	W 0. W 2. W 1.	46½ 50	56	Fog early, bright from 8 am, with some light clouds, very fine & pleasant. Clear moonlight night.	Full moon 4.26 am. 8.0 H
Tu. 19.	-12 -14	NW 1. N 2. N 1.	43 46	50	Bright with some clouds and a cool wind. More clouded in the afternoon and evening.	
W. 20.	29.83 -68	NW 1. N 1. NW 3.	37½ 38	41	Cloudy & sleety showers in the morning; cold gloomy day. Rain at times. Finer after 5 pm. Cold blustering night.	18 08
Th. 21.	-79 -97	NW 4. N 2. NW 1.	31½ 41	47	Snow showers after 5 am & keen wind. Finer day, but unsettled, milder p.m. Fine but hazy night.	(snow 6 am)
Fr. 22.	-90 -84	E 1. E 2. E 2.	34 41	46½	Hazy with clouds & sun, a rainy looking sky, but fine, and very cool wind. Little shower in the night.	
Sat. 23.	-89 30.14	E 2. NE 3. NE 1.	41 44½	46	Clouds & sun, fine and very drying day, but cold to the feeling. Less wind after 3 pm. Very fine and clear night.	03
Su. 24.	-30 -32 60.166	NW 0. WNW 3. W 1.	32 39	46½	Clear, very fine, bright, & cold, calm morning, and continued bright all day, but more wind P.M.	
Mean Temp 45.2.				Rain cal'd up 2.85		
904 = 7° below Average.						

October 1880.

October	Baro. meters	Wind.	Thermom. Min. 9 am Max.	Character.	Notes.	Rain. 2.85
M. 25.	30.22 -12	W <sub>1</sub> . W <sub>2</sub> . WSW <sub>1</sub> .	33½ 44 50	Grey clouds, but mostly bright till noon, fine afternoon, & sun at times. Even, partly clear.	608	
Tu. 26.	29.91 -61	SW <sub>1</sub> . SW <sub>1</sub> . E <sub>1</sub> .	41 42 43	Cloudy close morning noon last 20. Rain at times from 7.0 am 10 am, very wet and gloomy. Rain all night.		38
W. 27.	-58 -40	NE <sub>1</sub> . E <sub>1</sub> . SE <sub>2</sub> .	40 43 55	Much rain till 6 am. cloudy forenoon, raining afternoon. Much warmer evening, galy night.		40 28
Th. 28.	-18 -00	SSW <sub>4</sub> . SW <sub>3</sub> . W <sub>2</sub> .	47 49 53	Mild & squally morning cloudy afterwards, but stormy; afternoon partly bright, but a squally night.		08
Fr. 29.	-42 -95	NW <sub>5</sub> . N <sub>3</sub> . N <sub>3</sub> .	39 41 45	Squally showers early AM. Blustering day but finer PM, & sooner sun. Fine clear night.		07
Sat. 30.	30.14 -20	W <sub>2</sub> . W <sub>2.3</sub> . W <sub>2</sub> .	31 36 46	Clear frosty AM, very bright day & bleak wind. More clouded after 3 pm. Fine breezy night.		
Su. 31.	-11 -08	W <sub>3</sub> . W <sub>4</sub> . W <sub>4</sub> .	35 42 50	Bright with a bleak breeze, but much warmer in the day & continued bright till 3, then cloudy.		
416.92		2665.342		Mean Temp 43°.46.	Rain 4.06	
Barometer Highest on the 14 <sup>th</sup> 30.47 Lowest on the 28 <sup>th</sup> 29.50 Range 1.47 Mean of month 29.98				Thermometer. Highest on the 5 <sup>th</sup> 63° Lowest on the 30 <sup>th</sup> am 31° Range 32° Mean daily range 9°.79. Mean of month 47°.26		
One Gale on 27 <sup>th</sup> night.				4¼ Deg <sup>s</sup> below Average.		
Prevailing currents East, West, NW, and SW.				Fine days 16 in number. Rain-fall 4.06 inches.		
This was a stormy and wet month, except from the 13 <sup>th</sup> to the 19 <sup>th</sup> which was a fine and pleasant period.						



November 1880.

Nov.	Baro. inches	Wind.	Thermom. Min. 8 Max.	Character.	Notes.	Rain.
M. 1.	30.22 -32	W <sub>2</sub> . W <sub>3</sub> . WNW <sub>1</sub> .	37 39 43	Fine sunny morn'g, and very bright drying day but rather bleak. Clear & frosty night.		
Tu. 2.	-25 -17	NW <sub>0</sub> . NE <sub>1</sub> . NE <sub>2</sub> .	27 29 44	Clear & keen frost in the morn'g. Bright in the day till 1 pm, then showers & wind came on, and unsettled all the evening. Finer night.	new moon 3.55 pm.	
W. 3.	-25 -43	NE <sub>1</sub> . NE <sub>2</sub> . NE <sub>0</sub> .	34 36 46	Bright with a drying breeze all the day, pure golden sunset, and very clear & frosty night.	Aurora bright all even'g.	
Th. 4.	44 -42	NE <sub>0</sub> . E <sub>1</sub> . Var <sub>0</sub> .	30 31 45	Clear & frosty morn'g, and a very bright and cheering day. Rosy clouds after 5 o'c'k frost & little fog at night.		
Fr. 5.	-42 -40	Var <sub>0</sub> . W <sub>1</sub> . W <sub>0</sub> .	31 34 41½	Fog & frost, very foggy in the day also, but clearer after 2 pm, and some sun. Fog again in the even'g, & frosty.		
Sat. 6.	-40 -37	W <sub>1</sub> . W <sub>2</sub> . W <sub>1</sub> .	33 42 50	Grey clouds & change to much milder air. Bright after 10 am, warm & pleasant day. More cloudy after 3 pm. Close but fine night.		
Su. 7.	-26 -21	SW <sub>2</sub> . SW <sub>2</sub> . SW <sub>2</sub> .	42½ 46 51½	Mild, close & cloudy morn'g, cloudy but fine till 3 pm, little sprinkling of rain at 4. Finer even'g, but overcast.		
M. 8.	-23 -47	W <sub>2</sub> . NW <sub>2</sub> . NW <sub>1</sub> .	39½ 39½ 46½	Little rain early AM; then bright most of the day, with clouds at times, & flying showers at a distance.		12
Tu. 9.	-38 -03	NW <sub>0</sub> . SE <sub>2</sub> . S <sub>5</sub> .	29 30 47	Frost & clear but a thin haze. More hazy & cloudy 1 pm, and a cold wind, and blustering even'g, but warm and drying rain.	moon-1 <sup>st</sup> 7 <sup>th</sup> 8.20 am.	
W. 10.	-08 -22	W <sub>3</sub> . WNW <sub>2</sub> . NW <sub>2</sub> .	43 45 49	Mild with clouds & sun. very fine day, and bright with few clouds. Clear & calm night.		
606.97		3464635		Mean Temp 40° 47.5.	Rain cal'd up 0.17	
		809.5		1½ Deg Below Average.		

November 1880.

Nov.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Character	Notes.	Rain. 0.17
Th. 11.	30.16 -13	S 1. SW 2. SW 1.	36 44 51	Overcast morn'g, little rain, and very cloudy day with slight wet at times; clearer even'g & very mild.		.03
Fr. 12.	-08 -04	SW 2. SW 2. SW 2.	4 1/2 50 52	Cloudy, close & mild, little wet at times. Finer and clearer after 3pm, but the night squally.		.02
Sat. 13.	29.83 -79	SW 4. SW 6. W 4.	48 52 57 1/2	Warm, & squally, with some showers, and sun at times. Blowing day, and a windy warm night	Δ ♀ ♀	.23
Su. 14.	-62 -40	SSW 4. SW 3. W 2.	53 1/2 55 56 1/2	Overcast. & rain at times. although very light. Sun and clearer from 2pm. till 8. but. hard rain at 9 and 10pm, then finer.		.08 .34
M. 15.	-79 -65	NW 1. Var 1/2. S E 1.	40 42 43 1/2	Bright with some clouds more clouded pm, and wind veered back. Rainy from 4pm till 9. night finer		.49
Tu. 16.	-07 28.87	S 3. SSW 6. SW 3.	37 49 51	Squally & wet morn'g, Full moon heavy gales in the day. 8.39 pm. but finer & partly bright. wind abated at night.		.03
W. 17.	29.22 -32	W 1. W 2. W 0.	35 37 44	Fine & partly bright morn'g. fine and bright day with some clouds, & cool air. Clear & calm Even'g.		
Th. 18.	-40 -21	Var. 0. SW 1. S 3.	29 30 37	Calm, clear, & frost. AM. & bright till after 10, then hazy & thick all the PM. and rain at night.		
Fr. 19.	-31 -81	NE 4. NW 3. NW 3. 2. 1.	34 1/2 38 44	Much rain early AM. unsettled day, with sun at times. Clear even'g, & Aurora Borealis, frothy night.	Aurora again bright.	.58
Sat. 20.	30.15 -42	NE 1. NE 1. NE 0.	30 36 42	Bright with a keen air, little frost early, and bright all day. Clear & frosty evening		
395	27		39.054785	Mean Temp 43° 45.	Rain cald over	1.97
869 = Nearly 1 1/2° above Average.						



# November 1880.

Nov	Baro. meter	Wind	Thermom. min. 8. max.	Character	Notes.	Rain.
Su. 21.	30.50 -32	N. 0. NE. 1. E. 0.	29 1/2 31 39	Fleet & frost early, bright day with some clouds, and a very keen air. Clear and frosty evening & night.		1.9
M. 22.	-00 -02	N. 1. NW. 3. NW. 1.	26 1/2 29 35 1/2	Hard frost AM. Bright day, but a very keen air. Clear & frosty evening and sharper night.		
Tu. 23.	29.98 -96	SSE. 2. S. 1. SSW. 1.	25 1/2 32 38	Sharp frost, and hazy morning. Overcast from 9 to 12, a little snow at 12. Clearer afternoon. Rosy clouds at 3 P.M.		
W. 24.	30.02 29.93	S. 2. S. 2. SW. 3.	33 1/2 44 49	Red & hazy morning, mild & cloudy. Overcast from 9 am, rain a short time. After 3 fine & clearer. Night cloudy.		
Th. 25.	-70 -93	S. 4. SW. 6. W. 2.4	45 51 55	Mild, breezy & little wet AM. Fine & clearer from 9 am, sudden storm & hail 1.30 pm. 2.5 am. Blustering evening & night.	moon last 20	
Fr. 26.	-73 -79	S. 6. S. 5. SW. 2.	39 52 56 1/2	Gusty wind early & some light rain, squally day & very warm. but finer afternoon, evening and night, & less wind.		
Sat. 27.	30.00 -23	SW. 2. SW. 3. SW. 1.	41 43 50	Bright morning, and continued bright and mild all the day. Star light evening and very fine night.		
Su. 28.	-42 -43	SW. 1. SSW. 1. SW. 1.	36 1/2 42 49	Grey clouds, and sun, with some haze, mild & fine. The evening & night clear upward, foggy below.		
M. 29.	-45 -46	S. 1. S. 3. S. 1.	39 40 50	Bright morning, with light clouds, fine mild day in part hazy but bright. Evening tranquil & partly clear.		
Tu. 30.	-51 -48	SW. 1/2. SW. 1. SW. 2.	39 42 44	Foggy calm morning, cloudy & more wind after 9 am, afternoon partly bright. Cloudy & breezy evening.		
602.86			345.466	Mean Temp 40.55.	Rain total.	2.2
811		= 1 1/2° under Average.				

# Results November 1880.

Barometer.	Thermometer.
Highest on the 30 <sup>th</sup> - 30.51.	Highest on the 13 <sup>th</sup> - 57.5
Lowest on the 16 <sup>th</sup> - 28.87.	Lowest on the 23 <sup>rd</sup> - 25.5
Range 1.64	Range 32.
Mean of Month 30.08.	Mean daily range 10.56.
Gales on 4 Days.	Mean of Month 41.49
	About 1° below Average.

Prevailing winds SW, S, W, and NW, most of the month. Five days 17 in number. Rainfall 2.22 Inches. This was a changeable month, and after the 10<sup>th</sup> rain and frost by turns to near the end of it. The temperature about the medium, slightly under the Average.

# December 1880.

Dec.	Baro. meter	Wind	Thermom. min. 8. max.	Character	Notes.	Rain.
W. 1.	30.25 -12	SSW. 2. SSW. 2. S. 2.	39 44 49	Foggy morning; fine, mild & bright from 10 am and most of the day. More hazy at 8 after. 3 P.M. Fine night.		
Th. 2.	-26 -36	W. 2. NW. 1. NW. 0.	35 1/2 36 43	Bright for the most new moon part all day, but cold 2.56 am. warmer than previous. Clear & frosty evening & night.		
Fr. 3.	-36 -37	S. 1. SW. 1. SW. 2.	28 36 44	Frost early, then cloudy calm and foggy day, milder PM. Clearer from 4 pm, & more wind.		
Sat. 4.	-45 -49	NW. 1. NW. 1. W. 3.	41 45 49 1/2	Cloudy & thick, but a fine calm morning. Some sun in the day, mild with low clouds. More wind in the evening.		
Su. 5.	-52 -50	SW. 1. SW. 2. SW. 2.	41 46 50	Calm & mild, with light lines of cloud, but partly bright & very pleasant. Warm & breezy night.	Birds very musical all pm.	
M. 6.	-47 -50	SW. 2. SW. 1. W. 3.	44 49 52	Very mild & breezy morning. Thick & cloudy AM. but warm for the season & brighter after 2 pm.	The birds again very merry this morning.	
364.65			2285.2875	Mean Temp 43.	Rain over none.	
516		= 4° above Average.				



# December 1880.

Dec.	Baro. meter	Wind	Thermom. Min. 8 Max.	Character	Notes	Rain
Tu. 7.	30.65	NE 0.44 NE 0.45 Var 0.50		Rain at 3 am, clear at 7 afterwards fog and a close & calm atmosphere. More wind in the night.	□ ♀ 2	.08
W. 8.	-62 -54	WSW 3.45 SW 5.47 SW 3.48		Very mild & breezy morn; moon 1 <sup>st</sup> 7 <sup>th</sup> and blustering most of 6. 38 pm the day, but mild & fine. Less wind after 3 pm.		
Th. 9.	-44 -42	SW 3.44 SW 5.48 SW 4.49		Warm & cloudy, or hazy, blustering wind, but mild and fine, and the evening & night the same.		
Fr. 10.	-29 -32	W 5.43 W 5.6.51 W 3.2.54		Blowing and mild, and chiefly bright, with fly- ing clouds. Fine moon- light evening, & cooler.		
Sat. 11.	-34 -15	W 2.37 W 3.2.39 W 3.4.46		Cooler, but fine & bright all day, & scarcely a cloud visible. Little haze & few clouds at evening.		
Su. 12.	-12 -14	SW 4.40 WSW 3.44 W 3.5.47		Drying breeze, bright morn; with grey clouds, and very bright most of the day. Red clouds at sunset.		
M. 13.	29.97 -99	W 6.42 W 4.49 W 2.51		Squally from 1 till 6 in the morning, & heavy gales some rain after 2 pm. Unsettled evening & night.	Δ 0 2	.04
Tu. 14.	-90 30.05	W 5.38 NW 3.39 NW 4.41		Storm of rain early, 4 PM. Cold, blustering day, and chiefly cloudy. Less wind in the evening. Change at night.		.36
W. 15.	29.82 -60	SSE 3.32 S 3.36 SSW 4.50		Stormy morn; rain & snow, afterwards milder and rain at times, harder in the evening till 7, then fine.		.35 .33
Th. 16.	-60 -84	SW 2.41 SW 2.43 W 1.46		Clouds and sun, with a haziness, but fine, and in the afternoon some sun at times. { Sun & total eclipse. } will sun pm.	Full moon 6. 36 pm.	
60348		40634835		Mean Temp 44° 5.		Rain cast up 1.16
		890		= 5½ above Average.		

# December 1880.

Dec.	Baro. meter	Wind	Thermom. Min. 8 Max.	Character	Notes	Rain
Fr. 17.	29.89 -87	NE 0.31 NE ½.31 NE 0.37		Little frost early, fine & mostly bright till near 12, cloudy & cold afternoon. and the evening in part cloudy.	Δ 8 4	
Sat. 18.	-68 -61	W ½.35 W 2.38 SE 4.43		Very foggy till 9 am, then clearer, some sun, but clouds at times. Squally evening. but a fine night.		
Su. 19.	-62 -64	SW 2.36 W 4.39 SW 3.41		Clouds & sun fine till 9, then stormy with sleet, but from 11 am - fine and bright. Evening unsettled.		.10
M. 20.	-61 -59	W 1.34 W 1.36 W 2.38		Rainy from 4 to 6 AM, then finer but gloomy and over- cast. Gentle rain at times in the evening, finer night.	Δ 8 4	.15 .02
Tu. 21.	-84 30.20	NW 4.33 NW 2.35 NW 0.39		Cloudy & a cold wind, some sun at times, and after 2 pm very clear & bright. Evening calm, clear & frosty.		
W. 22.	-01 29.75	W 1.29½ SSE 3.36 SSW 4.53		Overcast & little wet, great change. Dark and rainy most of the day. Windy & finer at night.	* ♀ 4 (warmest after 9 pm.)	.26
Th. 23.	-63 -69	W 3.48 W 2.50 SW 2.51½		Very mild with clouds, and sun, and chiefly fine, but a stormy sky at evening. Unsettled night.	Δ 8 8	
Fr. 24.	-30 -43	S 4.44 SW 3.47 W 6.49		Little rain early, mild & breezy day, with clouds and little sun. Strong gale at West in the evening.	moon cast 2 <sup>nd</sup> 6. 57 pm.	.03
Sat. 25.	-38 -70	W 4.30 NW 5.30 NW 4.36½		Clear & bleak wind - frost in the morning, bright most of the day & sharp wind. Evening the same as the morn- ing, & less wind in the night.		
Su. 26.	-76 -73	W 1.28½ W 2.29 W 1.38		Clear & frost AM. Continued very bright day, and but moderately cold. Evening hazy & thick. Change at night.		
59413		349426		Mean Temp 38° 75.		Rain cast over 1.72
		775		= ¼ deg below Average.		



