

1877, & 1878.

THW
17



— Meteorological —
— Journal, —
— 1877. —

January 1877.

Jan'y	Baro. meter	Wind	Thermom. Min. 8. Max.	Weather, &c	Notes.	Rain.
M. 1.	29.04 28.92	S 4. SW 5. W 7. W 3.	46 1/2 49 53	Blustering and very mild, with rain at times, severe gale at 1 to 2 pm, afterwards less wind, but a showery night.	(Yellow Aconite in bloom.)	.12
Tu. 2.	29.67 -88	W 1. W 1. NE 0. E 1. 2.	37 37 41	Rain early AM - fine from sun-rise, and became bright all day, with a keen air. - - - Hazy night & foggy. -		.10
W. 3.	-74 -54	E 2. E 2. SE 3. E 4.	34 41 50	Overcast, foggy, and a frequent drizzling. The afternoon very rainy, dark, & overcast, and unsettled night. -		.25
Th. 4.	-38 -32	S 2. SW 2. SW 2. E 1.	46 50 50	Very mild and rainy morn'g. Finer after sun-rise, but hazy & cloudy. Clearer about sunset & few clouds. -		.15
Fr. 5.	-31 -31	SW 1. SSW 2. SSW 1/4. 3. 2.	41 44 50	Little rain early, then a bright morn'g, and continued bright till 2 pm, then hazy with grey clouds, blustering evening, and some rain soon over. -		.05
Sat. 6.	-48 -32	SW 2. SW 2. SSW 4. 6.	39 41 48	Cloudy more or less noon last An and an unsettled sky 2-17 pm. Overcast & blustering afternoon, little wet at times. Very blowing evening and night. -		.04
Sun. 7.	-32 -43	S 6. S 3. 4. S 2.	45 49 51 1/2	Very windy and stormy morn'g; fine & sunny about noon, squally PM, and some flying showers. -		.05 .08
411.66		28853433		Mean Temp 45.14. Rain over 0.84		
		632		Nearly 10° above Average.		

January 1877.

January	Baro. metr	Wind.	Thermom. Min. 8. Max.	Weather &c.	Notes.	Rain. 0.84
M. 8.	29.67 -62	S 2. S 2. S 2.	43 49 49½	Chiefly overcast, damp & gloomy, with rain at intervals, and a very wet eve- ning, and night.		22
Tu. 9.	-72 30.01	SW 1. W 1. SW 2. SW 2.	45 46 50	Very rainy till 8 am, then finer but clou- dy, unsettled sky, & but little sun. Evening and night clear & foggy by turns.	6 ¼ 4	20
W. 10.	-12 -04	Var. 0. E 1. E 2. 8 3.	37 42 4½	Very foggy, till 11 am, then cloudy, more wind, & fog gone. Evening also cloudy and breezy.		
Th. 11.	29.80 -78	NE 4. NE 3. NE 2.	3½ 39 39	Much rain in the past night. Cloudy and blustering day, & colder. Less wind at night and veer- ed about.	(Valleys more flooded)	37
Fr. 12.	-87 -98	W 2. W 1. W 0.	35 37 40	Slight rain early then fine & cloudy, with but little wind. Clearer after 3 pm. and a gentle frost during the night.		04
Sat. 13.	30.12 -13	E 0. SE 1. SE 1.	29 32 40	Little frost AM, then bright till noon, af- terwards hazy and cloudy at times. Little frost 9 pm.		
Su. 14.	29.92 -70	SE 2. SE 3. S 6.	32 43 47½	Overcast and little rain at times, but 1.28 pm, again milder. Very blowing night and some rain.	here moon	75
41.848		25853135		Mean Temp 40° 85. Rain calcd up 1.82		
		572		= 5¼° above Average.		

January 1877.

Jan 3.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Weather, &c.	Notes.	Rain. 1.82
M. 15.	29.93 30.21	SW 6. W 3. W 1.	38 40 43½	hazy morn'g till 3 AM, afterwards less wind but fine, and bright from 10 AM, till 6 set. calm & hazy even'g, but a fine night.		
Tu. 16.	-14 -15	SSE 2. S 2. S 2.	34 44 49	cloudy morn'g, and an unsettled sky, clearer after 11 AM, little sun at times. Close and cloudy night.		
W. 17.	-01 29.92	S 2. S 3. S 3.	46 49 50	Cloudy & warm with brisk wind at South, and trifling rain at times. Cloudy even'g, and night.		04.
Th. 18.	-94 -88	S 1. S 3. S 5.	42 44 48	Cloudy & some fog till 9 am: then clearer and more wind, but chief- ly cloudy, more or less. Equally even'g & mild.		
Fr. 19.	-85 -97	S 3. S 3. S 3.	46 52 55	Very warm morn'g, & a little rain at times. cloudy and warm breezy day. Clearer even'g & moon bright.		06
Sat. 20.	30.33 -55	SW 1. SW 0. W 0.	42 44 46	Mild, calm & cloudy mor- ning, partly bright in the afternoon, with grey bars of cloud: red at 6 set. Clear night.		
Su. 21.	-64 -68	SW 0. SW 0. SW 0.	30 30 46	Bright & frosty morn'g. very bright and calm all day. Sun set red in a cream-coloured haze. Some fog at eve.		
422.20		2783375		Mean Temp 43.964. Rain calcd over 1.92		
		615.5		Nearly 8½° above Average.		

January 1877.

Jan'y.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Weather &c.	Notes.	Rain. 1.92
M. 22.	30.64	SW. 0.33 S 1/2. 35 S 0. 42		Hazy and calm with moon 1 st gr slight hoar-frost. Very bright all day. Clear and frosty eve- ning, and night.	3.53 pm.	
Tu. 23.	-54 -38	S 0. 28 SSE 2. 31 SSE 2. 41 1/2 S 3.		Very white frost early, bright and calm. More wind in the day, and very bleak, but continued bright. Change at night.		
W. 24.	-12 -24	SSW 1. 34 SW 3. 41 W 3. 46 S 1.		Short showers at 7 am & change, then fine and mostly bright, with a brisk wind, but less af- ter 3 pm. Even' chiefly clear.		04
Th. 25.	29.95 -70	SE 3. 32 S 1. 42 W by N 3. 48		Cloudy, blowing, and raining morn'g; less wind in the afternoon but cloudy & rain at times. Squally even'g.		17
Fr. 26.	-97 30.21	NW 4. 33 NW 4. 35 WNW 1. 41		Blustering & clear, a bleak air all day, & continued bright. The sunset and eve- ning the same. Frosty night.		
Sat. 27.	-22 -15	S 1. 28 S 2. 33 W 1. 43		Frost early, then over- cast & change, dark and rainy at times & a few snow flakes at first. Foggy even'g & fine.		14
Su. 28.	-12 29.90 42.2.79	S 1. 33 SW 3. 37 SW 4. 50 S 2.		Cloudy and thick morn'g; few rain drops, mild & blustering day. Clouds & sun. Clear & less wind in the evening.		
Mean Temp 38.07 Rain 2.27 533 = 2 1/2° above Average.						

January 1877.

Jan'y.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Weather &c.	Notes.	Rain. 2.27
M. 29.	30.08 29.91	W 4. 33 W 5. 35 SW 4. 43 S 6. 4.		Clear, and bleak wind & blustering morning. Cloudy PM, blowing, & cold. Rain from 3 pm at times, & squally even'g.	Hull moon 8.39 AM.	11
Tu. 30.	-37 -68	SSW 6. 39 W 7. 8. 46 NW 8. 47 1/2 S 4. 3.		Very boisterous morn'g and a severe storm of wind, hail, & rain from W. then clearer, and violent gale NW till 3, afterwards less.		19
W. 31.	30.04 -08 17.9.16	W 3. 34 W 2. 36 WSW 1. 43		Clear & bleak morn'g; chiefly bright till 11, then a hazy & thick afternoon, and even'g, but fine, and nearly calm. Wet night.		10
Mean Temp 3 days 39.91 Rain 2.67						

Barometer.	Thermometer.
Highest on the 21 st 30.68	Highest on the 19 th 55°
Lowest on the 1 st 28.92	Lowest on 27 th 28°
Range = 1.76	Range = 27°
Mean of Month = 29.90	Mean daily range = 9° 25'
Gales on 7 Days, - Most violent on 30 th -	Mean of the month 41° 8'
Prevailing winds the SW, and S. -	6 1/4 Degrees above Average. - The mildest Jan'y for 24 years past!
	Fine days 12 in number. Rainfall 2.67 Inches.

This was a very mild, and squally month, with frequent rain, and heavy gales. Only 5 frosts and those slight, and a few snow flakes only on 27th. The mildest January for 24 years past! Snowdrops, Aconites, Pansies, Prim-roses, and some other early gems bloomed all the month, and grass continued verdant! - The gale on the 30th was especially violent, and in some cases dis- astrous both on sea, and land.

February 1877.