# December 1880.

Dec.	Baro. meter	Wind	Therm. Min. 8 Max.	Character	Notes	Rain. 1.72
M. 27.	29.50	Var NE 1. NE 1.	30 35 46	Snow & rain early AM, then rain only till noon, dark afternoon, but finer. More rain at eve, and till 11 pm, then fine.		30 26
Tu. 28.	-73	S 1. S 2. S 1.	38 44 50	Mild morning, with clouds and sun, and a very mild day, but a rainy looking sky, and a very close and cloudy night.		
W. 29.	-68	S 4. S 4-5. SSE 6.	44 48 49	Warm breeze & cloudy morning. Mild & squally day much cloud. Strong wind at night & some rain, but fine after 7 pm.		10
Th. 30.	-58	SW 2. Var. 1. NW 1.	36 38 38	Overcast, rain & snow till after 10 am, then finer, but thick & gloomy till 3 pm, afterwards clearer but stormy at night.		10
Fr. 31.	30.03	NW 3. NW 1. NW 3.	32 32 36	Snow early AM, little new moon frost, cloudy till noon, 1.56 pm. afternoon bright, and the Eclipse well seen. 1.40 to 3.28 pm. Freezing & squally evening.		
297.17			180 219	Mean Temp 39.9	5 fine days	Rain 2.48

Barometer.  
Highest on the 7<sup>th</sup> — 30.68  
Lowest on the 29<sup>th</sup> — 29.28  
Range — 1.40  
Mean of month 29.99  
Gales on 7 days.

Prevailing winds  
S W, and W.

This was a very mild month throughout, and the first 12 days very fine. The remainder of the month was stormy, galy, and unsettled with frequent rain and a little snow near the end, but scarcely any frost. — A perfect contrast to last December, and the mean temperature 11 deg<sup>s</sup> higher than then.

Thermometer  
Highest on the 10<sup>th</sup> — 54.5  
Lowest on 3<sup>rd</sup> — 28.  
Range — 26.5  
Mean daily range — 8.12  
Mean of month — 41.61  
2.61, above Average.

Fine days 20 in Number  
Rain fall 2.48 Inches.

## Summary of the Year 1880.

Highest Barometer Jan 7<sup>th</sup> 30.67, and Dec 7<sup>th</sup> 30.68. — And the Lowest on Nov 16<sup>th</sup>, when it receded to 28.87. —  
Coldest day January 28<sup>th</sup>, Thermometer 18½ deg.  
Hottest May 26<sup>th</sup> Therm 81°, and Sept 3<sup>rd</sup> and 4<sup>th</sup> when it was 81°, and 82° respectively. —  
The number of days fine was 237, and the Rainfall was 26.36 Inches. —  
Driest months — January, March, and May; wettest months July and October. —  
Warmest months July, August, and September. It was altogether a better year than the previous, but in some parts of England the rains of July and October were such as to cause very sad results on the land, first on the hay harvest, and standing corn, and in the latter case in October it proved unpropitious for both the planting of wheat, and the storing in of the root crops. Hence the years 1879, and 1880 were a period long to be remembered as one of trial for the nation.

Further results for 1880, over



# Further Results for 1880.

1880.	Winds.									Averages.				Rain	Thermo- meter.	
Month	E	W	N	S	NE	SE	NW	SW	Sales	fine days	mean Barom.	mean Ther.	mean Daily Range	in Inches	min	Max
Jan.	4	4	0	1	5	8	3	6	0	27	30.40	33.96	8.74	0.13	18½	54½
Feb.	1	2	2	9½	1	2	2	9½	5	19	29.88	41.30	10.56	1.34	26	55
Mar.	11	3	0	0	8	2	1	6	3	27	30.19	44.13	15.41	0.65	27	59
Apr.	2	4	0	2	9	2	1	10	0	19	29.97	48.13	14.41	1.43	35	66
May	4	4	1	1	10	2	4	5	2	23	30.17	52.56	17.48	0.45	33	81
June	6	4	0	0	4	4	4	8	1	15	30.01	57.61	13.31	3.43	37½	75
July	0	6	0	2	0	7	2	14	0	9	30.03	62.45	15. —	5.16	45½	79
Aug.	1	4	0	0	18	2	3	3	0	24	30.12	63.16	13.17	2.22	47½	76
Sep.	2	4	0	1	2	6	3	12	0	21	30.09	60.15	13.63	2.79	45	82
Oct.	7	6	4	0	4	0	5	5	1	16	29.98	47.26	9.79	4.06	31	63
Nov.	1	4	0	5	4	2	4	10	4	17	30.08	41.49	10.56	2.22	25½	57½
Dec.	0	8	0	5	3	0½	6½	8	7	20	29.99	41.61	8.12	2.48	28	54½
1880	39	53	7	26½	68	37	38½	96½	23	237	30.07	49.48	11.68	26.36	18½	82

Orlando Whistlercraft

Dec 31<sup>st</sup>, 1880.

# January 1881.

Jan.	Baro- meter	Wind.	Thermom- eter	Character.	Notes.	Rain.
Jan. 1.	30.35	NW <sub>1</sub> W <sub>2</sub> SW <sub>1</sub>	30 33 41	Frost AM. Hazy but fine bright at times, more cloudy PM, and continued thick all the evening.	□ ○ 4	
Su. 2.	30.42	WSW <sub>0</sub> W <sub>1</sub> S <sub>1</sub>	36 36 43	Fog all the morning, became bright at 10 am, but again thick most of the PM. Mild & cloudy night.	* ♀ ½	
M. 3.	30.44	S <sub>0</sub> SE <sub>0</sub> S <sub>0</sub>	39 41 43	Calm, thick and clou- dy morning, and the same all day, the evening and night similar.	△ 3 ½	
Tu. 4.	30.34	SW <sub>0</sub> N <sub>1</sub> Var. <sub>0</sub>	38 39 42½	Calm & cloudy, a little wind after 11 am, but con- tinued cloudy more or less. Even clearer, & moon partly bright.	Aconite, prim- roses, Anemones in flower.	
W. 5.	30.37	NE <sub>3</sub> NE <sub>3</sub> NE <sub>2</sub>	37 38 43	Bleak wind, clouds, & sun but mostly bright, and a drying air. Clear eve- ning and night.		
Th. 6.	30.50	NE <sub>2</sub> NE <sub>3</sub> NE <sub>3</sub>	34 36 40	Clear, bright & a drying breeze, continued so all day, & not a cloud seen. Even also clear, & frosty.		
Fr. 7.	30.65	E <sub>0</sub> E <sub>0.1</sub> E <sub>0</sub>	29½ 29½ 40	Gentle frost, clear morning and a very fine bright and calm day. Clear and frosty evening & night.	moon 1 <sup>st</sup> Dr. 8.9 AM.	
Sat. 8.	30.57	NW <sub>1</sub> NW <sub>2</sub> W <sub>1</sub>	30 36 41	Grey clouds and little sun, but chiefly fine. Hazy evening, & moon dim. little snow during night.		
Su. 9.	30.53	NW <sub>1</sub> NW <sub>1</sub> NW <sub>2</sub>	31½ 32 37	Little snow early AM, the day fine, and chief- ly cloudy. Fine evening moon bright between dark clouds.		
M. 10.	30.12	W <sub>2</sub> NW <sub>3</sub> NW <sub>3</sub>	29½ 30 32	Hoar & hoar frost in the morning, cloudy and freezing all day, with keen wind. Little snow evening.		
608	30.34		33.454025	Mean Temp 36.85.	Rain and over	none.
			737	5/4 of a degree below the corrected average.		



# January 1881.

Jan's	Baro meter	Wind	Thermom min 8 max	Character	Notes	Rain
Tu. 11.	29.87 -78	NW <sup>3</sup> W <sup>2</sup> W <sup>3</sup>	29 31 33½	Cloudy and gentle frost, partly bright in the noon hours, but again cloudy most of the PM. Frosty night.	□ 4 8	
W. 12.	-60 -57	NW <sup>1</sup> NW <sup>2</sup> NW <sup>5</sup>	25 25 28	Snow & sharper frost, be- came bright from 9 am, and till 1 pm, snow again at times from 2 pm. Finer night.	□ 0 7	•
Th. 13.	-61 -75	NW <sup>1</sup> NW <sup>2</sup> NW <sup>0</sup>	23½ 29 33	Sharp frost, & snow at times from 10 am, milder from about noon till 3 pm. Clear evening and sharp frost.		•
Fr. 14.	-88 -92	NW <sup>0</sup> NW <sup>1</sup> W <sup>0</sup>	18 18 27	Severe rimé frost, fog till near 11 am, then very bright all the PM & severe night with fog at times.		
Sat. 15.	-82 -77	NW <sup>0</sup> SW <sup>2</sup> W <sup>3</sup>	16½ 16½ 28	Very severe rimé frost, and fog, bright at noon, more hazy after 2 pm. Severe night, & chiefly clear.	Full moon 11.34 am.	
Su. 16.	-79 -84	W <sup>3</sup> W <sup>2</sup> W <sup>0</sup>	16 17 26	Very severe frost & clear with a brisk piercing wind. Bright all day, less wind PM. Excessive frost even- ing.		
M. 17.	-88 -83	Var. 0 E ½ E 1.3	13½ 14 27½	Extremely severe, clear & calm. Continued bright till 2 pm, then hazy, and after 4, clouds from South. Change in the night.	□ 8 7	
Tu. 18.	-61 -44	SE 6 SE 8 ESE 5	26½ 29 32	Strong wind & cloudy, and a violent gale in the afternoon. Snow in the evening, and night drifted deep in some spots.	Swift	•
W. 19.	-43 -49	E 3 NE 2 NE 3	24 26 28	Frost & some snow, finer after 9 am, but overcast & keen air. Snow again at night, & more frost afterwards.		•
Th. 20.	-81 3007	NW <sup>0</sup> W NW <sup>0</sup>	18 19 26	Clear & severe frost bright AM, hazy PM. Evening chief- ly clear, and keen frost. Extreme during night.	(9 pm 12½)	
Fr. 21.	-22 -33	E 0 E 0 Var 0	7 15 25	Excessive frost, snow at 9 am, bright day, and a clear & severe evening, and night.	(9 pm 13°)	•
65504			217 314	Mean Temp 24° 13!	Rain cal up	none
			531	13½ below Average.		

# January 1881.

Jan's	Baro meter	Wind	Thermom min 8 max	Character	Notes	Rain
Sat. 22.	30.21 -12	NW <sup>3</sup> NW <sup>3</sup> NW <sup>2</sup>	9 20 32	Excessive frost but cloudy & windy since 6 am, conti- nued frost but less severe. Evening partly cloudy, the frost but moderate.		
Su. 23.	-18 -26	NW <sup>1</sup> W <sup>2</sup> W <sup>2</sup> NW <sup>1</sup>	26 30 35	Cloudy, moderate frost, but milder in the day & mostly cloudy. Snow at 4 pm. Severe frost night.	moon last 2n 8.47 am.	
M. 24.	-30 -24	W <sup>0</sup> Var. 0 SW <sup>1</sup>	13½ 19 28	Very severe frost, with a haze, thick fog & rain all day more or less. Keen, frosty night, & partly clear.		
Tu. 25.	-12 29.99	NE 0 NE 0 W 0	19 22 27½	Sharp frost, grey clouds, & sun. Very bright from 9 am all day. Very severe frost even- & night. (9 pm 14°)		
W. 26.	-80 -66	W 0 SE 1 SE 3	3½ 5 32½	Most excessive frost, & clear till 9 am, then overcast, & a little snow PM. Dark evening, breezy & milder.	(sudden change)	
Th. 27.	-50 -44	SSE 2 S 1 S 1	32½ 35 37½	Overcast and thaw with much fog all the day, and some rain in the evening and night.		.05
Fr. 28.	-20 -23	SE 1 Var 0 W 1	34 34 37½	Thaw continued, fog & gentle rain at times. Finer towards evening, but mostly foggy, and rain in the night.		.07 .03
Sat. 29.	-17 -07	SE 1 SE 2 S 3	33½ 39 44	Rain early AM. Very foggy day, & some rain at inter- vals. Finer and clearer in the night.		.12 .03
Su. 30.	-22 -38	S 1 S 2 S 2	34½ 34½ 45½	Bright with clouds, then foggy at times, and mild with sunny intervals. Evening unsettled, some rain.	new moon 0.48 am.	.10
M. 31.	-60 -75	W 2 SW 2 SW 1	34 34 46	Bright morning, and conti- nued very bright all day, & also mild. Clear orange sunset. Splendid aurora	* 8 24 (fine aurora in rich tints all evening)	
59544			23953655	Mean Temp 30° 25!	Rain Total.	0.40.
			605	7¼ below Average.		



# Results for January 1881.

Barometer.	Thermometer.
Highest on the 7 <sup>th</sup> — 30.65	Highest on the 31 <sup>st</sup> — 46°
Lowest on the 29 <sup>th</sup> — 29.07	Lowest on 26 <sup>th</sup> — 3½
Range — 1.58	Range — 42.5
Mean of month 29.98	Mean daily range — 9.38
Gales on 2 days, 12 <sup>th</sup> & 18 <sup>th</sup> .	Mean of the month 30.41
Prevailing Winds NW, SE & NE, but much divided.	7 Deg <sup>s</sup> below Average.
<p>Very fine and dry to the 11<sup>th</sup>; then violent frost and snow to the 26<sup>th</sup>, with an awful hurricane from the East on the 18<sup>th</sup>. — 27<sup>th</sup> to the end, thaw, rain, and some fogs. Splendid Aurora Borealis in various colours on 31<sup>st</sup> evening.</p> <p>The coldest January since 1838 in these parts.</p>	

## February 1881.

Feb's	Barometer	Wind	Thermom <sup>r</sup>	Character.	Notes.	Rain
	meter		min 8 max			
Tu. 1.	29.83	S 1.	28½	floor-frost & clear, then foggy		
		S 1.	28½	more or less, with sun at times,		
	95	S 1.	36	fog greater from about 3 pm.		
				and thick all the night.		
W. 2.	91	S 2.	30½	Very foggy, then overcast.		
		SSE 3.	34	with light rain at times.		
	80	S 2.	45	most of the day & more wind.		
				but less in the evening, and		
				a very mild cloudy night.		
Th. 3.	84	S 2.	41	Cloudy & mild morning, and		
		S 2.	45	the whole day cloudy, and		
	73	S 3.4	48	milder, blustering evening		
				but a fine night.		
Fr. 4.	57	S 2.	39	Clouds & rain, red East at 7	□ 48	
		S 1.	39	am, cloudy and mild, close		
	59	SW 2.4	49	day, but rather clearer after		
				3 pm. Breezy night.		
Sat. 5.	56	SW 4.	4½	Squally & mild Morn'g, some	* 04	
		SW 4.	43	rain at 7 & 8, then finer but		
	52	W 4.	44	colder 10 AM, with sun at times.		
				squally evening & night.		
	297.30		180.5	Mean Temp 40° 25.	Rain	0.33
			402.5	— 1¼ above Average.	car up	

## February 1881.

Feb's	Barometer	Wind	Thermom <sup>r</sup>	Character.	Notes.	Rain
	meter		min 8 max			0.33
Su. 6.	29.80	NW 6.	32½	Galy with rain & sleet	moon 1 <sup>st</sup> 2 <sup>nd</sup>	11
		NW 4.	34	at times early AM, and	0.54 AM	
	30.08	N 2.1	38	drifting snow storms in the		
				day, & sun between. Even		
M. 7.	12	SSE 2.	28	fine and some frost.		
		S 5.6	28	Hard frost & became cloudy		
	29.47	S 7.	36	and wind changed. Dark, &		
				blowing day & snow in the		
				afternoon. Violent gales in	(violent	10
				the evening, & stormy night.	gales.	
Tu. 8.	21	SW 2.	32½	Very stormy morning, heavy		15
		WSW 5.	45	gusts of wind, with rain at		
	37	W 4.	46	times, most of the day alike.		
				but finer after 4 pm. then		
				stormy again in the evening.		26
W. 9.	80	N 4.	3½	Cloudy & blustering morn'g.		
		NW 2.	39	Less wind through the		
	79	NW 2.	40	day, & very cloudy; the		
				evening nearly calm.		
				but a wet night & wind South.		
Th. 10.	17	S 4.	3½	Much rain early AM, and		52
		SW 2.	49	continued till 8, afterwards	(valleys much	
	02	W 7.8.	49	storms & thunder, with	flooded.	14
				violent gales at times.	Thunder.	
				fine evening & less wind.		
Fr. 11.	73	N 3.	32	Rain at 6 & 7 am, and snow		20
		NE 5.	37	set in at 10 for a time, cold		
	68	N 4.	38	squally day, & sun at times.	(snow in	
				clear evening, freezing wind.	the night.)	
Sat. 12.	96	NW 3.	29½	Snow at times early AM.		
		NW 2.	29½	Mostly bright in the		
	30.14	NW 1.	38	day, but stormy looking		
				clouds prevail. Clear moon-		
				light evening, frosty night.		
Su. 13.	12	SE 1.	26½	Frost & bright morn'g, but		
		SE 3.	27	became hazy all day		
	87	SE 3.	40	cold wind & sun dim.		
				fine evening, and night.		
M. 14.	29.92	SE 3.	32	Keen drying wind, and	Full moon	
		SE 4.	36	a hazy streaked sky. The	6.24 am.	
	83	SSE 4.	39½	afternoon overcast, & little		
				rain at 3, but a scattering		
				night chiefly fine.		
Tu. 15.	88	S 2.	3½	Rain early AM, cloudy		
		SSE 1.	37	but fine from 8 am all		
	91	SSE 1.	44	day, and a thick evening.		18
				fine tranquil night.		
	594.47		319.5	Mean Temp 36° 4.	Rain	1.99
			728	— 2½ below Average.	car over	