Feb'y.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Weather, &c.	Notes.	Rain.
Th. 1.	30.00 -12	W ₂ . W ₁ . Varo.	37 46 50	Some light rain early AM. Cloudy & mild from sunrise, and chiefly fine through the day. Calm & hazy evening.		07
Fr. 2.	-14 -04	S ₀ . S ₂ . S ₃ .	45 47 51	Very mild & foggy morning. Fine and mild day, but mostly cloudy and more wind in the evening. Heavy gale & rain 8 1/2 pm. then fine.		08
Sat. 3.	-30 -13	SW ₂ . SW ₃ . S ₂ .	34 1/2 36 47	Clear morn'g, very bright till 10, then hazy, but soon again clear, & a bright afternoon. Even'g more cloudy, but a fine night.		
Su. 4.	-10 -32	SW ₃ . W ₄ . W ₂ .	38 39 45 1/2	Some clouds till 8 am, then clear; chiefly bright most of the day & a bleak blustering wind, but less wind after 3 pm. Fine night.		
M. 5.	-37 -29	SW ₁ . SW ₂ . SW ₃ .	32 1/2 37 47	Hazy & slight frost, more moon last hazy and thick as the 2 nd -5 am day opened, but the after 8 1/2 noon mostly bright. Cloudy even'g, showers at 9 pm.		05
Tu. 6.	-32 -22	SW ₂ . SW ₂ . SW ₃ . 4.	45 48 52	Cloudy & warm morn'g, clearer after 9 am, sun at times, but the afternoon mostly cloudy, and a blustering & cloudy evening.		
W. 7.	-12 -17	SW ₃ . WSW ₃ . SW ₂ .	47 52 55	Very mild, cloudy & windy, close with warm breeze all the day, chiefly cloudy. A little shower about sunset, then less wind.		11
422.64		279.3475		Mean Temp 44.75 Rain carried up } 0.31		
626.5				Nearly 8° above Average.		

February 1877.

Feb'y.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Weather, &c.	Notes.	Rain.
Th. 8.	30.22 -23	W ₀ . W ₃ . W ₁ .	37 1/2 40 47	Clear & calm morning, bright day, but the wind became brisk from 11 am. and began to be less after 3 pm & a tranquil evening.		0.31
Fr. 9.	-10 -05	W ₁ . SW ₂ . SW ₁ . 2. 3.	36 38 49	Fine morn'g, light clouds and sun, and the day nearly the same, but more cloudy after 2 pm. Warm & breezy night.	Crocus flowering.	
Sat. 10.	29.88 30.02	SW ₄ . SW ₄ . WSW ₂ .	44 49 53	Cloudy warm & blustering little sun at times, and very mild. Brighter after 2 pm, wind less, but the night breezy & showery.		
Su. 11.	29.82 -95	SW ₃ . W ₆ . W ₂ .	45 48 52 1/2	Rain early AM. Fine and bright at 8 AM, and a very blowing, but mild, and mostly bright. The evening the same, but changed at 12 pm.	8 H O	13
M. 12.	-90 -71	SW ₂ . SW ₂ . W ₅ . 3. 2.	44 46 52	Overcast and rainy morn'g and continued thick, and dripping most of the forenoon. Finer PM, but the wind squally at times.		20
Tu. 13.	-81 -88	SW ₃ . WSW ₂ . W ₁ .	42 1/2 46 49	Cloudy & mild, but fine new moon till noon, then a very wet afternoon till 4 pm, afterwards finer, but cloudy. Night foggy and thick.	8. 59 am	21
W. 14.	30.02 -04	SW ₁ . SW ₂ . SW ₁ .	39 44 53	Foggy & light rain AM. and cloudy till noon. Fine mild and bright PM. Even'g chiefly clear, and nearly calm.		05
419.63		288.3553		Mean Temp 45.964 Carried over } 0.90		
643.5				9° above Average very nearly.		

February 1877.

Feb'y.	Baro- meter.	Wind.	Thermom ^r Min. 8. Max. am.	Weather &c.	Notes.	Rain 0.90
Th. 15.	30.03 29.90	SW ₁ SW ₂ SW ₁	44 46 51 1/2	Fine sunny morn'g and mostly bright till 11 a.m., afterwards cloudy at times, but fine. The evening thick and more clouded.		
Fr. 16.	-81 -87	SW ₆ W ₃ W ₂	40 41 47	Storm of wind & little rain at 5 a.m., a gale for a short time, then fine & partly bright with a drying breeze. Evens in part clear.		.03
Sat. 17.	-95 30.10	WNW ₃ NW ₃ W ₁	38 42 48	Clear morn'g, continued very bright till 10 A.M., afterwards clouds, and sun, & a rather bleak wind. Cloudy eveng, & less wind.	Birds very much out of hole & noise	
Su. 18.	-72 -73	SW ₁ SW ₂ SW ₁ & 2.	39 43 52	Close morn'g, little wet at 5 A.M., then a fine, mild, and pleasant day, and partly bright. Birds turn'g out. Cloudy eveng.	Showery night.	.11
Mon. 19.	29.95 -68	SW ₂ W ₃ W ₂	40 42 46	Showers last night, fine with some sun this morn'g, and the day mostly bright, with a bleak wind. Fine till after midnight then squally & cold.		
Tu. 20.	-18 -50	NW ₄ NW ₆ NW ₃	35 37 42	Fusty wind & storms of rain early A.M., and from 9 till after noon, much rain, & sleet, with strong wind. Finer from 1 p.m., but the night squally at times.		.18 .27
W. 21.	-75 -91	NW ₄ NNW ₄ N ₃	34 37 42	Squally showers of rain moon 1 st 2 nd and sleet at times. Little 4. 15 a.m. sun between: blustering and cold day, and even the same.		.28
417.88		2703285		(Mean Temp 42.75) Rain cald up 1.77		
		598.5		= 5 3/4 deg. above Average.		

February 1877.

Feby	Baro meter	Thermom Wind	8. min am	Flas	Weather &c.	Notes.	Rain. 1.77
Th 22	30.05	N 2.	32		clouds & sun, but mostly cloudy, and colder wind.		
		N 3.	36		A little snow at 4 pm, and		
	29.80	WSW,	40		wind to WSW, overcast & milder. Colder again with snow in the evening. -	Snow. -	
Fr. 23	-92	NE,	30		Little frost early AM.		
		NE,	35		Clouds & sun, and the snow gone before 11 AM. Showers of hail in the afternoon.		
	30.02	NE,	4 1/2		Evening frosty & in part clear. change in the night. -		
Sat. 24	29.71	SW 3.	34		Rainy morn'g, afterwards windy, and mostly cloudy,		18
		WSW 4.	43		but very mild. Again overcast after 4 pm, & rain		
	-63	W 4.	49 1/2		at times, in trifling falls		
Su. 25	-47	SW 4.	42		Squally wind & mild morn'g.		
		W 5.	46		blustering day, mostly cloudy & but little sun,		
	-48	W 3.	50		flying showers PM, and hard rain at 8 and 9. -		20
M. 26	-20	W 6.	36		Gusto of wind early AM,		25
		NW 2.	37		with rain & hail: and after 8. snow from NW, till		
	-74	NW 2.	41		near 10 AM. And frequent hail & snow PM. Evening fine, and a frosty night.	Valleys flooded much.	06
Tu. 27	-82	WSW 5.	28		Frost in the morn'g, then a gale WSW, little snow 9 am.	Full moon 7. 14 pm. & total eclipse.	
		W 7.	34		wind to W, strong & bright sun all pm, but sharper air. Froze in shade again from 2 pm, & became severe.	(and clearly seen, a fine scene to the end.)	
	-98	WNW 6.	36				
W. 28	30.09	WNW 4.	22		Severe frost, clear, and very sharp wind. Bright till 10, then cloudy & snow at times. Finer evening, cloudy & wind to NE.		
	-32	NW 3.	27				
		N 3.	37				
		NE 3.					
41723		2255	295		Mean Temp 37.17.	Rain } Total. }	2.46
		520.5			Scarcely above Average.		

Results of February 1877.

Barometer.		Thermometer.	
Highest on the 5 th	30.37	Highest on the 7 th	55.2
Lowest on the 20 th	29.18	Lowest on 28 th	22.5
Range	1.19	Range	32.5
Mean of month	29.95	Mean daily range	9.32
		Mean of Month	42.65
Gales on 5 Days.		More than 5½ degrees above the Average.	
Prevailing winds the S.W., and West.		Fine days 11 in number, Rainfall 2.46 Inches.	

This month up to the 19th day, was not only a continuation, but an increase of the mildness which had prevailed all this season, and all vegetation was forced on, so that gardens and road-sides were decked in all the early gems of Spring! After the 19th more variable, and not so mild, the last three days of the month more wintry, with some snow, and on the 28th severe frost for the first time in this winter.

This was a great check upon all the premature progress of vegetable growth, and destructive to some kinds of plants and flowers. It was at the same time very unwelcome and injurious to Animal life. The effects were felt, and Public Health was evidently shaken by it, both in Town, and Country, as well might be expected.

March 1877.

March	Barometer	Wind	Thermom. Min.	8 AM	Max.	Weather, &c.	Notes.	Rain.
Th. 1.	30.37 -38	W ₂ W ₁ Var. 0.	24	29	37	Hard frost in the morning & h ^o Bright till 10, afterwards hazy at times, with light clouds, and some sun. Frosty & calm evening.	h ^o 34	
Fr. 2.	-28 -22	S ₂ S ₁ S ₂	30	38	47	Change early A.M. overcast and rain, with fog, from 5 till 8; then finer, but foggy more or less all the rest of the day.		19
Sat. 3.	-18 -14	SW ₁ SW ₁ S ₁	43	46	53	Close & little wet in the morn'g, finer and clearer P.M., some sun, and very mild. Much rain at times during the night.		08
Su. 4.	29.95 -92	W ₁ NE ₂ NE ₂	42	45	45	Overcast, & continuous rain till near 11 a.m.; colder afterwards, & wind to N.E. finer but cloudy P.M. More wind in the evening & veering N.W.	Valleys again flooded.	48
M. 5.	-93 -92	W ₃ WNW ₃ WNW ₁	33	36	48	Clear, bleak morn'g, fine day with cumuli, and sun, and a drying breeze. Less wind in the evening fine & partly clear.		
Tu. 6.	-93 -89	W ₂ WNW ₃ W ₁	33	37	45½	Cloudy, with sun, some moon last P. rocky clouds, and a 10.1 pm. drying breeze. - Flying storms at a distance. and stormy looking sky at evening.		
W. 7.	-50 -45	NW ₃ NW ₃ NW ₁	34	35	41	Cloudy with light falls of sleet & rain in the morn'g, finer afternoon, less wind, and sun at times. Cloudy evening.		
420.06		239		3165	Mean Temp 39.67. Rain 555.5 = nearly 2½° below Average.			

March 1877.

March	Baro. meter	Wind	Thermom. Min. 8. Max.	Weather, &c	Notes.	Rain.
Th. 8.	29.90 30.06	N ₃ N ₄ N ₂	32 35 40	Squally and cold, show- ers of sleet with sun at times. Some snow & hail in some of the storms. & snow in the night.		0.75 05
Fr. 9.	-12 -15	NW ₁ NW ₁ SE ₂	29½ 34 42½	Chiefly bright till 2 pm. afterwards more clou- ded, and wind veered at 4 pm to opposite point. Frosty night.		
Sat. 10.	-17 -17	E ₂ SE ₂ SE ₂ S ₁	28 32 39	Frost in the morn'g, and a sharp wind. Hazy & cloudy; but a bright after- noon, and very cold wind. Frosty Even'g. and night.		
Su. 11.	-29 -26	SE ₀ SE ₂ S ₁	24 31 39½	Clear and keen frost in the morn'g, continued very bright all day, but very cold. Some lines of light cloud at Oct. in the West.		
M. 12.	29.98 -70	SW ₃ SW ₅ WSW ₃ S ₁	30 37 47	Cloudy, and change, little wet, then became blustering with rain at times, in trifling drops. Hard gales & showers in the night.		02
Tu. 13.	-72 -84	W ₇ W ₅ W ₂	38½ 43 46½	Heavy gales & showers early AM. Very boisterous day, and some flying rain at times. Milder night and cloudy.		10 05
W. 14.	-89 -95	W ₄ WSW ₄ WSW ₄ W ₂	43 47 55	Mild, blustering & cloudy morn'g; rather squally all day, but mild and sun at times. Flying shower at 2 pm. Clear even'g, less wind.		01
420.20		225.3095		Mean Temp 38° 17. Rain 0.98		
		534.5		= Nearly 4° below Average.		

March 1877.

March	Baro. meter	Wind	Thermom. Min. 8. Max.	Weather, &c.	Notes.	Rain. 0.98
Th. 15.	29.96 -80	WSW ₂ W ₃ W ₁ SE ₂	38 43 49	Chiefly bright in the morn. new moon ing, and at times after, but 2.54 AM. more cloudy after 11 am, & during the afternoon, to 5 P. from 5 pm. Squally night.		
Fr. 16.	-74 -62	W ₄ W ₅ W ₂ S ₁	36 40 47	Stormy blustering morn, hail at 3 AM. Boisterous, & cold day, but mostly bright. Some flying shower & hail at times, & some very large. - Fine night & in part clear.	δ ♀ H (Large Hail.)	04
Sat. 17.	-64 -70	W ₂ W ₃ W ₁	32 37 44	Bright, with rocky cumuli, more clouded about noon, and a little sleet at times: but the afternoon mostly bright. & a fine even, wind gone.		
Su. 18.	-73 -73	SW ₁ SW ₂ W ₁	30 38 49	Bright & frost AM. Fine and sunny day, and warmer, with some light clouds only. Clear night, and became frosty after 11 pm.		
M. 19.	-74 -69	NW ₁ NE ₂ NE ₂ S ₁	28 34 47½	Frost and fog all the mor. ning. Clearer after 10, partially bright, with some clouds. Red sunset, and a stormy looking sky.	δ ♀ H	
Tu. 20.	-53 -48	NE ₂ NE ₄ NE ₃	30 36 41	Little frost early, then cloudy and a cold breeze all day, some snow after 3 pm, and more during the evening. followed by rain most of the night.		
W. 21.	-37 -55	NE ₂ NE ₃ NE ₂	32 36 40	Overcast & rain early, cold and cloudy day, with snow and rain at times. but in small quantity. - Fine and frosty night.		38
415.28		226.3175		Mean Temp 38° 82. Rain 1.40		
543.5		More than 3° below Average.				

March 1877.

Mo.	March	Baro- meter	Wind.	Thermom. 8 AM	Weather, &c.	Notes.	Rain. 1-40
Th.	22.	29.72	N, NW, NW, W ₅ .	29 33 47	Bright & frosty morn. moon 1 st 2 nd continued bright till 1.9 pm. 2 pm. Hail. showers in P.M. the afternoon great darkness at 6 pm. then a snow-storm & hail.		03
Fr.	23.	-85	W ₀ . SSE ₂ . S ₂ . S ₂ .	26 32 46	Smart frost & very white in the morn. very bright most of the day, more hazy and some clouds after 2 pm. & in the evening.		
Sat.	24.	-37	NW ₁ . W ₃ . W ₂ . SE ₁ .	36 37 48	Overcast and rainy from before 1 AM, till after 10. Cloudy afternoon till 2, then bright till 5, but the evening cloudy.		33
Su.	25.	-12	SE ₃ . SE ₂ . SSE ₁ .	39 45 52	Mild morn. blustering & rain early. Mild day, clouds and sun, and less wind. Very bright evening to sunset, and a fine night.		25
M.	26.	-32	S ₁ . SE ₂ . SE ₂ . & 1.	39 46 52	Mild with clouds, and sun, but fine till after 2 pm. then a little rain at times, muzzling only, & again bright. Rainy night.		04
Tu.	27.	-40	SW ₁ . SW ₁ . SW ₁ . & 3.	39 ² 47 53	Very rainy till 6 AM, then fine with some sun, mild and pleasant till 2 pm. Thunder at a distance. Closer evening, rain in the night.	Thunder storm NW 3 4 pm.	19
W.	28.	-78	SSW ₂ . SSW ₂ . SW ₁ .	38 45 55	Clouds and sun, after a showery morn. and bright & pleasant day, and fine spring-like evening. Closer night.		13
		413.53		2463 353	Mean Temp 42.82. Rain cal. up 2.37		

599.5 = $\frac{3}{4}$ of a Degree above Average.

March 1877.

Month	Baro- meter	Wind	Thermom. Min 8 AM Max	Weather, &c.	Notes.	Rain.
March						2.37
Th. 29.	29.92	W. S. E. Var.	41½ 45 50	Foggy & dripping mor- ning. Clearer after 10- but cloudy more or less after, & some rain at times: with distant thunder all evening till 8.	Full moon 5.49 AM. (Thunder PM. Wynneck heard.)	05
Fr. 30.	30.02	S. NW. NW.	42½ 48 51	Close & cloudy morn. Clearer PM, yet chiefly cloudy, but became bright after 4 pm. And a fine night.		
Good Friday	-13	& 1.				
Sat. 31.	-16	SSW. WSW. SW.	38 47 53	Bright and breezy morn, more cloudy af- ter 10 am, blustering, and cool, but less wind after 4 pm. Cloudy night.		
	-07	& 2..				
180.25			122 154	Mean Temp. 3 days 46. Rain 2.42		

Barometer.

Highest on the 1st 30.38
Lowest on 25th 29.12
Range = 1.26
Mean of Month 29.82.

Gales on 3 Days.

Prevalent winds the W, and SW.

Thermometer.