# February 1881.

Feb.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Character.	Notes.	Rain 1.99
W. 16.	29.98 30.01	NW $\frac{1}{2}$ NW $\frac{1}{2}$ NW.	34 37 43		Closer & some fog, thick sky & calm, nearly alike all the day. Fog increased after sunset, but clear at 8 pm.	0.37
Th. 17.	-03 -01	N. SE. SE.	31 32 47		Fog & little frost. Clearer & partly bright after 10 am. and a bright afternoon. and warmer. Fine night.	
Fr. 18.	-05 -14	WSW. SW $\frac{1}{2}$ . Var. 0.	37 40 44		Very foggy morn., & continued snow or less so all day, & very little sun. Fine even. & night.	
Sat. 19.	-22 -23	NE. NE. NE.	35 37 38		Cloudy & some fog, keen air, and all day alike cloudy and cold. More fog in the evening.	
Su. 20.	-23 -27	NE. NE. NE.	35 36 37		Cold & cloudy, some fog, and continued the day throughout alike. Rather more wind in the evening. - Little snow 8 pm.	0.24
M. 21.	-34 -32	N. NE. NE.	33 34 37		Cloudy more or less, and a very keen wind, and a few snow-flakes at times in the afternoon & more at 8 & 9 pm.	0.07
Tu. 22.	-22 -19	NE. NE. NE.	31 34 35		Overcast, foggy and dark with some light rain at times, & yet cold and unpleasant. Finer night.	
W. 23.	-22 -31	NW. NW. NW.	30 $\frac{1}{2}$ 32 39		Little frost early, fine with loftier grey clouds, and gleams of sun, rain at 6 pm, then snow heavy till after 9 pm, then finer.	0.5
Th. 24.	-32 -32	NW. N. NE.	32 34 40		Hazy & cloudy, clearer after 10 am, & a little sun, but mostly cloudy in afternoon. Fine night and continued cloudy.	
54.341		29.85		36.0		Mean Temp 36.58.
		658.5				2 $\frac{1}{2}$ below Average.

# February 1881.

Feb.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Character.	Notes	Rain 2.11
Fr. 25.	30.24 -14	W. W. W.	33 34 39		Hazy & cloudy nearly the same all the day, and at times calm. Fine evening and night.	
Sat. 26.	29.93 -90	SSW. S. S.	32 34 41 $\frac{1}{2}$		Calm with grey clouds in the morn., the day partly bright, & little more wind. Pleasant afternoon, but colder night.	
Su. 27.	-95 -94	E. E. E.	32 34 39		Snow early A.M. bright at times in the day, with squally snow falls between. Dense and rocky clouds. Little frost in the night.	
M. 28.	-81 -81	NE. N. N.	30 32 38		Frost, & some snow in the morning, stormy clouds in the day, with sun at times. Clear & frosty evening.	
23.972		127.575		Mean Temp 35.56		last 4 days. Rain 2.11

Barometer.  
Highest on the 21<sup>st</sup> = 30.34.  
Lowest on the 10<sup>th</sup> = 29.02.  
Range 1.32  
Mean of Month = 29.90

Gales on 4 days.

Prevalent winds S, NE, & NW. Fine days 15 in number. but much divided in other points. Depth of rain 2.11 In.

This was a cold and very unsettled month, yet with but few frosts, and none severe; but the winds were harsh and keen from all quarters, and with very little sun, and the day temperatures so low, that it proved a very unpleasant, and ungenial time for Vegetation, and too moist for labour in field or garden.



# March 1881.

March	Bar. inches	Wind.	Thermom. Min. 8. Max.	Character.	Notes.	Rain.
Tu. 1.	30.04	NW <sup>2</sup> NW <sup>3</sup> W <sup>1</sup>	23 <sup>1</sup> 28 39	Clear morn'g, & keen frost, continued bright all day, but a cold wind. Dark clouds at sun-set, and the sun a fiery red. Fine night.		
W. 2.	25	N <sup>1</sup> N <sup>1</sup> SE <sup>1</sup>	29 33 40	Cloudy & frost A.M.; the afternoon chiefly bright, tranquil & drying day. Heavy even'g, but fine.		
Th. 3.	31	SSE <sup>2</sup> SE <sup>4</sup> SE <sup>5</sup>	31 35 39 <sup>1</sup>	Hazy & cloudy, blustering and cold, and wind increased further in the even'g, and a blowing night.		
Fr. 4.	29.78	SE <sup>3</sup> ESE <sup>3</sup> SE <sup>2</sup>	33 35 41	Overcast, some rain & snow early A.M., afterwards rain at times all day, and over-cast, with cold wind. Much milder even'g & night.	28	
Sat. 5.	58	SE <sup>1</sup> E <sup>1</sup> SE <sup>1</sup> & o.	37 42 44	Overcast, mild & rainy morn'g. Gloomy & thick most of the day, & rain at times. Calm and foggy evening. Heavy rain 9 & 10 pm.	09 42	
Su. 6.	49	SW <sup>3</sup> SW <sup>2</sup> SW <sup>1</sup>	40 49 56	Clouds & sun, mild & fine (floods on morn'g; fine mild and pleasant sunny day. Close & cloudy evening, and night, but fine.		
M. 7.	49	S <sup>3</sup> SW <sup>3</sup> SW <sup>4</sup> 3. 2.	48 52 57	Close, breezy & little rain moon 1 <sup>st</sup> Dr at 7 am. The day bright & warm with flying clouds and brisk wind. Squally showers at a distance, & some here. Stormy night.	02 02	
41786		24153165		Mean Temp 39° 85'. Rain cald up. 0.83		
		558.		More than 2° below Average.		

# March 1881.

March	Bar. inches	Wind.	Thermom. Min. 8. Max.	Character.	Notes.	Rain. 0.83
Tu. 8.	29.65	WSW <sup>3</sup> WSW <sup>5</sup> W <sup>5</sup> 3. 2	44 46 50	Squally wind, with sun, and many clouds. Storms of rain in the P.M. with hail & sharp thunder and lightning. Fine night.	08 15	
W. 9.	87	WSW <sup>5</sup> WSW <sup>6</sup> WSW <sup>4</sup>	39 46 55	Stormy rain at times, and strong gales, yet mild, & bright at intervals. Finer P.M., and the night fine & very mild.		
Th. 10.	30.04	WSW <sup>3</sup> SW <sup>3</sup> W <sup>3</sup> 2. 1.	48 52 58	Very mild, with clouds and sun; the middle of day warm & pleasant. Thick even'g, slight rain 8 pm. Fine night.	01	
Fr. 11.	11	W <sup>2</sup> W <sup>3</sup> W <sup>1</sup> 2. 3.	47 49 59	Bright & mild morn'g, and the day bright, and warm, with a drying air & very pleasant. Calm even'g, but breezy night.		
Sat. 12.	09	W <sup>2</sup> Var <sup>1</sup> NE <sup>1</sup> SE <sup>1</sup>	41 <sup>1</sup> 48 54	Partly bright, but a grey haze most of the day. Fine, mild, and tranquil. Clears after 5 pm, and a colder night.		
Su. 13.	12	SE <sup>3</sup> SE <sup>3</sup> SE <sup>2</sup>	37 40 45	Cloudy, & a cold breeze. Clearer from 10 am, clouds, and sun, with bleak drying wind. Fine night, but rather hazy.		
M. 14.	01	SE <sup>2</sup> SE <sup>2</sup> SE <sup>1</sup> & o.	37 40 46	Hazy but partly bright. with gentle wind and very light clouds. Bright with lines of plane clouds after 5 pm, and a calm evening.		
42017		2935367		Mean Temp 47° 178. Rain cald over 1.07		
		660.5		5° above Average.		



# March 1881.

March.	Baro. meter	Wind.	Thermom. Min 8 Max	Character.	Notes.	Rain 1.07
Tu. 15.	30.24	NE SE SE	32 40 51	Clear frosty morn, bright all day, and mild, drying & pleasant. Bright orange sunset. Clear night.	Full moon 10.37 pm.	
W. 16.	-45	E SE SE	28 34 56	Clear & frosty morn, very bright day, and much warmer, pleasant & cheering. Sun set in a line of grey cloud. Fine night.		
Th. 17.	-53	S W W	33 41 58	Bright with light haze in the morn, which increased, & a very bright sun continued all day, pleasant & warm. Even calm & mild.		
Fr. 18.	-51	W W W	40 45 59	Bright warm & drying with a soft breeze, a slight haziness in the afternoon. More hazy & cloudy from 5 pm.		
Sat. 19.	-24	W W WSW	41 45 59	Bright but blustering morn, and windy all day, but bright and mild, much warmer than the wind allowed to be felt. Mild & breezy night.		
Su. 20.	29.95	SW WSW W	43 46 48	Hazy & mild but breezy morn, cloudy day, and very little wind pm, but more again in the night.		
M. 21.	-82	W W WNW NW	34 41 46	Clouds and sun & a cooler breeze, fine & mostly bright, but after 4 pm cloudy, cold and some snow in the evening.	* ♀ ♀	
42335			251 377	Mean Temp 44° 85' Rain 1.07		
			628	= 2 <sup>8</sup> / <sub>10</sub> above Average.		

# March 1881.

March.	Baro. meter	Wind.	Thermom. Min 8 Max	Character.	Notes.	Rain 1.07
Tu. 22.	29.94 30.09	NW NW NW	5.29 34 43	Frost, & some snow showers in the morning. The day bright with clouds and a bleak wind, but less after 4 pm, & fine evening. Frosty night.		
W. 23.	-04	S S SSE S	28 34 49	Frost AM, bright with moon last 2 <sup>nd</sup> a haze. More hazy and cloudy in the day. Squally & lowering evening, and a squally night with showers after 12 pm.	3.29 a.m.	
Th. 24.	-44	SW W W	41 45 48	Stormy showers early a.m. Cloudy with a little sun & breezy all day, but fine. Colder evening, and night.		1/4
Fr. 25.	-50	WNW WNW W	33 37 42	Cold & rough wind increased to a bitter gale all day, & cloudy more or less. Little sun near 4 pm, then again cloudy.		
Sat. 26.	-79	NW NW N	32 37 41	Cloudy more or less, and a little sleet or small hail at times. But little sun, but a clear frosty night.		
Su. 27.	30.06	NE E E ESE	22 30 45	Very keen frost early, fog at 5. Then clear, bright till near 11 a.m., afterwards partly cloudy, and the clouds after sunset moving from S.E.		
M. 28.	-02	NE E SE E	27 37 48	Hoar frost early AM. Bright day, with light clouds. Warm in the sun rays, but not in shade. Clear sunset, and frosty night.		
41760			2135 3165	Mean Temp 37° 85' = 4° below Average.		
			530	Rain 1.21		



# March 1881.

March	Baro meter	Wind	Thermom min 8 max	Character	Notes	Rain 1.21
Tu 29. 29.82		W. 1. NW 2. NW 2.	23 35 52	Keen frost & clear morn, new moon bright till 1 pm, then some clouds & haziness. Cloudy and cold breeze from 3 pm. Clear & frosty night.	10. 32 pm.	
W. 30. 30.08		NE 2. NE 2. NE 1.	26 1/2 36 46	Keen frost, clouds & sun. but chiefly bright, and a cold breeze, chiefly bright at even g.	* 24 8	
Th. 31. -14		E 2. ESE 2. ESE 2.	30 40 47	Grey clouds & sun, with a drying breeze. Very bright all pm, but a bleak wind. Very brilliant sun set and clear breezy night.		
18013			79 3/4 145	Mean 3 days. 37.41.	Total rain - 1.21	

Barometer  
Highest on 17<sup>th</sup> = 30.58  
Lowest on 7<sup>th</sup> = 29.31  
Range 1.27  
Mean of month 29.98

Thermometer  
Highest on the 11<sup>th</sup>, 18<sup>th</sup>, & 19<sup>th</sup> = 59°  
Lowest on 27<sup>th</sup> am = 22.5  
Range 36.5  
Mean daily range 13.29.  
Mean of month = 41.95

Gales on 5 days.

Prevailing winds S.E., S.W.,  
and West.

Very slightly below  
the Average.

Fine days 25 in number.  
Depth of rain 1.21 Inch.

This was a fine and dry month, and from the 6<sup>th</sup> to the  
19<sup>th</sup> very mild, with some bright and pleasant days.  
But the beginning, and the last week were colder  
with some keen night frosts. Thunder on the 8<sup>th</sup>,  
and some hard gales in the 2<sup>nd</sup> & 4<sup>th</sup> weeks.  
A favourable seeding time.

# — APRIL 1881. —

April	Baro meter	Wind	Thermom min 9 max	Character	Notes	Rain.
Fr. 1. 29.97		E 2. E 2.3 ENE 2.	31 43 51	Very bright with a parching breeze all the day, & clear sunset. Bars of cloud rising in south from 4 pm.		
Sat. 2. -93		NE 4. NE 4. NE 3.	36 45 47 1/2	Bright with flying clouds, & blustering wind. cold and yet parching. Lower clouds in the evening. Colder night.	* 3 h	
Su. 3. -14	30.04	ENE 3. E 4. E 2.	32 40 43	Grey clouds & sun in the morning, afterwards very bright, but a blus- tering and cold wind. Clear amber C set.		
M. 4. -13		E 2. E 3. E 2.	29 41 46 1/2	Clear & keen air frost am, bright day with a few light clouds. Sun set in thin, hazy cirri. and a haze at night.		
Tu. 5. 29.97		E 3. E 2. E 1.	32 43 48 1/2	Some haze, but bright with thin clouds, & very bleak wind. More extent of thin cloud pm, and shows for change. Clear night.		
W. 6. -88		NE 2. NE 3. N 1.	33 45 49	Bright all day, warm moon 1 <sup>st</sup> 1/2 in the sun, but a. continued harsh air. Clear evening, and a frosty night.	3. 54 pm.	
Th. 7. -12	30.01	NE 2. ENE 2. NE 2.	31 1/2 44 49	Low clouds & sun, with bleak wind, and nearly alike all day. The solar power much less by the cold blast.		
42.0 41			22 4/5 33 4/5	Mean Temp 39° 92.	Rain none seen over 3 yet.	

559 = More than 8 1/2°  
under Average!



# APRIL 1881.

April	Baro. meter	Wind	Thermom. Min 9. Max	Character	Notes	Rain, none yet.
Fr. 8.	30.18	E 1.	31½	Bright and parching		
		E 3.	48	more wind again as the		
	-16	E 2.	52	day opened, but warm in		
				the sun at midday, and		
				a clear sunset.		
Sat. 9.	-18	E 1.	32	Clear, very bright with		
		E 2.	49	some clouds, but warmer		
	-17	E 1.	55	and very pleasant at		
				midday, and all the after	(Swallows appear.)	
				noon. Clear night.	(Cuckoo heard.)	
Su. 10.	-14	NE 1.	31½	Grey clouds all the morn		
		E 2.	47	gradually cleared off by		
	-08	ESE 2.	57	noon, and a bright and		
				warm afternoon. Clouds	(Bats seen.)	
				all moving from S to E.		
M. 11.	29.97	SE 1.	36	Hazy & light clouds, but		
		SE 2.	56	bright and very warm		
	-95	SSE 1.	64	and pleasant. Hazy		
				clouds & slight rain 5½		
				pm. Close & hazy night.		
Tu. 12.	30.00	SSW 1.	46	Hazy, close & warm morn	(Nightingale heard.)	
		SSW 1.	53	& very thick with a little		
	-04	S 1.	56	rain at times during the		
				day, the sun gleaming		
				finer evenings but clouds.		
W. 13.	-05	SE 1.	44	Close & hazy morn, clearer		
		SE 2.	54	after 10 am, warm & pleasant,		
	-07	SE 2.	62	with grey clouds and sun.	(Butterflies appear.)	
		S 1.		More breeze in the afternoon.	(Peacock & others.)	
				Fine evening, bright and		
Th. 14.	29.94	SE 1.	45½	Electric clouds & sun, close		
		SE 1.	55	& little rain at 7 am. Fine		
	-97	SE 1.	60	and pleasant day, and		
				the afternoon bright, but		
				thick & hazy after 5 pm.		
420.90			266.5	406	Mean Temp 48° 03.	Rain can't up } 11
			672.5	Nearly the Average.		

# APRIL 1881.

April	Baro. meter	Wind	Thermom. Min 9. Max	Character	Notes	Rain 0.11
Fr. 15.	30.00	SW 1.	47	Rain at times early		.22
Good Friday.		SW 1.	51	AM, fine after 6 am, but		
	-03	SE 1.	54	cloudy most of the day.		
				Partly bright at 4 & 5 pm.		
				Cloudy night.		
Sat. 16.	-09	SE 1.	39	Fog early, bright from		
		SE 1.	56	7 am, with some clouds,		
	-13	SE 1.	63	a warm & pleasant day.		
				and a sunny evening.		
Su. 17.	-13	NE 1.	39	Bright all day, warm	Cuckoo more	
Easter Day.		E 2.	56	and pleasant, few small	tuneful, &	
	-12	E 1.	66	clouds only, and a fine	butterflies	
				clear evening and night.	numerous.	
M. 18.	-12	NE 2.	39	Bright with more wind	64°	
		NE 3.	56	and bleaker after the		
	-10	N 5.	59	day opened, very parching.		
				Cloudy evening, & much colder.		
Tu. 19.	-10	NE 3.	37	Cloudy & cold, blustering		
		N 3.4	40	wind & a few snow flakes		
	-08	N 3.	43	at times. Little gleams		
		2. 1.		of sun after 3 pm, and		
				less wind. Fine night.		
W. 20.	29.94	N 1.	34	Clouds & sun, fine morn.		
		NW 3.	42	cold & cloudy day, some		
	-86	NW 2.	43	hail, & very little sun,		
				but brighter in the evening.		
				Very cold night, and		
Th. 21.	-81	NW 3.	28	Frost in the morn, un-		
		NW 4.	38	settled day, squally &		
	-83	NW 2.	48	bright intervals. Some		
				hail with the showers.		
				Fine night.		
420.34			263	376	Mean Temp 45° 21.	Rain can't over 0.34
			639	3¼° - below Average.		



# APRIL 1881.

April.	Baro. meter	Wind.	Thermom. min 9 max	Character.	Notes.	Rain. 0.34
Fr. 22.	29.83	W <sub>2</sub> NW <sub>1</sub> NW <sub>2</sub>	37 45 49	Clouds & sun in the morning. More clouded after 8, & some rain at 10, and at times after. Clearer & some sun from 3pm. Evenly cloudy. Fine night.	0.02	
Sat. 23.	30.11	NW <sub>1</sub> W <sub>1</sub> WSW <sub>1</sub> S <sub>2</sub>	35 44 54	Cloudy with sun, clearer from 11am. Bright and pleasant with some light clouds. Evenly cloudy, rain at 9 & 10. Then fine & wind NW.	0.07	
Su. 24.	30.05	NW <sub>2</sub> NW <sub>1</sub> W <sub>1</sub>	41 47 56	Clouds & sun, fine day and partly bright, the afternoon brighter, with some lighter clouds, and fine evening & night.		
M. 25.	29.98	SW <sub>2</sub> W <sub>2</sub> W <sub>2</sub> S 4.	45 56 63	Warm & some low clouds, clearer after 10am, warm & partly bright till noon. a shower at 1pm, then again fine and partly bright.	0.04	
Tu. 26.	30.10	W <sub>4</sub> WNW <sub>2</sub> NW <sub>2</sub> & 1.	40 51 54	Squally, unsettled, and flying showers with thunder & hail. Most in the North. Fine and clearer from 3pm. all evening & night.	0.05	
W. 27.	30.22	NW <sub>2</sub> NW <sub>2</sub> E <sub>1</sub>	35.5 50 57	Clouds & sun, stormy sky and sun at times, some hail in a few places. Wind changed to East at 4pm. Fine night.		
Th. 28.	30.33	SE <sub>1</sub> SW <sub>1</sub> W <sub>1</sub> S <sub>2</sub>	35.5 51 60	Fog early, bright from 5 am till near noon, then some clouds, and stormy appearance, but from 4pm mostly bright.		
420.99		2693933		Mean Temp 47° 32.	Rain can. up 0.52	
				662.5	1 deg. below Average.	

# APRIL 1881.

April.	Baro. meter	Wind.	Thermom. min 9 max	Character.	Notes.	Rain. 0.52
Fr. 29.	30.21	SW <sub>1</sub> SW <sub>1</sub> SW <sub>1</sub>	44 54 63	Close morning, little rain after 9am. then fine and warm, clouds & sun. and a cloudy evening. Some rain during night.		
Sat. 30.	29.82	SW <sub>1</sub> SW <sub>2</sub> S <sub>2</sub>	49 57 62	Gentle rain early AM. close with clouds and sun from 6am, warm growing day. Short showers at 8 & 9 pm, then fine.	0.18	
120.20		931255		Mean 2 days 54° 62.	Total rain 0.74	

Barometer.  
Highest on the 28<sup>th</sup> 30.33  
Lowest on the 21<sup>st</sup> 29.81  
Range 0.52  
Mean of Month 30.09  
No Gales in this month.

Thermometer.  
Highest on the 17<sup>th</sup> 66°  
Lowest on the 21<sup>st</sup> 28°  
Range 38°  
Mean daily range 16.91.  
Mean of Month 45.85  
2 1/2° below Average.  
Fine days 23 in number.  
Rainfall 0.74.

This was a fine and dry month, but for the most part cold for the season, and vegetation backward; while the latter portion of seeding was completed under a favourable state of sky, as it had proceeded in the previous month. From the 13<sup>th</sup> to 17<sup>th</sup> warm, and pleasant. On the 26<sup>th</sup> Much severe thunder.



# May 1881.

May.	Bar. meter	Wind	Thermom. Min. 9. Max.	Character.	Notes.	Rain.
Su. 1.	29.80 -78	SW <sup>3</sup> . SW <sup>4</sup> . SW <sup>2</sup> .	42 52 60	Bright with flying clouds, very squally wind, but partly bright. Less wind in the evening. Little rain at 7 & 9 p.m.		.02
M. 2.	-77 -81	SW <sup>2</sup> . NE <sup>1</sup> . NE <sup>2</sup> .	45 54 59	Close & hazy morning, much cloud at times, wind veered NE at 9 a.m. Clearer afternoon, & some sun. Cloudy evening & more wind. Fine night.		
Tu. 3.	-97 30.15	N <sup>2</sup> . N <sup>3</sup> . N <sup>0</sup> .	41 47 47	Clouds & sun, with cool wind all day alike and rather genial. Evening bright, but cold for the season.		
W. 4.	-13 -10	Var. 0. S <sup>2</sup> . SW <sup>2</sup> . SW <sup>1</sup> .	28½ 48 55	Clear & frost early, hazy after 7 a.m., sun at times. Cloudy & rain at intervals in the afternoon. (Thunder-storm 6 p.m.)		.15
Th. 5.	-23 -25	W <sup>1</sup> . WSW <sup>2</sup> . WSW <sup>2</sup> .	39 56 61	Bright morning, thin clouds and sun, with soft westerly breezes. Lowering in the evening & rainy signs. Fine, cloudy & warm night.		
Fr. 6.	-32 -46	SW <sup>2</sup> . SW <sup>2</sup> . SW <sup>1</sup> .	49 60 68	Close, warm & cloudy morning, partly bright after 10. 44 a.m. 9 a.m., and a very warm day. Close evening and the wind nearly calm.	δ & η	
Sat. 7.	-61 -71	W <sup>2</sup> . W <sup>2</sup> . W <sup>1</sup> . S <sup>2</sup> .	47 61 69	Bright and very warm with a few light clouds, & dying breeze, veered to S. after 5 p.m. Fine clear and cooler night. (Aurora bright 9 p.m.)		
422.09			29.15 41.9	Mean Temp 50° 71.4.	Rain condensed 0.17	
			710	= 3¼ deg below Average.		

# May 1881.

May.	Bar. meter	Wind	Thermom. Min. 9. Max.	Character.	Notes	Rain. 0.17
Su. 8.	30.71 -69	E <sup>1</sup> . Var <sup>2</sup> . NE <sup>2</sup> . NE <sup>2</sup> .	38 58 63½	Very bright all day, a few small clouds, and cooler breeze, and the evening similar to the day, but very cool.		
M. 9.	-65 -64	N <sup>2</sup> . N <sup>3</sup> . N <sup>3</sup> .	40 51 55	Bright with cumuli clouds, and very cool breeze, nearly alike all the day, but more cloudy evening & night.	δ & η	
Tu. 10.	-65 -68	NE <sup>2</sup> . NE <sup>2</sup> . NE <sup>1</sup> .	37½ 52 54½	Clouds and sun, but a very cool air, yet less wind than previous day, and bright evening, & night.		
W. 11.	-68 -60	NE <sup>0</sup> . NW <sup>1</sup> . Var <sup>1</sup> .	31 48 58	Frost early & clear morning. Grey clouds from 6 a.m. and warmer. Bright and pleasant afternoon and evening. Fine night.		
Th. 12.	-31 -43	NE <sup>1</sup> . E <sup>1</sup> . SE <sup>2</sup> .	34 57 66	Hazy but bright, warm and pleasant day, but more clouds after 2 p.m. and a little breeze in the evening. Mild night.		
Fr. 13.	-32 -17	S <sup>1</sup> . S <sup>1</sup> . S <sup>1</sup> .	41 60 70	Bright all day, and very warm, and pleasant. Hot afternoon, & very little wind, and a brilliant evening.	Full moon 10.24 p.m. δ & η	
Sat. 14.	-10 -04	W <sup>1</sup> . SW <sup>2</sup> . SW <sup>2</sup> . S <sup>1</sup> .	44 61 67	Bright with light clouds, very warm morning, more cloudy after 11 a.m., and close. Electric clouds all evening.		
426.87			26.55 43.4	Mean Temp 49° 96.4	Rain condensed 0.17	
			699.5	= 4½° below Average.		



# MAY 1881.

May.	Baro. meter	Wind	Thermom. Min. 9. Max.	Character.	Notes.	Rain 0.17
Su. 15.	29.95	SW <sub>3</sub> SSW <sub>3</sub> SSW <sub>3</sub> & 4.	50 56 64	Low clouds & sun, very hazy & breezy, but warm. The wind at times gusty, thick sky & sun dim. Squally eveng, but fine.		
M. 16.	-54 -96	SW <sub>3</sub> WSW <sub>4</sub> W <sub>6</sub> NW <sub>2</sub>	47 53 57	Squally wind, with some rain at 5 am; unsettled with drifty showers, and but little sun. Less wind in the eveng, but a colder air.	.02 .01	
Tu. 17.	30.12 29.89	S <sub>1</sub> SSW <sub>4</sub> S <sub>2</sub>	40 53 60	Hazy with clouds & sun, more wind after 12, cloudy, and slight rain. at times, but more in the night.	.04	
W. 18.	-73 -75	SSW <sub>3</sub> SW <sub>4</sub> SW <sub>2</sub> & 1.	51½ 55 62	Gentle rain early AM and at times from 10 to 12. Fine & partly bright in the afternoon till 4, then again showery, but fine after 7 pm, unsettled night.	.08 .04 .18	
Th. 19.	-73 -81	SW <sub>2</sub> SW <sub>3</sub> SW <sub>1</sub>	48½ 56 62½	Showery at 5 am, bright with flying clouds all the forenoon, and the af- ternoon mostly bright. showery eveng, fine night.	.04 .05	
Fr. 20.	-95 30.17	SW <sub>2</sub> SW <sub>3</sub> SW <sub>2</sub> & 1.	45 58 65	Bright with flying moon last clouds, little showers 3. 7 pm. at a distance. Warm & ♀ but breezy, and the eveng bright.		
Sat. 21.	-34 -44	SW <sub>1</sub> SW <sub>1</sub> S <sub>2</sub>	42 61 70	Very bright & trim * ♀ ♂ quail morn'g, contin- ued bright and hot, with cumuli clouds. Clear sunset.		
419.11		324441		Mean Temp 54° 642 Rain cov. up 0.61		
		765		Slightly above Average.		

# MAY 1881.

May.	Baro. meter	Wind	Thermom. Min. 9. Max.	Character.	Notes.	Rain 0.61
Su. 22.	30.55	SE <sub>1</sub> SE <sub>2</sub> E <sub>2</sub>	42 65 71	Very bright and no cloud, hot and parch- ing, but a cooler breeze after 2 pm. Clear and breezy night.		
M. 23.	-44 -36	E <sub>2</sub> E <sub>2</sub> ESE <sub>2</sub> & 3.	46 67 74	Very clear & bright, so continued all day and very hot, with a parching breeze. Sun set. red in grey electric haze.		
Tu. 24.	-29 -13	E <sub>2</sub> E <sub>3</sub> E <sub>2</sub> & 1.	50 65 69	Bright with brisk & parching wind, hot sun, but subdued by the breeze. Electric clouds in the eveng. Hard rain 9 pm.	.11	
W. 25.	-01 29.97	SE <sub>1</sub> SE <sub>1</sub> SE <sub>1</sub>	49 67 73	Fog early, bright & hot from 8 am till noon, then hazy all the afternoon. & very close. Eveng and night the same.	(Distant lightning SE - 10 pm.)	
Th. 26.	-91 -91	SE <sub>½</sub> SE <sub>1</sub> SE <sub>½</sub>	54 67 79	Sultry morn'g, blue haze, became very hot and bright after 9, & so all day with haze at times. close eveng, slight rain 8½ pm.	(at 12 - 75° 2 pm. 79° 5 pm. 72°)	
Fr. 27.	-93 -98	NE <sub>0</sub> NW <sub>2</sub> NW <sub>2</sub> & 1.	56½ 64 72	Grey haze & sultry morn'g. Cooler & some clouds at 8 & 9, then partly bright & hot, much thunder all pm. Bright eveng.	new moon 11. 36 pm. (Thunder 2 pm in NE. (and in North till 4 pm.)	
Sat. 28.	30.00 -06	NE <sub>1</sub> NE <sub>1</sub> NE <sub>1</sub>	50 61 70	Thunder showers at 7 & 8 am, partly bright from 10 am and hot afternoon till 3 pm. very electric clouds in the eveng.	(Thunder afternoon till 3 pm.)	.70
422.05		3475509		Mean Temp 61° 771. Rain cov. over 0.82		
		856.5		nearly 7° above Average.		



# MAY 1881.

May.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character	Notes.	Rain. 0.82
Su. 29.	30.14	E 2.	52½		Rain at 3 AM. Fine, warm, & bright with thin haze, and Solar Halo, & Parhelion. Evening also bright, and a clear & dewy night.	0.7
	-24	E 2.	63			
M. 30.	-35	E 1.	46		Clear, very bright and hot as the day proceeded, and so continued through- out, and very bright evening, and clear night.	
	-43	E 2.	68			
		E 1.	73			
Tu. 31.	-46	NE 1.	44		Clear, very bright and hot, and the afternoon extremely so. Evening also brilliant & very hot. — Sun set in a thin grey haze.	0.89
	-46	N 1.	68			
		Var 1.	77			
	18208		1423	220	Mean last 3 days 60° 4.16	Total rain 0.89

## Barometer

Highest on the 7<sup>th</sup> & 8<sup>th</sup> 30.71

Lowest on the 16<sup>th</sup> 29.54

Range 1.17

Mean of month 30.19

1 Gale on the 16<sup>th</sup>.

Prevailing winds, SW,  
NE, and East.

## Thermometer

Highest on the 26<sup>th</sup> 79°

Lowest on 4<sup>th</sup> AM 28.5

Range 50.5

Mean daily range 20.70

Mean of month 54.73

Slightly above the corrected  
Average.

Fine days 24 in number,  
Depth of rain 0.89 only.

This was a very fine and dry month, and from  
the 13<sup>th</sup> to the end, very warm growing weather,  
and often very hot from the 21<sup>st</sup>. The landscape  
in fullest verdure before the month's end.  
On 31<sup>st</sup> at 10½ pm, a beam of white light rose in NE, and  
slowly moved up until it passed the zenith, and com-  
pleted an Arch by reaching the opposite horizon.

# JUNE 1881.

June.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character	Notes.	Rain.
W. 1.	30.37	W ½.	45		Clear, calm & dewy morn'g; bright & very hot all day. Some very light clouds at 3 & 4 pm, bright evening & fine night.	(noon 76° 2 pm 77½°)
	-32	NW 1.	69			
		SE 2.	77½			
		E 1.				
Th. 2.	-28	E 1.	51		Fog till near 7 am, then bright and hot, with light fleecy clouds.	(1 pm 77° 2½ pm 77°)
	-26	E 1.	67		Some electric clouds on W horizon. Fine night.	
		ESE 1.	77			
Fr. 3.	-26	NE 1.	53		Grey haze, but bright, & hot, clearer & haze gone in the afternoon.	
	-23	NW 2.	67		Dusky electric clouds in the evening, close all night.	
		NW ½.	73½			
		S 1.				
Sat. 4.	-17	SW 1.	52		Very hot with some light clouds, but more wind after 1 pm.	(noon 77° 2 pm 79°)
	-01	SW 2.	69		Very close haze, and breezy night.	
		SW 1.	79			
Su. 5.	29.81	SW 3.	57		Sultry breeze & cloudy moon 1 <sup>st</sup> 2 <sup>nd</sup> morn'g, gentle rain at 3. 19 am.	
Whitsunday.	-67	SW 4.	61		noon, which continued all the afternoon, and again part of the night.	30
		SW 2.	61			
M. 6.	-59	W 1.	50		Cloudy & showery early, & 7 <sup>th</sup> in the morn'g. Violent (Terrific) thunder-storm 11 am, in SW & again in SW, 4 pm. (11 AM SW)	30 02
	-63	N 2.	53		Fine here till 6 PM, then hail & thunder.	19
		NW 2.	59			
		NW 2.				
Tu. 7.	-70	NE 2.	45		Cloudy with sun be- tween, and a cool breeze.	* 7 7
	-82	NE 2.	51		Unsettled and great change by yesterday's storm. Fine & clear night.	
		N 2.	56½			
		SE 1.				
	420.12		3534835		Mean Temp 59° 75.	Rain over 0.81

836.5 = 1° below Average.