Highest on the 14th & 28th 55°
Lowest on 1st & 11th 24°
Range = 31°
Mean daily range 12.64.
Mean of the month 40.46.

1 1/2 Degree - below Average nearly.

Fine days 16 in number.
Rain-fall 2.42 Inches.

This was a colder month than any of the winter just past, and yet not much under Average; but wet and gloom greatly prevailed as it had in the entire winter now ended. Vegetation previously very forward, was considerably checked in this month, yet many flowers bloomed, including Daffodils, and Anemones.

APRIL 1877.

April.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather, &c.	Notes	Rain.
Su. 1. Easter Day.	30.05 -02	W ₄ WNW ₂ W ₁ .	43 47 51	Breezy & little wet at 7 AM. Clouds & sun in the day. Shower at 6 pm: then finer and clearer evening.		03
Fr. M. 2.	-03 29.92	W ₂ W ₂ SW ₁ & 2.	37 47 54	Bright with light clouds, and brisk wind, pleasant day. - More clouded after 3 pm, but again bright. Evening closer, & fine night.		
Sa. Tu. 3.	-74 -38	SSW ₂ S ₅ S ₄ & 2.	44 50 57	Cloudy mild morning. Very windy after 10 am. Many clouds & some sun. Blowing & cloudy evening. Warm night.		
Su. W. 4.	-40 -22	S ₃ SSE ₃ SE ₂ S ₂ .	47 56 64	Warm breeze, & some clouds. Bright, and warm day, but hazy & a brisk wind with light clouds. Sc. were thunder storm 6 pm.	Sharp thunder storm	27
M. Th. 5.	-45 -61	S ₃ S ₄ S ₂ .	40 50 53	Bright morning, but moon last. Dr squally afterwards, fly ing showers & rocky clouds, & sun between. Some distant thunder.	4. 30 pm. wingneck again pined.	04
Tu. Fr. 6.	-64 -64	SW ₃ SW ₂ SW ₂ .	40 50 55	Clouds and sun with brisk wind at times and trifling showers. Fine evening and night & partially clear.		05
W. Sat. 7.	-75 -79	SSW ₂ SSW ₁ SW ₁ .	40 50 57	Bright morning, afterwards clouds & sun, and distant thunder showers. Evening rather cloudy.		

415.64 29.23915 (Mean Temp 48.82) Rain 0.39
683.5 = Nearly 3° above Average.

APRIL 1877.

April.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather, &c.	Notes	Rain.
Su. 8.	29.80 -76	SW ₁ SSE ₁ SSE ₂	42 52 58	Bright morning till 9, afterwards hazy & grey clouds, but not cold. Rainy evening, and night from 7 pm.		
M. 9.	-67 -72	S ₁ S ₁ Var. $\frac{1}{2}$.	45 52 58	Rainy early AM. Cloudy and close morning. Clearer after 10, little sun but mostly cloudy, and the night very thick.		47
Tu. 10.	-62 -70	SE ₂ W ₁ N ₂ W ₁ .	45 50 53	Great fog till near 11 AM, afterwards raining, and the wind veered about much. Finer from 3 pm, and the evening in part bright.		78
W. 11.	-74 -90	WSW ₁ W ₂ NW ₂ NE ₁ .	42 52 53	Bright morning, but some clouds after 8, and about noon, dark haze & a little rain near 2 pm, then clearer. The evening cloudy but night fine.		01
Th. 12.	30.72 -14	NE ₁ NE ₂ NE ₂	34 43 47	Clouds & sun, but mostly cloudy, and a colder breeze. Nearly the same all the day, but somewhat clearer about sunset.		
Fr. 13.	-06 -04	E ₁ SE ₂ SSE ₂ S ₁ .	34 49 55	Clouds & sun, and con. moon timed fine, and inclined to be warmer. More overcast after 5 pm. and gentle rain in the night.		11
Sat. 14.	-15 -26	SE ₂ SE ₂ E ₂ & 1.	42 48 50	Close and cloudy morning, mostly cloudy in the day, but some sun after 2 pm, yet colder than at noon. Evening bright & fine night.		

418.68 28.553745 (Mean Temp 47.14) Rain 1.16
660 = 1° above Average.

APRIL 1877.

April.	Baro. meter	Wind.	Thermom. Min. 9 AM. Max.	Weather &c.	Notes.	Rain. 1.16
Su. 15.	30.29 -10	SE 3. SE 3. ESE 4.	36 48 51	Bright with parching wind, and light clouds, the wind boisterous, and cold as if NE, but abated after 5. Even in part cloudy.		
M. 16.	29.94 -82	SE 5. ESE 6. E 6. E 4.	40 46 49 1/2	Hazy, & blustering morn but fine. Bright from 11 am - all the afternoon, but very blowing & cold. The night similar.		
Tu. 17.	-84 -72	ENE 4. ENE 5. NE 3.	37 44 46 1/2	Keen wind, clouds, and sun. More cloudy at times in the afternoon and very boisterous & cold. Rain & hail storms at evening.		05
W. 18.	-72 -76	NE 2. NE 2. NE 1.	37 42 44	Cloudy more or less, & cold for the season, but much less wind and further abated after 3 pm.		
Th. 19.	-93 30.17	NE 2. NE 2. NE 1.	38 43 1/2 47	Cloudy with little gleams of sun, and a cold breeze, but very fine. The evening very bright to sunset.		
Fr. 20.	-25 -28	N 1. SE 1. SE 1. SSE 1.	32 51 60	Bright with light cumulus, and very warm. 37 pm. & pleasant after 10 am. Hazy evening, and rather close, but fine.		
Sat. 21.	-19 29.92	SE 2. SE 2. SE 3. SE 2.	42 45 48	Hazy & thick, followed by rain at 8 am, which continued most of the day, & more wind 1 pm. Even rather finer.		14 24
419.93		262 346		Mean Temp 43.42 Rain 1.59		
		608		= 2 below Average.		

APRIL 1877.

April.	Baro- meter	Wind.	Thermom. Min. 9 AM. Max.	Weather, &c.	Notes.	Rain 1.59
Su. 22.	29.73 -73	W ₁ . Var. 1. NE ₁ . E ₁ .	45 49 56	Close & foggy morn, rain after 8 a.m., & till 10, then finer, little sun, & distant thunder, p.m. Cloudy evening, wet night.	(Cuckoo heard. Thunder.	'08
M. 23.	-67 -68	W ₃ . WSW ₂ . WSW ₁ . 80.-	40 51 57½	Rain at times from last evng till 2 this morn. Bright with rocky clouds most of the day, and a gentle wind. Clouds very electric. Evng rather hazy; fine night.		'19
Tu. 24.	-76 -89	Var. 0. NE ₁ . N ₁ . NW ₁ .	36 48 53½	Fog early, then clouds, & sun; little rain & hail at 11; the afternoon brighter with rocky clouds. The Evng chiefly bright.	□ ○ ♂ (Nightingale sang much.	'01
W. 25.	30.01 -03	NE ₁ . NE ₂ . NE ₁ .	32½ 46 50	Clear till 8 a.m., then became in part cloudy and more clouded after noon, and a cold breeze. Fine night & partly clear.	♂ ♀ ○	
Th. 26.	-05 -06	NE ₁ . ENE ₂ . ENE ₂ . 81.	34 47½ 49	Cloudy with little gleams of sun, but the afternoon more clouded and cold for the season. Evng the same, but a fine night.		
Fr. 27.	-03 29.90	E ₂ . E ₂ . E ₂ .	38 47 51	Clouds and sun; but became more cloudy, afterwards partial sunshine and grey clouds. Evng fine, but a stormy looking sky.	Full moon 4.36 p.m.	
Sat. 28.	-81 -88	E ₂ . E ₂ . E ₂ .	40 47 51	Grey clouds, and gleams of sun, with a brisk drying wind, but for the most part quite cloudy.		
418.23		2655 368		Mean Temp 45.25 Rain 1.87		
		633.5		1° below Average.		

APRIL 1877.

April.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather, &c.	Notes.	Rain 1.87
Su. 29	29.89	N 1. N 2. N 2.	40 46 51 1/2	Cloudy morn'g, and continued more clouded and dark till noon rather clearer pm. & a little sun towards evening. Cloudy night.		
M. 30.	30.12	NE 2. NE 2. NE 2.	40 45 49	Cloudy morn'g, and a cold & cloudy day, but some sun at times after 2 pm. Cloudy even'g, & slight wetting.		
	120.21		80 100.5	Mean Temp 45° 12. 2 days	Rain 1.87	

Barometer
Highest on 15th & 20th 30.29.
Lowest on 4th 29.22.
Range = 1.07
Mean of Month 29.87.
Gales on 3 days.

Thermometer
Highest on the 4th 64°
Lowest on 20th am. 32°
Range = 32°
Mean daily range 13° 18'
Mean of month 46° 09'.
One degree below Average.