# JUNE 1881.

June	Baro meter	Wind	Thermom Min 9. Max	Character	Notes	Rain. 0.81.
W. 8.	29.93 30.13	N 2. NE 2. NE 2. 3.	42 1/2 52 56 1/2	Very cool and clear morn'g. Continued chiefly bright, with cumuli clouds, & very cool breeze, nearly alike all the day, and great change from recent frost.		
Th. 9.	-22 -29	NW 3. NW 3. N 1.	39 50 54 1/2	Ungenial wind, with little showers & some hail, & sun at times. (Temp. 14 1/2 below Low Average)	02	
Fr. 10.	-27 -18	N 2. N 2. NW 1. W 0.	41 50 57	Clouds and sun, fine & but little wind in the afternoon. Calm and hazy evening. Very fine night, & chiefly calm.		
Sat. 11.	-13 -12	SE 1. SW 1. SW 1. & 0.	41 58 65	Bright with light clouds, warm and pleasant, with a gentle wind. Hazy and close from 4 pm, all evening.		
Su. 12.	-13 -12	W 1. WSW 2. WSW 1. W 1.	51 60 66	Hazy & close morn'g, & Full moon dark clouds at times, 6.56 am. with some bright inter- vals after 11 am, and the most of the afternoon.		
M. 13.	-15 -17	W 1. W 1. W 1.	46 57 59	Hazy with gray clouds more or less, but fine and a little sun at times. Cloudy evening from 4 pm, night clear.		
Tu. 14.	-17 -13	W 1. NW 1. W 1. S 1.	41 56 63	Clear morn'g, some clouds after 8 am. Fine and pleasant, and par- tially bright. Evening brighter & wind S.		
422.14			3015 421	Mean Temp 51° 60', Rain 0.83 722° 5' = 9° below Average.		

# JUNE 1881.

June	Baro meter	Wind	Thermom Min 9. Max	Character	Notes	Rain. 0.83
W. 15.	30.10 -10	SE 1. SE 2. SE 1.	41 62 72	Very bright and few light clouds only. Hot all the middle of the day. Hazy & dappled after 4 pm. Close night.		
Th. 16.	-12 -10	SE 2. SE 2. SE 2.	50 64 71	Hazy & warm, but part- ly bright, warm breeze, and very pleasant. Very hazy and thick evening, and night.		
Fr. 17.	-06 -06	SE 1. SE 2. SSE 2.	56 65 72	Hazy, close, & electric, with dappled clouds, & very warm. some sun, but mostly hazy. more or less. Cloudy and close night.		
Sat. 18.	-03 29.98	SSE 1. SSE 0. S 1. S 2.	58 62 63	Hard rain 2 to 3 am. Sub- try, calm, & foggy till 11 am. then clouds, little wet at times. Close and cloudy night, but fine.	moon last Dr. 9.18 pm.	45 02
Su. 19.	-92 -90	SSW 2. SW 2. SW 2. & 1.	56 63 71	Close morn'g, little rain 5 am, cloudy till 9, then chiefly bright with light clouds, and a very bright evening also, & fine night.		02
M. 20.	-92 -90	SW 2. SW 2. SSW 1.	53 63 67	Bright till near 7 am, after 3 wards clouds & sun, warm, and rather electric. The evening more so, with dap- pled sky. Close night, and very fine.	24 1/2	
Tu. 21.	-75 -78	SSE 2. S 3. S 4. SSW 3.	55 1/2 66 72 1/2	Sultry & distant Thunder NW at 7 am. Clearer after 10, hot with flying clouds, and bright sun between, but the wind blustering.	Thunder. NW. 7 am.	
419.72			3695 4885	Mean Temp 61° 28. 858 = Rather above Average.		
				Rain 1.32		



# JUNE 1881.

June	Baro. meter	Wind	Thermom. Min. 9. Max.	Character	Notes	Rain 1.32
W. 22.	29.81 -92	SSW <sub>3</sub> SW <sub>4</sub> SW <sub>2</sub>	57 65 70		Clouds and sun, squally wind, very blustering, but warm. - Some showers at a distance. Bright evening & wind abated. Fine night.	
Th. 23.	30.12 -31	WSW <sub>2</sub> W <sub>2</sub> W <sub>2</sub> & 1.	52 63 68		Bright with light clouds, warm and pleasant, and became calm in the afternoon, and very bright and lovely evening.	
Fr. 24.	-37 -33	SE <sub>1</sub> SE <sub>2</sub> SE <sub>1</sub>	53 66 73		Very warm, and partly bright with electric light clouds. Hot & mostly bright from 11 am. Little haze in west at evening. and hazy night.	
Sat. 25.	-18 -11	SE <sub>1</sub> S <sub>2</sub> SW <sub>2</sub> SW <sub>1</sub>	47 64 66		Hazy & cloudy, close & warm, became overcast after 11 am rain at noon, and at times in the afternoon. Evening clear & some part bright.	05
Su. 26.	-22 -38	W <sub>2</sub> W <sub>2</sub> W <sub>1</sub> SSE <sub>1</sub>	50 65 70		Bright, with light clouds, no moon very warm and pleasant 2. 4 pm. alike all the day, but the wind veered at 5 pm to S.E. Hazy night, but fine.	
M. 27.	-12 -04	S <sub>2</sub> SW <sub>2</sub> SW <sub>2</sub> & 1.	54 63 66		Hazy, close and cloudy morning, slight gleams of sun. More clouded from noon, & rainy afternoon. Evening clearer, fine & calm.	18
Tu. 28.	-13 -23	W <sub>2</sub> W <sub>2</sub> W <sub>1</sub> & 0.	49 64 66		Bright, with cumuli clouds, and a fresh breeze, very fine and pleasant. Tranquil evening, and again clearer.	
422.27			362.479	Mean Temp 60° 07.	Rain 1.55	
841 = $\frac{3}{4}$ below Average.						

# JUNE 1881.

June	Baro. meter	Wind	Thermom. Min. 9. Max.	Character	Notes	Rain 1.55
W. 29.	30.29 -32	W <sub>1</sub> W <sub>1.2</sub> W <sub>1</sub> & 0.	52 65 70		Bright with cumuli clouds, very warm, and pleasant day. Very bright and lovely evening. Clear night.	
Th. 30.	-39 -35	W <sub>1</sub> SW <sub>2</sub> SW <sub>1</sub>	47 65 72		Clear dewy morning, warm & breezy day, with clouds & sun. Hot afternoon, and brighter. Evening the same.	
121.35			99.142	Mean of last two days.	60° 25.	Rain = 1.55
Barometer.				Thermometer.		
Highest on the 30 <sup>th</sup> = 30.39.				Highest on the 4 <sup>th</sup> = 79°.		
Lowest on the 6 <sup>th</sup> = 29.59.				Lowest on the 9 <sup>th</sup> am 39°.		
Range 0.80.				Range — 40°.		
Mean of Month 30.09.				The Mean daily range — 17° 63.		
No Gales during the month, but rough on 22 <sup>nd</sup> .				Mean of Month 58° 31.		
Prevailing currents SW, West, and S.E.				2½° below the corrected Average of last 40 years.		
				Fine days 24 in number.		
				Rain-fall 1.55 Inch.		

This was a very fine month, and excepting a few days in the second week, it was warm and pleasant throughout, and some days very hot at the beginning and in the latter half of the month. The Clover and hay-crops short, but mostly well secured and the quality good. Much of the hay-grass remains to be cut, waiting for rain to increase the bulk. The Corn and pulse look very fairly in most cases.



# JULY 1881.

July	Baro meter	Wind	Thermom min 9. Max	Character	Notes	Rain
Fr. 1.	30.18	SSE 2.	54		Close & electric; bright from 9 AM, & very hot, but very breezy at times. Evening hazy, dappled & sultry. Wind veered at 7 pm to West. Fine clear night.	
	-11	S 2. S 1. W 2.	70 78			
Sat. 2.	-19	W 1. W 2. S 1. SW 1.	52 67 1/2 73		Very bright and hot, but more clouds after 11 am. Pleasant day with sun & cloud, & little breeze. Wind returned to S, at 4 pm. Hazy evening & night.	
Su. 3.	-21	SW 3. WSW 2. to 4. WSW 1.	52 68 81		Sultry, breeze & grey clouds. very hot all day, with clouds, & sun, although gusty at times. Very sultry all night. (at 1 pm 80° 2 3/4 pm 81° 6 1/2 pm 76° 8 1/2 pm 77°)	
M. 4.	-29	WSW 2. W 2. W 2. & 1.	63 74 87		Very sultry & oppressive. bright from 8 am, and extremely hot all day. Clear evening, Therm 80° at 4 pm & 78° at 8 pm. Clear night. (Moon 1 1/2 Dr 5. 16 pm. Th 11 am 81 1/2° 1 pm 86° 2 pm 87°)	
Tu. 5.	-31	SE 1. SE 2. SSE 2.	62 1/2 80 88		Very bright, and excessive heat all day, a few small clouds in the pm. Some haze & cirri at evening, and darker clouds soon followed. (10 am 83° noon 88° 6 pm 82°)	
W. 6.	29.88	SE 2. S 3. SW 2. W 3.	66 70 71		Sharp thunder-storm at 2.30, & 5.30 AM, and again at noon, & after; finer but much cooler from 3 pm. and chiefly cloudy in the evening. (much Thunder.)	50 22
Th. 7.	30.12	W 4. W 3. W 3. 2. & 1.	50 60 63		Breezy & bright, with some clouds, and more clouded in the midday. Cool breeze but fine, and the evening calm.	
	-14					
422.24		399.541		Mean Temp 67.178. Rain cald up 0.72		
		940.5		3.428 above Average.		

July	Baro meter	Wind	Thermom min 9. Max	Character	Notes	Rain
Fr. 8.	30.12	SW 1. SW 2. SW 1. & 0.	52 63 66		Bright till 6 am then cloudy with sun, close and hazy at times, and more so after 4 pm, till 7, then a clearer night.	
Sat. 9.	-06	W 1. W 1. SW 1. & 0.	51 65 71		Very bright morning, and fine warm day, with clouds & sun. Some haze in the evening, but very fine & calm. (showers at 10 pm.)	10
Su. 10.	-13	W 3. W 4. W 2. & 1.	55 65 70		Warm breeze, afterwards gusty with clouds & sun. fine day, & the afternoon chiefly bright, wind less in the evening.	
M. 11.	-31	SW 1. SW 3. SW 1. & 0.	55 71 78		Bright & lovely morning. Full moon and very bright & hot day, and brilliant evening. Sun set in full lustre & clear night. (2. 13 pm.)	
Tu. 12.	-22	S 1. SW 1. S 1. W 2.	57 75 80 1/2		Glorious morning, very bright & hot. Little rain at 11 1/2 - & distant Thunder. Again bright all the PM, thunder in E, 6 pm. Fine night, & very warm. (* 40 10 1/2 AM 80° (Thunder))	03
W. 13.	-27	W 2. W 2. W 1. & 0.	54 69 77		Bright with light clouds, and thin haze, but hot, and seasonable, and more so late in the pm, and a brilliant evening.	
Th. 14.	-42	SW 2. SW 1. SW 0.	58 71 84		Bright and very hot with a few small cumuli only. Very brilliant & hot evening also, and sultry night. (10 1/2 AM 77° 11 1/2 AM 80° at noon 82° 2 pm 84° 5 pm 82° 8 pm 74° Rain cald over)	0.85
	-39					
423.24		382.5265		Mean Temp 64.892.		
		908.5		1.14 above Average.		



# JULY 1881.

July.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain 0.85
Fr. 15.	30.30 -18	S <sub>1</sub> SW <sub>1</sub> SW <sub>1</sub> S <sub>0</sub>	60 79 91.2	Clear & very hot morning Excessive heat all day & very bright. Even- ing & hazy. A breeze at 11 pm. - distant lightning & thunder after midnight.	10 am 83° noon 89° 1 pm 90° 2 pm 91.2° 5 pm 86° 8 pm 78°	
Sat. 16.	-20 -22	SW <sub>0</sub> NW <sub>0</sub> SE <sub>1</sub>	62 72 77	Sharp lightning & thunder 5 am. Bright & very hot from 8 am till noon, close PM, & more clouds, and the evening & night similar.	(Thunder) 05	
Su. 17.	-24 -20	SE <sub>1</sub> SE <sub>1</sub> SW <sub>2</sub> S <sub>1</sub>	58 71 78	Grey clouds & sun, close morn'g, but became bright & very hot. After 8 with light clouds, a charming day, & lovely bright evening.		
M. 18.	-15 -11	W <sub>2</sub> W <sub>2</sub> WSW <sub>1</sub> W <sub>0</sub>	62 76 87	Bright & hot morning and a very hot & bright day, the afternoon ex- cessively so, & a calm oppressive evening.	noon last Dr 5.33 am. 11 am 84° 2 pm 87° 8 pm 74.2°	
Tu. 19.	-05 29.98	SW <sub>0</sub> SW <sub>1</sub> Var. E <sub>1</sub>	60 78 88	Sultry & electric morn'g very bright from 8 am, and excessively hot. Supple & hazy after 4 pm. Hazy night & change.	11 am 84° noon 87.2° 1 pm 88° 6.2 pm 77°	
W. 20.	30.00 -02	NNW <sub>2</sub> NW <sub>1</sub> NW <sub>2</sub> W <sub>2</sub>	58 62 71	Cloudy, cooler, & little sprin- kling of rain early. Fine and bright PM, very pleasant, and the evening bright. Very fine night.		03
Th. 21.	-11 -17	WNW <sub>2</sub> NW <sub>1</sub> N <sub>0</sub> E <sub>2</sub>	50 60 71	Bright with light clouds, and a very plea- sant heat. Wind veered to East 4 pm, but the clouds moved from West.		

421.93

410.5635

Mean Temp 69° 53.5! Rain  
can. up 0.93  
973.5 = Nearly 6° above Average!

# JULY 1881.

July.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain 0.93
Fr. 22.	30.12 -02	S <sub>2</sub> SW <sub>2</sub> SW <sub>3</sub> S <sub>2</sub>	48 63 66	Breezy, clouds & sun. rain at 3 pm, a slight sprinkling, but clearer after 5 pm, and very fine night.	0.48	
Sat. 23.	-05 -11	W <sub>2</sub> W <sub>1</sub> SW <sub>2</sub> SW <sub>0</sub>	55.2 67 71	Bright morn'g, with cu- muli clouds & hot for so early in the day: continued pleasant with clouds & sun. slight rain at 8 pm.	* 0.8	02
Su. 24.	-03 29.89	SW <sub>2</sub> SW <sub>2</sub> S <sub>2</sub>	57 65 71	Close & cloudy morn'g, pleasant, close, and warmer day, much cloud but sun at times. Showers & thunder after 3 pm.	(Showers & thunder pm.)	06
M. 25.	-82 -78	W <sub>4</sub> W <sub>4</sub> WSW <sub>1</sub>	51 63 67	Clear morn'g, but from 9 am, clouds & blustering wind, with some sun. Less wind from 3 pm, and cloudy night.		
Tu. 26.	-71 -84	NW <sub>2</sub> NW <sub>2</sub> NW <sub>2</sub>	51 58 63	Hazy & cloudy morn'g, lit- tle rain at times, showery PM, & much thunder west- ward. Fine evening and night, & chiefly cloudy.	new moon 5.19 pm (Thunder)	05
W. 27.	30.07 -23	NW <sub>1</sub> NW <sub>1</sub> NNE <sub>1</sub> Var. W <sub>1</sub>	48 55 61.2	Cloudy more or less, and little sun, but bright af- ter 3 pm, & so continued all the evening. Fine & clear night.		
Th. 28.	-29 -21	WSW <sub>2</sub> SW <sub>2</sub> S <sub>2</sub>	47 65 70	Very bright morn'g, heat increasing much from 8 am some cumuli after 10 am, and hazy from 2 pm, and great signs of rain at hand.		

420.17

357.54695

Mean Temp 59° 07. - Rain  
can. over 1.06  
827 = 4 7/10 below Average.



# JULY 1881.

July	Baro. meter	Wind.	Thermom. Min 9 Max	Character	Notes	Rain 1.00
Fr. 29.	30.06 -12	SW <sub>3</sub> WSW <sub>3</sub> WSW <sub>2</sub>	56 67 72	Gentle rain from 3 to 6 AM. cleared off at 8, bright with light clouds, & very warm. Close evening, clouds & haze, but fine. Clear at sunset.		25
Sat. 30.	-06 29.89	S <sub>2</sub> SSW <sub>1</sub> S <sub>1</sub> S <sub>2</sub>	57 64 68	Close, hazy, and cloudy more or less till noon, then steady rain at times. From 2 pm. clearer, and partly bright. Stormy looking sky, but fine night.		05
Su. 31.	-84 -64	S <sub>2</sub> S <sub>3.4</sub> SSW <sub>3</sub> SW <sub>3.2</sub>	57 62 67	Close morning, rainy from 8 am. with a gusty wind all the fore- noon. Cloudy but finer pm. and partly bright after 4 pm. shower at 8 1/2 pm. then cleared.		23 70
179.61		170.2075		Mean last 3 days 62° 9' 16". Rain 1.69.		