Prevailing winds the N.E., and S.E. —
Five days 18 in number
Rainfall 1.87 Inch.

This was a cold, gloomy, and very ungenial month, a great check upon vegetation after so mild and forcing a winter had impelled a very early growth upon all nature outdoors, and public health was also sadly affected by the unkindly state of the atmosphere since the end of February.

MAY 1877.

May	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather, &c.	Notes.	Rain
Tu. 1.	30.37	NW 1. NNW 2. NNW 1.	36 1/2 43 48	Cloudy & cold, and some hail showers at 9 am. very cloudy & cold for the season through the day. The evening the same.		
W. 2.	30.40	NW 1. NNW 1. Var. 1. SW 2.	37 1/2 49 52	Cloudy but soon clearer, with sun at times from 8 till after 10, & bright after 2 pm. till 5. then hazy all the evening.		
Th. 3.	30.20	NE 1. NE 2. N 1.	31 45 47	Hard frost early AM. Cloudy most of the day, and cold for the season. Evening rather clearer. Very clear night.		
Fr. 4.	30.14	NE 1. NE 2. NE 1.	28 49 51	Clear, & keen frost, early am. partly bright in the day, with many clouds, and a little sleet at times. Bright evening, but very cold as before.		
Sat. 5.	29.98	NW 0. NE 1. E 1.	25 1/2 45 50 1/2	Very keen frost early AM. Clouds & sun in the day, and very little wind, but very cold. Fine night, and frosty but not so severe.	Moon last 20 11.19 am.	
Su. 6.	29.97	E 1. ESE 2. E 1.	28 51 58	Frost early, bright with cumuli clouds through the day, but a cold breeze. Very clear evening, & night.	Brimstone butterfly appeared.	
M. 7.	29.90	E 1. E 2. E 1.	32 1/2 57 64	Clear, but less frost early. Bright & much warmer as the day opened. Very bright all day. Some electric clouds in the evening.	Peacock butterfly appeared.	
	421.78		219 370.5	Mean Temp 42° 10' 11° below Average!	Rain - none over	

MAY 1877.

May.	Baro. meta	Wind.	Thermom. Min. 9. Max.	Weather &c.	Notes.	Rain
Tu. 8.	29.86	NE 1, 36 NE 2, 56 E 2, 66 H. O. -		Very bright morn'g, and continued bright all the day, and much warmer. Hazy in the night, & closer air.		
W. 9.	-72	SE 1, 43 SE 2, 59 SE 1, 65		Hazy & close, with drops of rain in the morn'g. Bright & warm after-noon, & the evening bright, but stormy clouds on the horizon.		
Th. 10.	-72	SE 1, 45 SSE 2, 58 S 1, 64		Showers in the past night. Day in part bright, but many rocky clouds. Distant thunder. More hazy after 3pm, and darker clouds.		.07
Fr. 11.	-66	E 1, 45 Var. 1, 57 SW 1, 61 H. O. -		Cloudy & little rain at 7 AM. Fine but cloudy in the day, & little sun. till 2 pm, then showery, till near 5. Even'g fine.		.02 .38
Sat. 12.	-72	SE 1, 45 SE 1, 52 SE 1, 61		Cloudy & lowering till 10 am, afterwards part-ly bright, with some heavy electric clouds. Cloudy night.		
Su. 13.	-74	NW 2, 47 NW 2, 49 NW 2, 52		Rain at 6 am, conti-nued cloudy & cooler with slight rain at times. Cloudy eve-ning, and night.	new moon 5.29 am.	.04
M. 14.	-79	NE 1, 42 SE 1, 52 SE 1, 57		Cloudy till noon; the afternoon clearer, and some sun. Evening and night, calm, cloudy & close.		
416.49		30 34 28.5		Mean Temp 52.25.)) Rain cal. up 0.51		
		731.5		= $\frac{3}{4}$ of Degree. below Average.		

MAY 1877.

May.	Baro. meta	Wind.	Thermom. Min. 9. Max.	Weather, &c.	Notes.	Rain 0.51
Tu. 15.	29.90	E 1, 45 Var. 1, 53 W 3, 56 W 2, 1.		Calm, close, & hazy mor-n'g. Cloudy forenoon, and rainy afternoon, & more wind. But fine and bright after 3 pm, and all the even'g.		.09
W. 16.	-17	SW 1, 43 SW 2, 61 SSW 2, 64		Bright and cheering mor-n'g, and warm day, (thunder with clouds and sun. Distant thunder S. at noon.		
Th. 17.	-03	SE 2, 49 SSE 4, 55 SSE 6, 55 S 2, 55		Hazy and warm night. Rainy till about noon windy & cloudy PM, and rain again after 2, and very gusty wind. Evening clearer & less wind at times.		.32
Fr. 18.	30.04	SW 2, 46 WSW 3, 60 SW 3, 63 H. O. 2.		Rocky clouds & sun, with brisk wind, flying showers at 1 pm, and at 6 pm. (thunder with distant thunder. Showery evening.		.04 .10
Sat. 19.	29.94	SW 2, 47 SW 1, 54 Var. 0, 56 E 0, 56		Cloudy morn'g, & little rain at times, and the day mostly overcast, and rainy, but finer after 3 pm, and at 9 pm, partly clear.		.20
Su. 20.	30.12	NE 3, 46 NE 3, 48 NNW 2, 53		Rain at 5 & 6 AM. Fine moon 1 st 9 th but cloudy and cool wind through the day, and a cloudy evening, and night but fine.	0.56 am.	.21
M. 21.	-22	N 2, 44 N 3, 54 N 3, 58		Clouds and sun, cool wind, but fine and drying day, but the evening overcast, and some light rain at times.		.04
420.74		32 1 40.6		Mean Temp 51.928.)) Rain cal. over } .151		
		727		= more than 1° below Average.		

MAY 1877.

May.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather &c.	Notes.	Rain. 1.51
Tu. 22.	30.27	NNE NNE NE	45 49 52	Rain at times early AM. fine after 7, but cloudy, and cold for the sea- son. Even, rather clear er, and less wind.		.07
W. 23.	-27	NE NNE N	41 49 53	Clouds and sun, but chiefly cloudy, and cold, the evening nearly the same as the day.	♂ & ♀	
Th. 24.	-25	N NE NE	42 51 56	Clouds and sun, with very little wind. More clouded after 3 pm, and a slight sprinkling of rain. Even, again clear- er, and a fine night.		
Fr. 25.	-28	Var. SW SW W	42 55 62	Bright morn'g till 8 then cloudy at times. Hazy & warmer PM, and became bright till 5. Shower at 6 pm. Electric clouds in the eveng.		.02
Sat. 26.	-24	W WSW WSW SW	47 61 65	Bright with a haze, and a warm morn'g. Hazy at times in the day, but warm & mostly bright till 1 pm, then very hazy but a bright evening.		
Su. 27.	-03	SW SW S	44 59 67	Bright breezy morn'g. Full moon fine warm day, very bright PM, wind very brisk at times. Hazy & electric eveng.	4.5 AM.	
M. 28.	-42	SW SW SW	52 62 64	Close and cloudy mor- ning, became bright af- ter 8 with rocky clouds, and boisterous wind. Showers at a distance. & one here at 6 pm.		.04
Mean Temp 52° 32. Rain 1.64.						
732° 5' — 1° below Average.						

MAY 1877.

May.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather &c.	Notes.	Rain 1.64
Tu. 29.	29.70	SW SW SW	46 58 63	Bright morn'g, and a brisk wind, with clouds and sun in the day. Showers at a distance, & some dark clouds.		
W. 30.	-71	SW SW SW	45 59 64	Bright with some clouds, warm growing day. Little showers at a distance. Calm eveng and mottled sky.		
Th. 31.	-76	ESE SE SE	44 62 68	Bright with electric clouds till 8, then hazy, but again partially bright after 11 am. and very warm afternoon. Close & cloudy evening		
Mean of last 3 days 55° 08. Rain = 1.64						

Barometer
Highest on the 1st 30.43
Lowest on 28th 29.42
Range = 1.01
Mean of month 29.97
Gales on 2 days.
Prevailing winds the
NE, and SW.

Thermometer
Highest on the 31st 68°
Lowest on 5th am 25° 5'
Range = 42° 5'
Mean daily range = 19° 54'
Mean of month = 50° 17'.
Fully 3 degrees below the Average.
Fine days 19 in number.
Rainfall 1.64 Inch.

With but little exception, this was a cold and ungenial month, and great absence of sun, so that vegetation remained very backward. It was a great injury to the flowering shrubs, Lilacs especially, as they had swollen and opened the bud in mild weather up to the 21st of Feb'y, and then became blasted by the subsequent cold, so that the foliage and flowers are puny and scarcely formed; and many of the lilac-trees appear to be dying.

JUNE 1877.