## Barometer.

Highest on the 14<sup>th</sup> = 30.42  
Lowest on 31<sup>st</sup> = 29.64  
Range 0.78

Mean of Month 30.11

No Gales, but on 31<sup>st</sup> very  
squally.

Most prevalent currents  
SW and West.

## Thermometer.

Highest on the 15<sup>th</sup> = 91 1/2°!  
Lowest on 28<sup>th</sup> am = 47°  
Range 44.5°

Mean daily Range = 19° 25'

Mean of the month 64° 95'

1 1/4 Degree above Average.

Fine days 22 in number,  
Rainfall 1.69 Inch.

This was a notably hot month, especially in the first  
three weeks, and in some places in England the heat  
on the 15<sup>th</sup> exceeded all on record! In London 98° was  
registered; at Greenwich above 97°, and at Framlingham  
Suffolk the same. The drought was also severe, most  
of the month. Thunder-storms on the 6<sup>th</sup>, 12<sup>th</sup>, 16<sup>th</sup>, 24<sup>th</sup>  
and 26<sup>th</sup> with partial rain, and on 29<sup>th</sup> & 31<sup>st</sup> some steady  
rain. — Many deaths from the heat, the first 3 weeks  
producing a mean 5° above Average!

# August 1881.

August	Baro. meter	Wind.	Thermom. Min 9 Max	Character	Notes	Rain
M. 1.	29.90 -96	W <sub>1</sub> W <sub>2</sub> WSW <sub>1</sub> S <sub>1</sub>	50 65 72	Clear, bright & lovely morn'g, continued bright with casual clouds, and hot from 10 am. wind veered to S at 3 pm. Hazy even'g, but very fine & the night also.		
Tu. 2.	30.19 -25	SW <sub>2</sub> SW <sub>3</sub> S <sub>2</sub> S <sub>1</sub>	56 62 71	Close & hazy; dusky clouds and sun, calm & sultry. wind to S at 3 pm. Evening brighter, and a little breeze. Close night, & very fine.		
W. 3.	-30 -33	SW <sub>2</sub> SW <sub>3</sub> WSW <sub>2</sub> S <sub>1</sub>	52 62 71	Hazy and close, chiefly cloudy, with warm breeze and but little sun. Close & cloudy even'g, & sultry night, but very fine.	Moon 1 <sup>st</sup> Dr. 4.22 am.	
Th. 4.	-42 -35	W <sub>2</sub> W <sub>1</sub> W <sub>2</sub>	59 66 80	Sultry morn'g & hazy; be- came hot, & bright at 10 am, and a very hot afternoon. and brilliant evening. Clear & dewy night.	☐ ☉ ☿	
Fr. 5.	-26 -08	SSE <sub>1</sub> S <sub>2</sub> S <sub>2</sub> S <sub>1</sub>	58 72 83	Clear, very bright, and ex- tremely hot, with a fresh breeze: thin haze after 3 pm. and the even'g more hazy. Night fine & clearer.	* § 24 11 1/2 AM. 80° 1 pm - 81° 2 pm - 83°	
Sat. 6.	-15 -26	SW <sub>2</sub> W <sub>3</sub> W <sub>2</sub> S <sub>1</sub>	58 66 75	Breezy & bright morning, continued bright & hot, & wind less. More clouds after 3 pm, but a sunny evening, & fine night.		
Su. 7.	-29 -18	SW <sub>1</sub> SW <sub>2</sub> SW <sub>1</sub>	52 64 74	Bright morn'g, and a fine hot day, thin grey haze, but chiefly bright. A stronger blue haze 3 pm. Sun set red in haze.		
422.92		385.526		Mean Temp 65° 07'. —		Rain cont over none
		911		= 1 1/2 above Average.		



# August 1881.

August	Baro. meter	Wind	Thermom. Min. 9. Max.	Character	Notes	Rain
M. 8.	30.02	SW <sub>2</sub> .	55		Bright morn'g, with electric clouds, hot & sunny, but electric all day. Dark in W. at 4 pm & fair at 5 & during evening and hard at 8 & 9 pm.	
	29.88	SW <sub>2</sub> .	67			
		SSW <sub>2</sub> .	77			
		SW <sub>4</sub> .				
Tu. 9.	-65	SW <sub>3</sub> .	54		Stormy rain at times heavy from 8 till near 11 am. Then fine, and became bright after 2 pm. Calmer evening, and a fine night.	45
	-88	W <sub>3</sub> .	56		Full moon 9. 7 pm.	63
		NW <sub>3</sub> .	62			
		2. 1.				
W. 10.	-92	W <sub>1</sub> .	54		Cloudy, little sun, fine & pleasant till noon. Slight rain at 1 pm. Squally shower near 6 pm, then bright.	02
	-89	SW <sub>2</sub> .	61			03
		SW <sub>1</sub> .				
		NW <sub>4.2</sub> .	64			
Th. 11.	30.07	W <sub>4</sub> .	50		Clear & cool breeze, fine till noon, then overcast & rain at times in the afternoon & evening, & part of the night.	55
	29.89	W <sub>2</sub> .	62			
		W <sub>1</sub> .	65			
Fr. 12.	-95	W <sub>1</sub> .	50		Cloudy and cool all the morn'g, overcast noon, and gentle rain from 1 pm. and continued more or less till near midnight.	45
	-80	W <sub>1</sub> .	55			
		SW <sub>1</sub> .	57			
Sat. 13.	-78	W <sub>2</sub> .	46½		Clear till near 10 am. then cloudy, and cool with more wind.	
	-84	W <sub>2.3</sub> .	55		Very cool & gloomy afternoon & evening, and little shower at 6	02
		W <sub>2</sub> .	56½			
		NW <sub>2</sub> .				
Su. 14.	-85	WSW <sub>2</sub> .	51		Cloudy with sun, a.m., brighter in the afternoon, & a drying breeze, much warmer at 3 pm. Fine breezy night.	
	-92	W <sub>2.3</sub> .	58			
		W <sub>3</sub> .	65			
	418.34		36054465		Mean Temp 57.64	Rain 2.15
			807		5½ below Average nearly.	

# August 1881.

August	Baro. meter	Wind	Thermom. Min. 9. Max.	Character	Notes	Rain
M. 15.	29.95	W <sub>2</sub> .	50		Bright till 7 am, then cloudy till noon, but the afternoon partly bright. Evening hazy & thick. Very close night.	
	-91	W <sub>2</sub> .	57			
		W <sub>½</sub> .	63			
Tu. 16.	-80	SW <sub>½</sub> .	55		Hazy & close morn'g, moon last seen a calm, close and cloudy day, and dark lowering sky all the evening.	
	-70	Var. 0.	60			
		S.	65½			
		SE.				
W. 17.	-60	SW <sub>2</sub> .	56		Hard showers after 5 am till near 7, then finer, and the afternoon partially bright. Evening cloudy. Rain at times. Unsettled.	30
	-62	W <sub>2</sub> .	60			06
		W <sub>2</sub> .				
		WSW <sub>1</sub> .	65½			
Th. 18.	-65	W <sub>2</sub> .	53		Shower at 4 AM. Many clouds with sun at times. Bright & calm from 4 pm till 7 pm, but a thick sunset.	05
	-93	WNW <sub>3</sub> .	58			
		W <sub>2.1</sub> .	65			
		W <sub>0</sub> .				
Fr. 19.	-87	S <sub>1.2</sub> .	53		Rain at 7, and squally & wet forenoon, finer P.M., little sun, and quite bright from 4 pm, all the evening. Fine night.	22
	-63	S <sub>3</sub> .	57			02
		SW <sub>2</sub> .	65			
		3.				
Sat. 20.	-93	WSW <sub>2</sub> .	48½		Bright & breezy morn'g. continued bright, with cumuli clouds, fine and pleasant. Evening also bright, and calm, but hazy.	
	30.04	W <sub>2</sub> .	59			
		W <sub>1</sub> .	65			
		8. 0.				
Su. 21.	29.98	SW <sub>0</sub> .	52		Calm & hazy, close and some heavy clouds, little showers at 2 pm. then gloomy, & rain in the evening. Night fine.	08
	-90	SW <sub>0</sub> .	58			
		S <sub>½</sub> .	62			
	417.46		3675451		Mean Temp 58.46.	Rain 2.88
			818.5		5° below Average.	



# August 1881.

August	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain 2.88
M. 22.	30.04	S 1. S 2. SW 2. W 2.	48 1/2 60 67	Fog till after 8, then clearer, bright & pleasant with cumuli clouds till 3, then showery, but a calm & bright evening, and fine night.		.07
Tu. 23.	29.95	SSE 2. SE 3. SE 1.	54 65 70	Clouds & sun, warm & electric morn'g. Hot & bright from 10 a.m. till after 1 p.m., hazy from that time, & showery evening till 6, then a fine and close night.		.08
W. 24.	30.72	SW 3. WSW 4. W 4.3. W 2.1.	55 60 66	Warm & breezy, clearer after 9, flying clouds & sun. Distant Thunder, evening more tranquil, and chiefly bright.	new moon 8.5 p.m. Thunder 1 p.m. and 2 p.m. S. & N.	.01
Th. 25.	30.95	SW 1. S 2. S 2.5	49 59 62	Clear till 7 a.m. then fog & became overcast & light rain drifting at times, and some hoar at 4 p.m. Thunder in S. 7 p.m. Breezy night.	Thunder 7 p.m. S.	.05
Fr. 26.	30.58	SW 3. SW 5. SW 2.	58 63 68 1/2	Shower at 4 A.M., bright from sunrise with gusty wind & flying clouds, very bright evening, and much less wind. Very fine night.		.06
Sat. 27.	30.81	W 2. W 1. WNW 1. W 1.	49 58 61	Clear till 7, then clouds & sun, but rather more cloud about noon, but partly bright in the afternoon. Evening rather cloudy & calm.		
Su. 28.	30.11	W 1. W 2. W 1. SW 1.	43 59 66	Clear dewy morn'g, bright with cumuli clouds all day, & a brisk wind. Bright evening & less wind. Fine night.		
41838 35254605 Mean Temp 58.07. Rain 3.15.						

813 = 5 1/4° below Average.

# August 1881.

August	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain 3.15
M. 29.	30.21	SW 2. SW 2. SW 2.	50 59 61	Cloudy, and breezy, and light rain at times with scarcely any sun. Rain increasing after 8 p.m. through thought.	* ♀ 4	.06
Tu. 30.	29.89	SSW 1. SW 2. W 1.	54 1/2 60 63 1/2	Heavy rain from 2 to 5 a.m. then fine, and from 10 a.m. at times bright till 2 p.m. Thunder N. at 3. - Evening showery. Night fine.	Thunder 3 p.m. N.	1.12
W. 31.	30.18	NE 2. NW 2.4 NW 2.	50 55 57	Clouds & sun, slight flying showers, & very cool breeze. Finer & clearer night.		.02
18056 15431815 Mean 3 days. 56° Rain 4.45.						

## Barometer.

Highest on the 4<sup>th</sup> = 30.42  
Lowest on the 26<sup>th</sup> = 29.58  
Range .84  
Mean of Month 29.96  
Gales on 2 days, the 25<sup>th</sup> and 26<sup>th</sup>.

## Thermometer.

Highest on the 5<sup>th</sup> = 83°.  
Lowest on 28<sup>th</sup> AM = 43°.  
Range 40°.  
Mean daily range 14.24  
Mean of Month = 59.44.  
4° - below the Average!

Prevailing currents West, and S.W., on 24 days.

Fine Days 15 in Number.  
Rain-fall 4.45 Inches!

This month was very hot and dry till the night of the 8<sup>th</sup>, then very showery and unsettled with a few fine intervals only; and very stormy on 24<sup>th</sup>, 25<sup>th</sup> & 26<sup>th</sup>, and a great rain on 30<sup>th</sup>, early A.M. Very unfavourable for harvest in the last 3 weeks, and cool for the season.



September 1881.

September	Barometer	Wind	Thermometer	Character	Notes	Rain
		Dir. & Force	9. Am. & 3. Pm.			
Th. 1.	30.22 -23	NW <sub>2</sub> NW <sub>2</sub> NW <sub>2</sub>	49 54 55	Cloudy, very cool, and slight rain at times in drifting showers. Finer in the night and less wind.	moon 1st. 2. 2 p.m.	.05
Fr. 2.	-22 -22	NW <sub>2</sub> N <sub>2</sub> N <sub>2</sub> 8 1.	49 55 59	Low clouds, & light showers, with sun at intervals, but mostly cloudy, and the night nearly the same.	Δ 8 1/2	.03
Sat. 3.	-12 -08	WNW NW NW	53 1/2 58 62	Cloudy with sun till noon, excessive rain between 1 & 2 p.m., and lighter rain most of the even'g. Night finer.	(Thunder distant. Great rain storm.)	1.00 2.2
Su. 4.	-02 -00	E Var W NE	52 58 63 1/2	Bright with cumuli clouds till 1 p.m., then a stormy sky & thunder showers E and W. of us. Chiefly bright again from 4 p.m.	Δ 0 1/2 Thunder	
M. 5	29.91 -85	NE NE NE	52 57 60	Close & cloudy, and nearly calm, but a little breeze after 1 p.m., and continued cloudy, and soon again calm. Night fine till after 12.		
Tu. 6.	-66 -79	S SW SSW 8 2.	52 1/2 60 63 1/2	Rain from 3 to 6 a.m. then fine & partly bright till near noon. Showers & sharp thunder then in W. Fine & bright afternoon & even'g. Mild night.	(Thunder)	.40
W. 7.	-76 -86	S SW W 8 1.	53 1/2 60 63	Rain early, fine bright forenoon. Shower 1 p.m. then mostly bright all p.m., and a fine even'g. & night.		.21 .02
42074		3615426		Mean Temp 56.25.		Rain come up 1.93
		787.5		2 3/4° below Average.		

September 1881.

September	Barometer	Wind	Thermom	Character	Notes	Rain.
		Min.	9. Max.			
Th. 8.	29.90 -88	SW <sub>0</sub> Var <sub>0</sub> Var <sub>0</sub>	49 60 65	Fog, then bright, calm, very pleasant, but hazy & electric, fine till 5 1/2 pm. then a shower, but afterwards fine night.	Full moon 4. 39 pm.	.03
Fr. 9.	-94 30.07	W <sub>1</sub> NW <sub>2</sub> NW <sub>2</sub> & 1.	51 60 63	Bright with light clouds and drying breeze. More clouds in the afternoon, and very cloudy evening, but clearer from 8 pm.		
Sat. 10.	-09 -08	N <sub>2</sub> N <sub>2</sub> NW <sub>2</sub>	51 56 58	Cloudy more or less but fine till after 2 pm; then rainy till after 3. Cloudy but fine the rest of the day.		.10
Su. 11.	-06 -09	N <sub>2</sub> N <sub>2</sub> N <sub>1</sub>	52 56 58	Overcast & dripping at 5 and 8 am; then fine but very cloudy all the PM. Less wind in the evening, & cloudy night.		.02
Mon. 12.	-07 -10	NW <sub>2</sub> WNW <sub>2</sub> NW <sub>3</sub> W <sub>3</sub>	53 56 59	Cloudy morn'g, and rainy after 11 am, at times till 3 pm. then fine, cloudy, and breezy night.	☐ ♀ h	.12
Tu. 13.	-18 -22	W <sub>2</sub> W <sub>2</sub> W <sub>0</sub>	52 56 60	Cloudy morn'g, clearer about noon, and at times bright in the afternoon. Calm evening, hazy, & curled upward.		
W. 14.	-22 -21	SW <sub>1</sub> W <sub>2</sub> W <sub>1</sub> Var <sub>0</sub>	51 58 64	Bright all day, with some light clouds and a very bright evening, sun set red, in grey haze.		
42171		359 4275		Mean Temp 56° 178.		Rain over 2.20.
786.5 = 2.4° below Average.						



# September 1881.

Sept.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain. 2. 20.
Th. 15.	30.23	W <sub>1</sub> . W <sub>1</sub> . W <sub>0</sub> .	45 55 59	Fog all the morn'g, and noon last 2 or some haze in the day, but 8.1 am. partly bright, & curdled in upper stratum. Very bright even'g & clear rosy sunset.		
Fr. 16.	30	W <sub>1</sub> . W <sub>2</sub> . W <sub>0</sub> .	42 54 61	Fog till 10 AM, then bright all the rest of the day, and very brilliant. eve- ning, sun setting in a grey haze. Fog at night.		
Sat. 17.	29.23	SW <sub>1/2</sub> . S <sub>2</sub> . S <sub>2,3</sub> . SSE <sub>1</sub> .	44 55 65	Fog till after 9 AM, then bright & warm, with some electric small clouds, and breezy afternoon. Close even'g & less wind, but more in the night.		
Su. 18.	29.88	SW <sub>2</sub> . S <sub>1</sub> . S <sub>1/2</sub> . S <sub>0</sub> .	55 60 68	Sultry morn'g, shower at (Thunder) sunrise, Thunder storm in AM. SE at 9. Bright & hot from 11 am all the afternoon. Distant lightning 9 pm. (Thunder storm) in NW. Sultry. in S. - 11 pm.	10	
M. 19.	29.90	SSW <sub>1</sub> . W <sub>2</sub> . W <sub>1</sub> . SW <sub>1</sub> .	58 1/2 61 65	Sultry morn'g, cloudy till near noon, but a bright afternoon, warm & pleasant. Fine dewy night, and cooler.	Δ 0.4	
Tu. 20.	29.94	SW <sub>1</sub> . S <sub>2</sub> . SSE <sub>2</sub> . S <sub>2</sub> .	47 1/2 60 65	Dewy morn'g, bright with light clouds, & a southerly breeze varying SSE, and very pleasant. Electric clouds PM. Close night but fine.		
W. 21.	29.70	SE <sub>2</sub> . SE <sub>1</sub> . SE <sub>1/2</sub> .	57 63 65	Sultry & electric sun at times, & warm AM, cloudy afternoon, and little wet at times. Hazy even'g & night.	□ 0.8	0.2
420.30		349.44		Mean Temp 56.85 Rain cars up 2.32		

796 = 2 1/8° below Average.