June.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather, &c.	Notes.	Rain.
Fr. 1.	29.61	SSE 6 SSE 6 S 5 SSW 3	52 62 62	Sultry morn'g, heavy gusts of wind & shower 5 am; exceedingly high wind most of the day with clouds & little sun. Even'g clearer, wind less.	(A great wind for the season.)	.20
Sat. 2.	29.91	W 3 SW 4 SW 3 & 2.	51½ 57 61	Cloudy, and breezy morning, and the day nearly the same, but after 5 pm, clearer, and chiefly bright, & less wind.		
Su. 3.	29.98	SSE 2 SSE 4 SE 2	49 68 75	Very bright morning, heat increasing. Bright and hot day, yet a rough wind at times. Dappled sky at sunset, and a sultry night.	(Sunset 68°)	
M. 4.	29.91	SW 1 S 2 SSE 1	58 70 79	Small electric clouds moon at 7 am; bright & very hot afterwards, but some clouds again in the evening. Close night.	(Sunset 69°)	
Tu. 5.	29.96	SW 3 SW 2 SW 1	55 62 66	Hasty shower 5 am, then fine with clouds & sun all the day, and cooler breeze. Even'g bright, & again more settled.		.04
W. 6.	29.96	SW 2 S 2 S 3	49½ 65 69	Bright, with some clouds, & very warm, but breezy. More hazy & cloudy after 12 noon, again bright from 2 pm. Cloudy evening. Showery night.		.09
Th. 7.	29.20	SW 2 SW 3 SW 2	48 62 67	Bright, with loose cumuli clouds, & brisk wind. Cloudy evening, closer, & much less wind. Fine night.		
419.70			36.3 47.9	Mean Temp 60° 14. Rain 0.33		
84.2		About 1½ above Average.				

JUNE 1877.

June	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather, &c.	Notes.	Rain. 0.33
Fr. 8.	30.26	S 1. S 2. S 2.	50½ 67 72	Bright & very warm morning, small electric clouds. Similar all day and a pleasant heat. Evening cloudy & close. & a sultry night.		
Sat. 9.	30.16	SSE 2. SW 2. SW 2. & 1.	55 73 77	Bright & very hot morning, the day also, very hot, & chiefly bright. The evening more so, and pure golden sun-set.	(Th. 68° at 10 set.)	
Su. 10.	30.23	W 2. SW 2. SW 2. SE 2.	55 69 78	Bright & very hot all day alike, till 6 pm, then more hazy for a short time, and again bright, & orange at set.	☐ ☉ h	
M. 11.	30.22	W 1. SW 1. SW 2. S 1.	53 72 80	Very bright & hot morning, and a very fine hot day, with some light clouds. Evening hot & clear. Bath storm at night.	new moon 2.32 pm. (Thunder & lightning from 9 pm.)	
Tu. 12.	30.03	ESE 2. ESE 2. E 2.	57 63 71	Rain, lightning & thunder at 2 to 3 am. Close morning and clouds on different tracks all day. Evening bright till 7, then cloudy.	Thunder-storm from 2 to 3 am	.30
W. 13.	30.12	NE 2. NE 2. E 1.	53 60 67	Cloudy morning, and mostly so afterwards but a little sun in the afternoon, and a bright evening.		
Th. 14.	30.26	E 2. E 2. E 2.	45 63 67	Clouds and sun, afterwards very bright and a parching wind. Evening also very bright.		
422.45			36.8 51.2	Mean Temp 62° 89 Rain 0.63		
880.5		Near 4° over Average.				

June 1877.

June.	Baro. meter	Wind	Thermom. Min. 9. Max.	Weather &c.	Notes.	Rain.
Fr. 15.	30.30	E 1. E 2. E 1.	48 66 71	Bright with some light clouds, & a parching breeze, much warmer again. Evening brilliant like the day, & very fine night.		0.63
Sat. 16.	31	E 1. E 2. E 1.	48 67 72	Clouds & sun till 8 am, then bright all day, and parching as before. The evening also bright, & a golden sunset.		
Su. 17.	22	ESE 1. ESE 2. E 1. NE 2.	51 72 77	Very bright and hot morn., and continued very hot clear, and parching all the day. - Evening bright, and wind veered.		
M. 18.	20	E 1. E 2. E 1.	53 73 81	Very bright & hot all moon day; light electric clouds at 2 rising in SW, in dotted lines, and the same about the sun, set, and very red afterwards.	6. 24 am.	
Tu. 19.	26	E 1. NE 2. NE 2. 81.	55 72 76	Very hot and bright, but some thin clouds during the day, & light breeze. Somewhat foggy during the night.	840	
W. 20.	25	NE 1. E 1. ESE 1. 80.	51 69 78	Fog early, then bright, and very hot, with a few light cirri clouds. The evening also hot, and brilliant. Very fine night.		
Th. 21.	13	E 1. E 1. SE 2. 81.	51 70 75	Bright and very hot, with scarcely any cloud seen, but more hazy after 3, & electric in the evening. Cloudy & close night.		
423.06		357	531	Mean Temp 63.428 Rain can up } 0.63		
888				= 4.2° above Average.		

June 1877.

June	Baro. meter	Wind	Thermom. Min. 9. Max.	Weather, &c.	Notes.	Rain. 0.63
Fr. 22.	29.79 -68	S ¹ SW ³ SW ² SW ²	58½ 68 71	Showers early AM, then rocky clouds & hot sun a stormy looking sky, and distant Thunder PM in S. & S.E. Brighter evening. Unsettled night.	(Thunder in S & S.E. 3pm.)	.12
Sat. 23.	76 30.63	W ⁴ W ³ W ² NW ¹	54 57 63	Squally showers early AM, till after 5. Cloudy breezy and cool day. Less wind & more sun PM. Evenng again cloudy. Cooler night.		.09
Su. 24.	17 -22	NW ¹ W ¹ Var ¹ 80.	44 63 70	Bright with cumuli clouds, & a cool breeze. Less wind & brighter PM, and a calm evening, & night.		
M. 25.	24 -19	NW ¹ W ² W ¹	48 66 73	Bright, and very warm till after noon, then more clouded at times. The evening close, and cloudy, but a fine night.	Full moon 4.53 pm.	
Tu. 26.	16 -15	W ² SW ³ SW ⁴ W ²	52 69 70	Warm breeze, grey clouds, & sun. More clouded in part of the afternoon, and a little rain. Heavy storm at 5 pm. Evenng fine & bright.		.12
W. 27.	19 -27	W ² W ³ NW ¹ 80.	54 63 69	Rainy at 6 am, close morning. Clearer after 8, clouds and sun, with a brisk air. Evenng tranquil, & partly cloudy.		.04
Th. 28.	32 -32	WNW ² W ² W ² 180.	49 69 76	Hazy but bright with a fresh breeze, and streaks of thin white cloud. Very hot from 10 am, and chiefly clear. Hazy & close evening, yet bright.		
421.49		3595492		Mean Temp 60.82 } Rain can over } -1.00		
		851.5		nearly 2° above Average.		

JUNE 1877.

June	Baro. meter	Wind	Thermom. Min. 9. Max.	Weather &c.	Notes	Rain 1.00
Fr. 29.	30.34	WSW ₂ SW ₂ SW ₁ & 0.	61 72 80	Sultry & rather hazy morn, became bright & very hot, and so continued all day, some light cirri like locks of wool pulled out to a point, curled sky in the evening.		
Sat. 30.	32 -30	SW ₁ W ₁ SE ₂ SE ₀	58 72 73	Bright with some light clouds at 8 & 9 AM, close & sultry till noon, overcast and cooler PM. Few drops of rain. Close night, & after midnight - rain.		
12128			119 153	Mean 2 days 68°!	Rain - 1.00	

Barometer.

Highest on the 15th - 30.35

Lowest on 1st - 29.61

Range 0.94

Mean of month 30.13.

One Gale on the 1st day,

Thermometer.

Highest on the 18th - 81°

Lowest on 24th am 44° -

range - 37° -

Mean daily range 20° -

Mean of month 62° 23

About 4¹/₄° above the
Average! -

Prevailing winds the SW,
E, and W.

Fine Days in number,
Rainfall 1.00. Inch.

This was a hot, dry, and lovely Summer month, the
hottest for 9 years past, but with some refreshing
rains on the 1st, 12th and 22nd. All nature made a
great and rapid progress at once in this month,
after so long a previous check, but the pros-
pect of orchard and garden fruit is bad beyond
what is usual.

JULY 1877.