# September 1881.

Sept.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character.	Notes.	Rain. 2. 32.
Th. 22.	29.68	W <sub>2</sub> . W <sub>2</sub> . W <sub>3</sub> . 2. 1.	53 55 56	Overcast & rain at times from 4 AM, and more in the afternoon, heavy at intervals till 5 pm. Fine night from 9 pm.		.64
Fr. 23.	30.02	Var. 1. E <sub>1</sub> . E <sub>2</sub> . E <sub>1</sub> .	52 1/2 57 62	Clouds & sun, chiefly new moon bright, and a pleasant 11.55 am. drying day. More cloud- ed from 5 pm, and so all night, but fine.		
Sat. 24.	30.32	E <sub>2</sub> . E <sub>2</sub> . ESE <sub>2</sub> . ESE <sub>2</sub> .	53 56 60	Low clouds till near 2 pm, then clearer, and some sun, but again cloudy from 4 pm, & partial fogs in the evening.		
Su. 25.	30.15	S <sub>3</sub> . SW <sub>1</sub> . SW <sub>1</sub> . SW <sub>1/2</sub> .	55 58 65	Rainy from 4 AM, more or less till after 10 am, then finer, and clearer at noon, very warm & part- ly bright. Sun set in mixed clouds. Fine night.		.54
M. 26.	30.22	SW <sub>1</sub> . W <sub>1</sub> . W <sub>1</sub> .	49 1/2 55 60	Fog early, clouds & some sun till near 2 pm, but a brighter afternoon, and a fine clear evening and night.		
Tu. 27.	30.25	SW <sub>1/2</sub> . Var. 0. W <sub>0</sub> .	47 53 57	Very showery and un- settled, with bright intervals, but after 2 pm - fine & the evening the same. Fog in the night.		.12 .04
W. 28.	30.38	NE <sub>0</sub> . NE <sub>1</sub> . NE <sub>1/2</sub> .	46 1/2 50 59	Fog till 10 am, then bright with rocky cumuli clouds. Some fog returned at night.		
422.44		356.54		Mean Temp 55.39 Rain cars over 3.66		
		775.5		3 1/2° below Average.		



# September 1881.

Sept. 29	Baro. meter	Wind	Thermom. min. 9 max.	Character.	Notes.	Rain. 3.66
Th. 29	30.48	NE. 42		Fog till 9am, then bright with some cumuli clouds, calm and pleasant day. Sun set in thin linear cirri. Fine night.	* ♀ ♂	
	Var. 1/2		50			
	Var. 0.		61			
Fr. 30	30.47	E. 41		Fog till 8am, then bright and pleasant, with cumuli clouds. Warm sun, cool air. Brilliant orange sun set.	moon 1 <sup>st</sup> 9.48 pm.	
	46	E. 1.	52			
	46	ESE. 1.	61			
	121.87		83 122	Mean 2 days 51° 25.	Rain 3.66	

## Barometer.

Highest on the 29<sup>th</sup> 30.48  
Lowest on the 6<sup>th</sup> 29.66

Range 0.82

Mean of Month 30.09

No Gales all this month.

## Thermometer.

Highest on the 18<sup>th</sup> 68°

Lowest on 30<sup>th</sup> AM 41°

Range 27°

Mean daily range 10° 78

Mean of month 55° 84

3° below Average, and rather more.

Prevailing winds the N, and SW, as in previous 3 months.

Fine days 15 in number, Rainfall 3.66 Inches.

Wet and gloomy to the 12<sup>th</sup>, then chiefly fine and warm to the 21<sup>st</sup>, but some sharp thunder on the 18<sup>th</sup> - 22<sup>nd</sup> to 27<sup>th</sup> rain at times, then fine to the end, but a cool air greatly subdued the solar heat. This was a singular, and very peculiar month, and much of it unseasonable.

# October 1881.

October	Baro. meter	Wind	Thermom. min. 9 max.	Character.	Notes.	Rain.
Sat. 1.	30.40	NE. 46		Clear morn'g, and very bright all day, pleasant and cheering, but a cool breeze. Sun set in full, golden lustre.		
		NE. 2.	54			
		NE. 1.	59			
	37					
Su. 2.	31	E. 43		Very bright all day, not a cloud. Warm sun, but cool breeze. A few clouds at sunset in the west. Fine night & not cold.		
		E. 2.	53			
		E. 1.	58			
	27					
M. 3.	29	E. 4 1/2		Clouds & sun in the morn'g, but mostly cloudy through the day. Even'g clear from before sunset.		
		E. 1.	53			
		E. 1.	55			
	31					
Tu. 4.	33	E. 2. 45		Bright with rocky clouds, squally with sprinklings of rain. Bright blowing afternoon, but calm evening. Slept at night.		
		E. 4.	53			
		E. 1.	53			
	34					
W. 5.	23	E. 1. 39		Showerly morn'g till 9 AM, then bright with some clouds, but very cool for the season.	Δ & 8	08
		SE. 1.	43			
		E. 1.	49	Showerly at midnight.		
	33	Var. 2.				
Th. 6.	25	NW. 2. 41		Showerly morn'g, and chiefly rainy in the day, more or less, and very gloomy. Fine & clearer from 4 pm. Moon bright Evens.		16
		NE. 2.	48			
		N. 2.	52			
	45					
Fr. 7.	31	N. 1. 46		Grey clouds & sun, and from 10am very bright till noon, afternoon clouds at times.	Full moon 1.59 pm.	
		NW. 2.	52			
		NW. 2.	54	Evens & night fine		
	53					
	424.92		307.3 380	Mean Temp 49° 107	Rain cov. over 0.24.	
			687.5	3° below Average.		



October 1881.

October	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character	Notes	Rain. 0.2
Sat. 8.	30.24	NE 1.	44		Overcast & showery morning, some blue fog, and rain at times till near 11 am. then finer, but unsettled. Night partly cloudy.	
	-10	NE 1. E 2. SE 1.	48 50			
Su. 9.	29.90	E 2.	43		Some clouds & fog in the morning, clearer from 11 am. afternoon partly bright till 4 pm, but again showery. Fine & clearer night.	
	-88	WSW 3. WSW 2. 81.	47 52			
M. 10.	30.09	W 3.	40		A very red morn'g sky, hazy but bright till 2 pm, then rather more clouded with sun at times. Close & cloudy evening.	
	-06	W 2. SW 3.	45 54			
Tu. 11.	29.87	SW 3.	49		Warm breezes, trifling showers early AM. Pleasant day, & partly bright. Fine evening & clear after. Oct.	
	-84	SW 2. WSW 1. & 2.	56 60			
W. 12.	-92	SW 2.	46		Clouds and sun but a lowering sky. Fine till 2 pm, then squally rain but soon again bright and the evening and night fine.	
	-85	SW 3. W 3.	51 55			
Th. 13.	-85	W 4.	43		Clear & bleak morning, very bright, most of the forenoon, till 3 pm, then more hazy, and less wind. Evening very thick, and quite calm, but windy night.	
	-92	W 5. W 1. SW 4.	49 53			
Fr. 14.	-12	S 5.	45		Galy, warm & rainy morning, violent storm of wind & rain at 8 1/2 AM, and continued awful wind till 7 pm then abating all night. and fine night.	
	-55	SW 6.7 SW 8.9. W 7.	58 58			
41819		NW 7.	310	3825	Mean Temp 49.464.	Rain cast up 1.36

692.5 = 3° under Average.

October 1881.

October	Baro. meter	Wind.	Thermom. Min. 9. Max.	Character	Notes	Rain. 1.36
Sat. 15.	29.95	NW 3.	37 1/2		Clouds & sun, brisk noon last br wind, and chiefly fine, and bright, but cold for the season. Clear evening, lightning E. (Lightning East. 1 pm)	
	30.06	NW 4.	44			
Su. 16.	-33	NW 2.	33		Clear & partial frost in the morning. Very bright most of the day. Some light clouds after 1 pm. Sun set clear, & a clear night.	
	-47	NW 2. W 1.	40 49			
M. 17.	-45	Var. 0.	29		Clear & hoar frost. AM. Bright day & warmer, little haze pm. Sun set red in lines of dusky haze. Clear night.	
	-43	S 0. S 1. SE 1.	39 50			
Tu. 18.	-39	S 1.	31		Clear, frost early, very bright all day, and few clouds, but warm & pleasant since morning. Fine night & warmer.	
	-37	SSE 2. SSE 1.	42 53 1/2			
W. 19.	-31	ESE 2.	40		Grey clouds & sun, very fine drying day, and the evening very near by the same, but a little rain at 8 1/2 pm.	
	-22	E 2. E 2. & 1.	46 51			
Th. 20.	-07	E 2.	4 1/2		Bright, with some clouds & brisk wind, very parching. A change in the night, and an unsettled sky.	
	29.90	ESE 3. ESE 2.	48 52			
Fr. 21.	-79	ESE 4.	44		Cloudy, little wet at intervals, but more tranquil. Rain increased towards evening, & till 7, then fine.	
	-79	ESE 1. E 2.	48 48			
42253			256	350	Mean Temp 43.28.	Rain - cast over 1.65
			606		= 9° below Average.	



# October 1881.

October	Baro. meter	Wind	Thermom. Min 9 Max	Character	Notes	Rain 1.65	
Sat. 22.	29.74	E 2. E 3. SE 5. 4. 3.	45 48 50	Cloudy more or less and very brisk wind rainy from 2 pm, and be- came very blustering in the evening, but finer night.		23	
Su. 23.	29.62	E 2. E 1. NE 1. 8. 2.	46 47 48	Rain at 6 & 7 am. Dark and thick all day, & a little rain at times and more in the even- ing, but finer in the night.	new moon 2.31 am.	27 19	
M. 24.	29.80	E 1. E 1/2. E 1.	45 47 47	Cloudy & rain at times from 6 AM, but finer after 8, and continued cloudy all day. Fine night and clearer.	8 & 24	24	
Tu. 25.	29.91	NE 2. N 2. N 2. 8. 1.	39 43 49	Clear morn'g, and conti- nued bright till 11 am, showery with hail pm. & bright intervals. Clear night till 12 pm.		23	
W. 26.	30.12	NE 1. NE 1. NE 1. 2.	40 44 49	Showery at 5 am, day partly bright, with unsettled sky, and little showers at intervals. Fine night, and in part clear.		28	
Th. 27.	30.30	NE 1. NE 1. NE 1.	38 42 47	Grey clouds, and fine morn'g, unsettled sky in the afternoon, but sun at times. Evening and night cloudy.			
Fr. 28.	30.24	NW 2. W 3. W 1.	37 42 48	Clouds and sun, but mostly bright till 11 am, some clouds pm. Even'g chiefly cloudy & less wind. Shower at 8 pm.		21	
419.61		2905.338		Mean Temp 44.89.			Rain cal. up. 2.30

# October 1881.

October	Baro. meter	Wind	Thermom. Min 9 Max	Character	Notes	Rain 2.30
						03
Sat. 29.	30.18	NE <sub>1</sub> NE <sub>2</sub> N <sub>1</sub>	34 39 44	Showery, sleet & rain, with bright intervals. cold and unsettled. and the night similar.		
Su. 30.	30.27	NE <sub>2</sub> NE <sub>2</sub> NE <sub>1</sub>	33½ 35 40	Showers of rain & snow moon 1½ in. with sun at times. 4.47 a.m. and some hail in the afternoon. Clear and frosty night.		19
M. 31.	30.26	NE <sub>1</sub> Var. 1. Var. 0.	31½ 34 41	Clear & frost a.m., conti- nued bright till near 10 a.m., then fog & times, but a brighter afternoon, and a fine night.		
	18147		99 125	Mean 3 days 37° 16	Rain	2.52

Barometer.  
Highest on the 7<sup>th</sup> — 30.53.  
Lowest on the 14<sup>th</sup> — 29.12.  
Range 1.41  
Mean of Month 30.10.

Gales on 3 Days, the  
13<sup>th</sup> 14<sup>th</sup> & 22<sup>nd</sup>.  
Prevailing currents the  
E, and NE.

Thermometer.  
Highest on the 11<sup>th</sup> — 60° —  
Lowest on the 17<sup>th</sup> am — 29° —  
Range 31° —  
Mean daily range 10.33.  
Mean of month 45.78  
6 1/4° below Average.

Fine days 17 in number,  
Rain-fall 2.52 Inches.

This was the coldest October for 64 years past  
with much cloud, and frequent rain, yet not  
so great falls as are common in the month;  
but the frightful gale on the 14<sup>th</sup> was the most  
destructive we have had since Nov 29. 1836!



# November 1881.

November	Baro meter	Wind	Thermom min 8 max	Character	Notes	Rain
Tu. 1.	30.03	SE <sub>2</sub>	33	Cloudy, and a cold breeze	8 4	
		SE <sub>2</sub>	35	but fine till after 4	8 0 7	
	29.93	SE <sub>2</sub>	38	pm, then a little snow and slight mist at 8. Then a fine night.		
W. 2.	-94	SE <sub>1</sub>	35	Hazy morning, but parti- ly bright till 11, then	□ 4 8	
		SE <sub>2</sub>	39	cloudy & more wind.		
	-97	SE <sub>2</sub>	41 1/2	and the night cloudy.		
Th. 3.	-93	SE <sub>2</sub>	37	Overcast & light rain at times from 8 am, but in the afternoon, more, and		
		SE <sub>2</sub>	40	very thick air. Close		
	-92	SE <sub>2</sub>	43	and mild night, and rain at times.		20
Fr. 4.	-95	S <sub>1</sub>	41	Rainy & warm morning.		1/4
		SW <sub>3</sub>	52	fine from 8 am, at times		
	30.11	SW <sub>2</sub>	61	bright & a warm and plea- sant air. Even close, and hazy, & warm night.		
Sat. 5.	-09	S <sub>1</sub>	51 1/2	Close & very mild morn- ing, clearer after 10 am, partly		
		SW <sub>2</sub>	53	bright and very warm		
	-12	S <sub>2</sub>	60	& pleasant. Close but very fine night.		
Su. 6.	-22	SW <sub>1</sub>	50	Very warm & close mor- ning. Cleared at 10, and	Full moon	
		W <sub>2</sub>	52	continued very bright.	2.3 a.m.	
	-34	W <sub>1</sub>	57	& warm, sun set clear. (Therm in sun 94°)		
		& 0.		and a bright moonlight even- ing.		
M. 7.	-31	W <sub>1/2</sub>	40	Hazy, with some fog	Δ 0 8	
		W <sub>0</sub>	45	then cloudy till 10 am		
	-30	SE <sub>1/2</sub>	55	afterwards bright till after 12. Some clouds from but warm & partly bright.		
	42.176		28733553	Mean Temp 45.928.	Rain card up 0.34	

643

Nearly 3° above the corrected  
Average of last 40 years.

# November 1881.

Nov	Baro meter	Wind	Thermom min 8 max	Character	Notes	Rain 0.34
Tu. 8.	30.31	SE <sub>0</sub>	45	Close and foggy	8 0 8	
		SE <sub>1</sub>	50	morning, clearer after		
	-33	SE <sub>2</sub>	54	10 am, little sun, but much low cloud, and a cloudy evening.		
W. 9.	-25	SE <sub>1</sub>	41	Fog early, clearer af- ter 8 am, bright and		
		SE <sub>2</sub>	43	mild, with cirri clouds.		
	-17	SE <sub>1</sub>	51 1/2	Red bands of cloud across west at 10 set.		
Th. 10.	-12	S <sub>1/2</sub>	39	Fog AM, cleared off after 9, bright, mild		
		SSW <sub>1</sub>	48	& pleasant, and very		
	-19	SW <sub>4</sub>	58 1/2	breezy and drying air. Very warm night.		
Fr. 11.	-32	SW <sub>1</sub>	47	Close & mild, many clouds, with some		
		SW <sub>1</sub>	50	gleams of sun at		
	-28	SW <sub>1</sub>	56	times. Warm and breezy night.		
Sat. 12.	-16	S <sub>3</sub>	51	Squally shower 7 am, then		03
		SW <sub>2</sub>	54 1/2	fine & bright with		
	-31	W <sub>3</sub>	58	some clouds, and very mild and pleasant.	Gardens gay with numerous flowers.	
Su. 13.	-40	SW <sub>4</sub>	48	Rosy sky, mild, morn- ing. Very warm, bright &	moon last Dr	
		SW <sub>1</sub>	52	lovely day, with light	11.1 pm.	
	-45	SW <sub>2</sub>	59	cirri clouds. Fine evening & partly clear.	8 4 0	
M. 14.	-43	SW <sub>1</sub>	49 1/2	Close, very mild & little fog. More fog		
		SSW <sub>1</sub>	53	from 2 pm, & very		
	-40	S <sub>1</sub>	57	mild as before all the evening.		
	42.412		3205394	Mean Temp 51.033.	Rain card over 0.37	
			7145	8 deg. above Average!		

This was an unusually warm week  
for November!



# November 1881.

Nov: 1881.	Baro meter	Wind	Thermom Min 8 Max	Character.	Notes	Rain 0.37
Tu. 15.	30.22	SSE 3. 45		Cloudy morn, clearer after 10, and very bright from noon till near sunset, but again cloudy in the evening.		
	-08	SSE 2. 47				
		S 3. 2.				
		SW 1.	52			
W. 16.	-14	SW 2. 41		Bright with many clouds & boisterous wind, but very mild and a squally evening. Rain during night.		
		SW 5.	46			
	29.87	SW 5.	55			
Th. 17.	-75	SW 5. 47		Stormy rain till 2 AM. Bright morn, & boisterous wind. Continued bright with a few clouds. Clear & colder night.		
		W 5.	48			
		WSW 4.	52			
	30.03	3. 2.				
Fr. 18.	-33	W 0. 34		Clear morn, and frosty. Continued bright and calm all the day.		
		SE 1.	35			
		SE 1.		Cloudy from 4 pm till 5: afterwards clear and colder.		
	-11	8 2.	47			
Sat. 19.	-33	S 2. 41		Clouds & sun, with a brisk drying breeze, but still mild for the season. Blustering evening, fine night & calmer.		
		S 3.	47			
	-21	SE 4.	51			
		2. 1.				
Su. 20.	-11	S 1. 40		Cloudy, slight rain at 6 am. Then fine mild, and calm. Bright warm & pleasant afternoon.		
		S 1.	48			
		S 2.	54	Fog & more wind in the evening.		
	-09					
M. 21.	29.70	S 5. 46		Blowing & showery new moon morn, fine & bright 4. 21 pm.		
		SW 4.	51			
		SW 4.	52	afternoon, but less mild than the morn.		
	-90	3. 2.		Chargeable night.		
	42.17		29.53 36.35	Mean Temp 47° 03.5.	Rain 0.5	

658.5 = 4° above Average.

This also was a week of unusual warmth for November!

# November 1881.

Nov: 1881.	Baro meter	Wind	Thermom Min 8 Max	Character.	Notes	Rain 0.57
Tu. 22.	29.75	SW 4. 45		Squally morn, fine and bright after sunrise.		04
		SW 3.	54	and most of the day with some clouds, but very bright after 3. wind gentle.		
	30.06	SW 1.	57			
W. 23.	29.96	S 1. 39		Close thick, & mild morn. slight rain at 9 am, then clearer, and a very bright and cheering afternoon.		01
		SW 2.	48			
	30.09	SW 2.	52	Evening fine & chiefly clear.	(Much lightning evening)	
Th. 24.	-21	S 2. 38		Rosy sky & hazy morn. Cloudy all day, and wind blustering, the same in the evening.		
		S 4.	46			
	-09	S 4.	50	But a fine night.		
Fr. 25.	29.90	S 2. 46		Rainy from 5 am, till 10, and at times from 11 am, through the day, with blustering wind.		24
		S 4.	52			
	-73.	SSW 2.	52	but the evening more calm, & fine.		13
Sat. 26.	-77	S 1. 40		Fine morn, bright all the forenoon, hazy & thick after 2 pm, and violent gales from 6 pm.	(Galy.)	
		S 3.	41			
	-14	S 7. 6.	47	most of the night, with rain.		
		5. 4.				
Su. 27.	-05	SSW 7. 44		Storms of rain 2 am, from 3 to 10 am, and chiefly bright through the day, with boisterous wind, abating in the evening. Fine night.	(Galy.)	35
		SW 5.	45			
	-22	SW 6.	50			
		4. 3.				
M. 28.	-33	SW 4. 41		Squally with clouds, moon 1 <sup>st</sup> Dr. at noon.		
		SW 3.	49			
	-65	SW 2.	52	chiefly bright, with brisk wind, but very gentle in the evening.		
	41.595		29.45 36.0	Mean Temp 46° 75.	Rain over 1.28	
			65.45	3 3/4 above Average.		



# November 1881.

Nov.	Baro- meter	Wind	Thermom- eter Min 8 Max	Character	Notes	Rain 1-28
Tu. 29.	29.95	W.	36	Clear, calm & frosty morn- ing. very bright all day, and very tranquil.		
	30.22	WSW.	36	Bright moonlight even- ing and part of night.		
W. 30.	20	SSE	33½	Cloudy with colder breeze, & but little sun. The evening close-	8 74	
	-17	SE	43	dy and breezy, and a very fine night.	46	
		SE	46			
	120.54		69.5 93	Mean last 2 days 40° 62.	Total rain. }	1.28

## Barometer.

Highest on the 13<sup>th</sup> 30.45

Lowest on 27<sup>th</sup> 29.05

Range 1.40

Mean of month 30.04

Gales on 5 days.

Prevailing currents  
SW, SE, and S.

## Thermometer.

Highest on the 4<sup>th</sup> 61°

Lowest on the 1<sup>st</sup> 33°

Range 28°

Mean daily range 9.96

Mean of month 47.21

4¼° above Average.

This month was notably mild and fine till  
the storm of the 26<sup>th</sup> and 27<sup>th</sup>. The warmest for  
24 years past, and the flower-gardens, pastures,  
and young wheats looking like Spring!

# December 1881.

Dec.	Baro- meter	Wind	Thermom- eter Min 8 Max	Character	Notes	Rain.
Th. 1.	30.11	SE	42	Cloudy but fine till 1 pm, light rain at times afterwards.		.04
		SE	44	Wind veered to West at 5½ pm.		.07
		W	46			
Fr. 2.	-12	SE	36	Fine morning, bright with some light clouds, very fine, mild, and plea-		
	-30	S	41	sant, and a clear moonlight evening & night.	51	
		S	51			
	-33			Clear morning, and very fine & bright all day a few light clouds only.		
Sat. 3.	-32	SE	41	and some rosy tints at sunset.	43	
		SE	43		47	
	-33	SE	47			
Su. 4.	-32	S	34	Cold and cloudy the whole day alike, but from 7 pm, a bright moonlight, evening, and fine night.	40	
		SSW	42		42	
	-29	SSW	42			
M. 5.	-27	SW	37½	Overcast, little wet. Full moon from 7 am, dark, & 5.14 pm. very rainy after & eclipsed.	42	36
		SW	42	noon. Finer & clearer after sun set.	48	
	-21	W	48			
Tu. 6.	-30	Var	33	Clear till 9 am, then foggy & bright by turns, hazy afternoon & more wind. Stormy wind at eve, and an unsettled night.	35	
		S	35		49	
	-03	S	49			
W. 7.	29.89	SW	43	Rain from 5 to 8 am, then fine but cloudy, but clearer in the afternoon, & some sun. Very bright from 2 pm.	44	.21
		SW	44		46	
	-98	SW	46			
	42.280		266.5329	Mean Temp 42° 53.	Rain over	0.68
			595.5	3½° above Average.		



# December 1881.

December	Barometer	Wind	Thermometer	Character	Notes	Rain
			Min. 8 Max.			0.68
Th. 8.	30.02 29.98	SW <sub>0</sub> SW <sub>1</sub> SW <sub>2</sub>	32 33 42	Calm, clear, and frosty morn <sup>g</sup> , and continued very bright all the day, and the evening nearly the same. Change in the night.		
Fr. 9.	-80 -69	SW <sub>1</sub> SW <sub>1</sub> Var. 1.	31 37 40	Fog & rain, but frost early a m. Thick and foggy followed by a very rainy afternoon, and snow and rain in the evening, & night.		54
Sat. 10.	-76 -78	NW <sub>1</sub> NE <sub>1</sub> E <sub>1</sub>	31 33 35	Frost & fog early, some rain and snow in the afternoon, and very thick and gloomy all the day. Cloudy night with some little showers.		05 07
Su. 11.	-79 -82	NW <sub>2</sub> W <sub>1</sub> WSW <sub>2</sub> & 1.	31½ 34 36	Cloudy with blue haze till 2 p.m. then foggy and great darkness all the afternoon, and evening, but fine till after midnight.		
M. 12.	-90 30.08	W <sub>1</sub> Var <sub>0</sub> SE <sub>1</sub>	33 37 38	Overcast and some rain, early A.M. - Fine in the day and some sun after 2 p.m. Evening chiefly clear, and calm, but showers at 8 & 9 p.m.		06 06
Tu. 13.	-39 -43	NE <sub>0</sub> NE <sub>0</sub> NE <sub>1</sub>	31 34 39½	Clear, calm, & frosty morn <sup>g</sup> , moon continued bright and calm till noon, but cloudy and thick p.m. Fine evening & night, but cloudy.		
W. 14.	-32 -28	Var. 0 SW <sub>1</sub> SW <sub>1</sub>	35 37 43	Cloudy morn <sup>g</sup> , bright from 10 till noon, then clouds, & sun, with fog at times, and a fine evening, but the night unsettled.		
420.04		224.52 / 35		Mean Temp 35.57.	Rain 1.46	
		498		3½° below Average.		(car up)

# December 1881.

December	Barometer	Wind	Thermom. Min. 8 Max.	Character	Notes	Rain.
						1.46
Th. 15.	30.19 -10	S <sub>1</sub> SE <sub>2</sub> SE <sub>2</sub>	36 39 42	Overcast & rainy morning, changeable day, chiefly cloudy & little wet at times. Finer from 2pm. cloudy night.		.08
Fr. 16.	29.95 -85	S <sub>3</sub> SSE <sub>3</sub> S <sub>3.4</sub>	35 40 41	Overcast, and rainy from 7 to 8am, cloudy and breezy day, and blustering wind all night.		.05
Sat. 17.	-42 -15	SE <sub>5</sub> S <sub>4</sub> SW <sub>3</sub>	37 43 45	Squally wind, and very stormy rain drifting at times; heavier rain in the afternoon, and strong gales after 5, stormy night.		.18 .48
Su. 18.	-24 -53	NW <sub>4</sub> W <sub>5</sub> W <sub>6.4</sub> SW <sub>3</sub>	34 39 41	Stormy rain & sleet early but fine & bright from 7am, all day, with rough wind. Clear evening and night.	Great floods on the vales.	.71
M. 19.	-64 -62	S <sub>3</sub> SW <sub>4</sub> SW <sub>2</sub>	33 34 42	Clear & bleak wind all day alike, very drying. More clouded and hazy from sunset. Unsettled night.		
Tu. 20.	28.98 29.17	S <sub>5</sub> W <sub>6</sub> W <sub>5</sub> & 6.	34 41 43	Rainy & squally morning, finer from 8am, but very gusty all day, and a stormy night blowing hard at times.		.38
W. 21.	-60 -85	NW <sub>4</sub> W <sub>4</sub> W <sub>3</sub>	36 40 41½	Stormy wind, and some showers, early am, then bright all the day & cold wind. Clear frosty night.	new moon 5.7am.	.11
414.29		245.2955		Mean Temp 38° 6.	Rain carried over	3.45
		540.5		½ deg below Average.		



# December 1881.

Dec <sup>r</sup>	Baro. meter	Wind	Thermom <sup>r</sup> Min 8 Max	Character	Notes	Rain 3'45
Th. 22.	30.00	SW <sub>0</sub> .	29½		Frosty morn'g, calm, and hazy all the day, but partly bright. The evening calm & frosty with a hazy sky.	
	-07	SW½	30			
		Var. 0.	36			
Fr. 23.	-39	NW <sub>0</sub> .	29		Hoar-frost & fog till 10 am, then bright, throughout the day, and keen frost all evening & night, with partial fog.	
	-36	NW½	30			
		Var. 0.	35			
Sat. 24.	-55	Var. 0.	23		Keen frost, and some fog, but partly bright, very fine and calm. Hazy sunset, but partly clear in the evening.	
	-51	S½	26			
		SE <sub>1</sub>	36			
Su. 25.	-51	SE <sub>2</sub>	29		Hazy and less frost cloudy & thick most of the day, and more wind.	
	-52	SE <sub>2</sub>	37		Breezy evening, but fine night & again calm.	
		S <sub>3</sub>	37			
M. 26.	-55	SW <sub>1</sub>	34		Calm & mild with grey clouds. Clouds & sun by turns during the day, and a gentle wind.	
	-59	SW <sub>2</sub>	40		Cloudy & little breeze all night.	
		SW <sub>3</sub>	45			
Tu. 27.	-62	SW <sub>2</sub>	41		Grey clouds, with gleams of sun at times, fine mild and chiefly a calm atmosphere. Some fog in the night.	
	-62	SW <sub>1</sub>	42			
		SW <sub>1</sub>	44			
W. 28.	-51	S <sub>2</sub>	37		Foggy and raw, dark and thick all day, alike. Wind veered at 3 pm. Fine cloudy night.	
	-49	S <sub>2</sub>	38			
		W <sub>1</sub>	41			
426.49		2225 274		Mean Temp 35° 46.		Rain cal up 3.45
		496.5				

# December 1881.

Dec <sup>r</sup>	Baro. meter	Wind	Thermom <sup>r</sup> Min 8 Max	Character	Notes	Rain 3'45
Th. 29.	30.34	S <sub>1</sub> .	36½		Cloudy & foggy morn'g fine day, and cloudy but drier atmosphere.	
	-24	SSW <sub>1</sub>	37		Clearer from 4 pm, and part of the night.	
		SW <sub>1</sub>	43			
Fr. 30.	-11	S <sub>1</sub>	38		Grey clouds, calm & mild morn'g, bright from 10 am, the rest of the day, with a few curled cirrocumuli. Clear evening.	
	-03	SW <sub>2</sub>	43			
		S <sub>1</sub>	43			
Sat. 31.	-03	SE <sub>1</sub>	34		Cloudy more or less, and very thick till 1 pm, then clears, and little gleams of sun.	
	-02	SE <sub>1</sub>	38		very fine moonlight night.	
		SE <sub>1</sub>	44			
180.77		1085 130		Mean 3 days 39° 75.		Rain 3.45

Barometer  
Highest on the 27<sup>th</sup> 30.62  
Lowest on 20<sup>th</sup> 28.98  
Range 1.64  
Mean of month 30.07

Gales on 4 days.

Prevailing currents SW, and SE.

This was altogether a mild month with a few gentle frosts; the first 3 weeks stormy and wet, but the last ten days very fine.

Thermometer.  
Highest on the 2<sup>nd</sup> 51°  
Lowest on 24<sup>th</sup> 23°  
Range 28°  
Mean daily range 7.58  
Mean of month 38° 209  
Very slightly below Average.  
Fine days 19 - in number,  
Rainfall 3.45 Inches.



# Summary 1881.

Highest Barometer May 7<sup>th</sup> and 8<sup>th</sup> 30.71!

Lowest - Do. Decr 20<sup>th</sup> 28.98.

Colest Day January 26<sup>th</sup> Therm. 3½°.

Hottest Day - July 15<sup>th</sup> 91½°!

Fine days 243, Rain 23.95 Inches.

1. A notably cold and severe January, —
2. A very dry Spring season. —
3. Very hot and parching from May 20<sup>th</sup>, to June 4<sup>th</sup>. —
4. Exceedingly hot and dry from June 15<sup>th</sup>, to July 24<sup>th</sup>, and many deaths in July from the excessive heat. —
5. Again very hot and dry - the first eight days of August. —
6. Gloomy and wet at times from Aug 9<sup>th</sup> to the September Equinox. —
7. A cold October, very warm November, and wet December to 21<sup>st</sup>.

Dreadful Gale from ESE, Jan 18<sup>th</sup>, and again most destructive - from SW, and West Oct 14<sup>th</sup>.

# Monthly Results for 1881.

1881	Winds.										Averages.		Rain	Thermom.		
Month	E	WN	S	NE	SE	NW	SW	Gales	Fine Days	Mean Barom.	Mean Therm.	Mean in Range	Inches	Min	Max	
Jan.	3	4	1	2½	4	5	8	3½	2	21	29.98	30.41	9.38	0.40	3½	46°
Febr.	1	1	2	6	5	4	5	4	4	15	29.90	37.02	7.94	2.11	26½	49
March.	3	6	1	1	1	8	5	6	5	25	29.98	41.95	13.29	1.21	22½	59
April.	8	2	1	1	4	4	6	4	0	23	30.09	45.85	16.91	0.74	28	66
May.	5	2	2	2	5	3	2	10	1	24	30.19	54.73	20.70	0.89	28½	79
June.	1	6½	1	3	2	5	3	8½	0	24	30.09	58.31	17.63	1.55	39	79
July.	0	8	0	3	0	2	4	14	0	22	30.11	64.95	19.25	1.69	47	91½
Augt.	0	13	0	5	0	1	1	11	2	16	29.96	59.44	14.24	4.45	43	83
Sept.	3	6	3	3	4	1	4	6	0	15	30.09	55.84	10.78	3.66	41	68
Oct.	9	3	2	1	7	2	3	4	3	17	30.10	45.78	10.33	2.52	29	60
Nov.	0	2	0	7	0	8	0	13	5	22	30.04	47.21	9.96	1.28	33	61
Dec.	0	4	0	5	2	8	1	11	4	19	30.07	38.21	7.58	3.45	23	51
1881.	33	57½	13	39½	34	51	42	95	26	243	30.05	48.30	13.16	23.95	3½	91½

Orlando Whistlercraft

Dec 31<sup>st</sup> 1881.



1. 8

2. 1

3. -

4. -

5. -

6. -

7. -

8. -