July	Baro. meter	Wind	Thermom. Min. 9. Max.	Weather &c.	Notes	Rain
Su. 1.	30.14 -12	E ₀ E _{1/2} W ₂ & 1.	58 62 62	Overcast & rain from before sunrise and more or less till 4 pm, then finer, and clearer, evening and night throughout.		.88
M. 2.	-12 -11	W ₁ W ₂ SW ₀	50 64 72	Cloudy but soon clearer and fine, bright, and hot day, with cumuli clouds. Close & calm eve- ning & dark clouds.		
Tu. 3.	-12 -11	SW ₁ SW ₂ W _{2.1}	52 63 70	Bright morn, some clouds followed at 8 am, but for 9. 2 pm. the most part bright, & a pleasant heat. Heavy shower 4 pm. Thunder S. 4.5	Dr cuckoo heard daily.	.03
W. 4.	-12 -08	SW ₁ SW ₁ WSW ₁ & 0.	54 65 69	Bright with some clouds and beautiful rocky cumu- li among them. Showery at noon: then a bright, & pleasant afternoon.	Distant Thunder early AM.	.02
Th. 5.	-06 -02	W ₁ W ₂ SW ₁ SE ₂	51 64 69	Bright, with rocky cu- muli, and some distant showers PM, and thunder to the Northward, and South- ward. Heavy showers in the night, but short.	(Thunder PM.)	.13
Fr. 6.	29.93 30.06	SW ₂ W ₂ W ₁	48 62 68 1/2	Bright with clouds, and cooler breeze, and some flying thunder. showers, & hail at 1 1/2, and 2 1/2 pm. Finer afterwards, but a cooler night.	(Thunder again in the PM.)	.03
Sat. 7.	-17 -21	W ₂ W ₂ W ₁	46 60 66 1/2	Bright, with rocky clouds, & a cool breeze. Heavy thunder storms PM, and violent thunder, & hail. Fine evening & night.	(Violent Thunder 3 PM.)	.25
42139			359 477	Mean Temp 59° 71.	Rain - cal over	1.34
		836	Nearly 4° below Average.			

JULY 1877.

Baro.	Thermom.	Wind.	Hum.	Phase.	Weather &c.	Notes.	Rain.
July meta	9 am						1.34
Su. 8. 30.27	45	WNW	62		Bright morn'g but cool at first. Continued chiefly bright, with rocky cumuli till 12, then clouds & showers at 1 pm. Cloudy evening.		.06
M. 9. -33	49	W ₁ W ₃ SW ₂	57	65	Cloudy and little rain at times in the forenoon, fine P.M. & some sun. Cloudy & close evening. Sultry night.		.02
Tu. 10. -28	57	WSW ₁ SW ₂ SW ₁	71	77	Close morn'g, bright and new moon very hot after 8 am, some 10. 6 pm. light clouds & a sultry breeze. Dappled sky in the west all evening; sultry night.	(Cuckoo still heard!)	
W. 11. -18	57	SW ₂ WSW ₁ W ₁	67	72½	Bright till 8 am, then cloudy, close & sultry, but again partly bright in the afternoon, with electric clouds. Close evening.		
Th. 12. -16	52	W ₀ Var ₀ E ₁ SE ₂	65	72	Close and dappled morn'g. Bright and hot, with rocky cumuli in the day. More breeze after 4 pm. Hazy evening & closer.		
Fr. 13. 29.92	54	Var ₀ W ₁ W ₀	68	74½	Calm, close, & sultry morn'g, and rather hazy, became bright after 9 am, and very hot, with electric clouds. Evening very bright, but a cloudy night.	(Cuckoo again heard!)	
Sat 14. -79	60	SSE ₂ S ₂ S ₃	66	73	Close and sultry, hot sun, and electric clouds. Flying showers P.M. Cloudy close & breezy evening. rain after midnight.		.01
42/45	374 501				Mean Temp 62° 5. Rain sat. up -		1.43
875					1° below Average.		

JULY 1877.

July	Baro meter	Wind	Thermom Min 9 Max	Weather, &c.	Notes.	Rain.
						1.43
Su. 15.	29.38	S 5.	58			
		S 2.	63			
		SSW 2.	67			
	-52	SSE 2.				
M. 16.	-57	SSE 3.	55			
		SE 4.	65			
	-56	S 4.	69			
		E. 2.				
Tu. 17.	-59	SSW 2.	56½			
		SW 2.	61			
	-72	SW 2.	64			
		W 3.				
W. 18.	-90	W 4.	54			
		W 2.	58			
	-96	W 0.	63			
Th. 19.	-97	Var. 0.	46			
		SW 1.	66			
	-92	SW 1.	70			
		S 1.				
Fr. 20.	-94	W 3.	52			
		W 2.	63			
	30.09	WSW 1.	66			
Sat. 21.	-13	SW 2.	50			
		SW 2.	66			
	-09	SW 1.	71½			
	417.34		37154705	Mean Temp 60° 14'	Rain car over -	2.96
			842	Nearly 3½° below Average.		

JULY 1877.

July	Baro. meter	Wind	Thermom. Min. 9. Max.	Weather, &c.	Notes.	Rain
Su. 22.	29.98	SSW ₂ SSW ₂ SW ₂ S ₁	55 66 71	grey clouds, and sun, very close and warm all day, with signs of rain. Evening more cloudy & thick. Fine and sultry night.		2.96
M. 23.	-83	S ₂ SSE ₃ S ₃ SSW ₂	58 67 72	Brisk wind, but sultry breeze, and a dappled & mottled sky, with sun at times. Little showers in the evening, but very slight. Close & unsettled night.		.01
Tu. 24.	-67	SW ₂ WSW ₂ SW ₁ W ₁	58 66 71	showery between 1 and 4 AM. Then fine, and bright with some clouds. The afternoon very bright & warm. Very red west at 3 set.		.24
W. 25.	-95	W ₁ W ₂ SW ₁ & 0.	54 69 70	Bright morning, and continued bright with some light clouds most of the day. Evening close & calm. Rain during night.	Full moon 19 pm.	
Th. 26.	29.85	SSE ₂ W ₂ NW ₂ & 1.	57 63 68	Much rain between 2 & 6 am finer after 8, & wind changed about. Fine bright afternoon, flying clouds. Sun set red & clear.		.52
Fr. 27.	-21	W ₁ W ₂ W ₁	53½ 65 71	Clouds and sun, and rather electric, but chiefly bright in the forenoon & at times P.M. The evening hazy & cloudy.	δ ♂ ♀	
Sat. 28.	-24	NW ₁ WNW ₂ SW ₁ & 2.	52 62 65	Hazy thick, and cloudy morning, and chiefly cloudy with little sun, & a few rain drops at times. Very sultry all night.		
419.81			3875.488	Mean Temp 62° 53.))	Rain carried over.	3.73
875.5 = 1° below Average.						

JULY 1877.

July	Baro. meter	Wind	Thermom. Min. 9. Max.	Weather, &c.	Notes	Rain
Su. 29.	30.30	WSW ₂ W ₂ W ₀	61 74½ 78½	Very sultry & hazy morning, brighter after 8, and very hot all day. Mostly bright with light clouds, & a breeze at times. Golden sunset.	(Thermom. 8 pm 72°)	3.73
M. 30.	-37	W ₁ W ₂ W ₁ SW ₀	60 72 79	Very bright morning, some clouds after 8, but chiefly bright, and very hot, the afternoon especially, and splendid sunset. Clear night.	8 pm 71°	
Tu. 31.	-22	SW ₁ SW ₂ W ₁	60½ 75 84	Very bright and extremely hot, some dappled clouds in the P.M., and thunder storms during night from 8 pm and some large hail.	10½ am 79° noon 82° 2 pm 84° 8 pm 74°	.12
18156			18152415	Mean Temp 3 days 70° 5.	Rain	3.85

Barometer

Highest on the 30th — 30.37
 Lowest on the 15th — 29.38
 Range = 0.99
 Mean of Month = 30.02

No gales this month.

Prevailing winds the West, and South-West.

Thermometer.

Highest on the 31st — 84°
 Lowest on 8th AM. — 45°
 Range — 39°
 Mean daily range — 16° 56
 Mean of the month 62° 12

1½° below Average.

Fine days 17 in number.
 Rainfall 3.85 Inches.

This was a very seasonable July, with a salutary mixture of sunshine, and good supplies of rain, and at the end, it proved very hot and sultry, beyond any previous period in this summer. — The corn fields at the end of the month, very rapidly exhibited the tints of maturity in preparation for Harvest.

August 1877.

August.	Barometer	Wind	Thermom ^r	9 am	Mean	Weather &c.	Notes.	Rain
W. 1.	29.94 30.02	NW ₂ NW ₂ W ₂	60 64 70			Shower early AM, and distant thunder. Fine after 6 AM, bright with cumuli clouds. More clouded in the evening. Fine night.	moon last. 10.21 am.	31
Th. 2.	-04 -06	W ₂ W ₂ WNW ₃ W ₂	50 62 66			Bright with cumuli clouds, & cooler breeze. More cloudy in the afternoon, and wind gusty at times. Clearer after 4 pm.		
Fr. 3.	-08 -04	NW ₃ W ₃ W ₄ 3 & 2.	50 59 63			Cool breeze, cloudy & little sun. Very blustering afternoon, & little rain after 3 pm, and till near 8 pm. Fine night.		10
Sat. 4.	-12 -17	W ₂ W ₁ S ₁	47 62 66			Bright with cumuli clouds, tranquil and pleasant. Cloudy and hazy evening. Closer night and fine.		
Su. 5.	-19 -18	Var ₀ W ₁ SW ₁ S ₂ S ₁	55 70 75			Close and hazy morn but soon bright & hot, with cumuli clouds. Evening mostly bright and very pleasant.		
M. 6.	-16 -06	SE ₁ SSE ₂ SE ₁	55½ 70 77			Hazy, but bright, and a doppled sky, very hot and sultry. Cloudy eveng, dark mottled clouds, and very close night.		
Tu. 7.	29.88 -72	SE ₁ SSE ₃ S ₂ SE ₂	60 74 76½			Electric & sultry, little shower 5 AM. Bright, and very hot after 8, but wind at times gusty. Some rain in the afternoon & evening.	much rain till 9 pm	04 68
420.66						37754935	Mean Temp 62° 21.	Rain evng up 1.13
						871	About the Average.	

August 1877.

August.	Baro. meter	Wind.	Thermom. Min. 9 am	Max.	Weather, &c.	Notes.	Rain. 1'13
W. 8.	29.69	SSE 2 S 3-4 S 5-6 4-3.	55.2 67	70	Bright and breezy after the wet night, flying clouds, with warm sun at times, but wind very rough, & some flying rain at intervals. Warm and blustering night.		.02
Th. 9.	69	SSW 3 SW 2 SW 2. & 1.	60 65	71	Very warm breeze early AM, new moon and breezy most of the day 5.17 am. electric clouds, & warm sun. Little shower 5 pm, then a fine and tranquil evening.		.03
Fr. 10.	93	SW 2. SW 2. S 1.	58 67	71 1/2	Bright with flying clouds, and hot from 9 AM. More electric clouds in the evening, and very calm, and pleasant night.		
Sat. 11.	05	W 1 NW 1 NW 1. 40.	54 62	65 1/2	Fog early, clearer at 7 AM, afterwards cloudy, more or less, & rather close. Clearer again & some sun, 3 to 4 pm, cloudy evening, but fine.		
Su. 12.	15	NW 2. NW 3. N 2.	53 63	64	Clouds and sun, with a soft breeze, although NW. More wind & cooler, pm, much cloud, & little sun. Gentle rain in the evening.		.04
M. 13.	06	NE 2. NE 2. ENE 1.	59 64 1/2	69	Close, cloudy, & little wet at 5 AM. Clouds & hot sun in the day, with a brisk wind. Fine evening and night, & partially foggy.		.01
Tu. 14.	00	ENE 1. E 2. E 1.	58 71	76	Fog early, then bright and very hot, with electric cumuli, and a fresh breeze. Lovely summerlike evening.		
	419.35		397.5	487	Mean Temp 63° 17.	Rain over	1.23
			884.5		1° above Average.		

August 1877.

August.	Baro meter	Wind	Thermometer Min. 9. Max.	Weather, &c.	Notes.	Rain. 1.23
W. 15.	30.03 -06	SW ₁ SW ₁ S ₁	60 67 72½	Very close with grey clouds moon 1 st 2 nd diness till 2 pm, then a little time bright. Thunder S. & E, then W from 3 to 7 pm, & little shower, after wards a fine night.	10.28 pm. (Thunder & lightning near at 7.	.04
Th. 16.	-06 -03	S ₁ WSW ₂ SW ₁ SW _½	57 64 74	Grey clouds & little sun, clearer after 10, chiefly bright, & a hot afternoon. Shower & severe lightning & thunder at eve. Foggy night.	(Violent Thunder storm 6½ pm.	.10
Fr. 17.	-02 -09	SW ₁ SW ₂ W ₂ 14.0.	57 66 71	Bright with rocky cumuli clouds, & a fresh breeze. Cloudy afternoon. Calm evening, and a very fine night.	8 H O	
Sat. 18.	-17 -13	SW _½ S ₁ SSE ₁ S ₀	53 66 74	Close and hot, with clouds and sun, till 1 pm; afterwards more clouded, & a little rain after 4; very sultry night.		
Su. 19.	29.92 -90	S _½ SW ₂ WSW ₃ SW ₂	62 67 73	Very sultry, & cloudy morn'g. Little rain between 7 & 9 am. clearer fine & hot at times the rest of the day, but many clouds. Sultry night.		.07
M. 20.	30.02 29.82	S ₀ SSE ₂ SSE ₂ S ₃	62½ 68 78	Very sultry, fog & rain 6 am finer & clearer after 9; very hot and oppressive electric clouds & distant thunder. Hot breeze all night.		.05
Tu. 21.	-70 -83	SSE ₃ SSW ₄ SW ₅ 4.2.	65½ 69 74	Flying clouds, & sun, with a very sultry breeze, and very blustering at 11 am, and most of the day, yet very hot.		
419.78		417.5165		Mean Temp 66.67.		Rain 1.49
		933.5		4½° above Average.		

August 1877.

August.	Baro meter	Wind	Thermometer Min. 9. Max.	Weather, &c.	Notes.	Rain. 1.49
W. 22.	29.78 -82	S ₂ SSW ₁ SW ₅ 3-2.	57 63 68½	Very showery early in the morn'g, & a tremendous storm at 8½ AM, with severe lightning & violent thunder. Windy afternoon & bright. Evening more calm.	Severe thunder storm.	.25 .70
Th. 23.	30.01 -77	W ₂ W ₂ WSW ₁ S, a.	46 62 64½	Clear morn'g, much cooler, and a bright day, with light clouds. Clear night to view the Eclipse - & settled sky.	Full moon 11.11 pm. & total Eclipse.	
Fr. 24.	-26 -24	WSW ₁ SW ₁ S ₂ S ₁	43½ 62 68	Bright - cool & dewy morn'g continued bright, and much warmer with the opening day. a few light clouds p.m. Hazy and mottled sky in the evening, and night.		
Sat. 25.	-11 29.70	E ₀ SE ₂ ESE ₂ SE ₂	52½ 65 65	Hazy & thick morn'g; after 8. clearer, clouded & electric with some sun, but most by 3/4 & distant thunder. Showers with lightning and thunder from 8 till 10 pm.	Thunder.	.25 .15
Sun. 26.	-63 -99	W ₁ W ₃ WSW ₂ S ₁	59 63 65	Heavy shower 3 AM. Clear morn'g, warm breeze & drifting fog. Much cooler after 9, cloudy & blustering, and scarcely any sun. Cloudy & threatening evening.		
M. 27.	-94 -97	SW ₂ SW ₂ SW ₂	56 66 68	Much rain at times all the morn'g from 2 AM, till after 10 AM. and again at noon. Bright from 3 to 5 pm, evening cloudy & close, & a sultry breeze all night.		.55 .23
Tu. 28.	-86 -81	SW ₂ SW ₃ SW ₂	63 64 70	Cloudy & very sultry morn'g, rain from 7 till 9. - bright after 11, blustering wind, at times, but fine & warm afternoon. Clearer night.		.72
419.29		377.469		Mean Temp 60.42.		Rain 3.64
		846		1½° below Average.		

August 1877.

August	Baro. meter	Wind.	Thermom. Win.	9 AM	Max	Weather, &c.	Notes.	Rain.
W. 29.	30.02	W ₂	54			Bright with cumuli clouds, warm and pleasant day; and nearly calm after 3 pm. Cloudy evening, and the wind veered South.		3.64
		W ₁		65				
		SW ₁			70			
	-.12	S ₁						
Th. 30.	-.02	SSW ₂	55			Clouds and sun, and the wind very breezy. Shower at noon, unsettled, but mostly bright again after 2 pm, and a fine evening and night.		
		SW ₂		64				
	29.92	SW ₂			68			.04
Fr. 31.	-.95	SW ₂	51			Bright, with flying clouds, Moon and brisk wind till 3 pm, last Dr 9.15. a heavy gale & shower then p.m. and another at 4 pm. - Distant Thunder.		
		SW _{3.5}		62				
	30.03	W ₂			66		Thunder.	.12
18006			160	204		Mean Temp 3 days 60° 66°))	Rain	3.80

Barometer.

Highest on the	$24^{\frac{11}{16}}$	$= 30.26$
Lowest on the	$26^{\frac{11}{16}}$	$= 29.63$
Range	$=$	0.63
Mean of month		29.98

Gales on 2 days.

Prevailing winds S.W.
W, and S.E. —

Thermometer.

Highest on the 20 th	78°
Lowest on the 24 th AM	43° 5'
Range	34° 5'
Mean Daily Range	14° 54'
Mean of month	62° 88'

Nearly 1 degree above the
Average. —

Fine days 14 in Number.
Rainfall 3.80 Inches. —

This was a very changeable month, with many rain-falls, thunder-storms, and gusty winds, between which some hot and sultry days occurred, and the nights were mostly very close and warm, therefore the month's mean temperature was higher than that of previous months. But the labour in Harvest was much hindered at times. -

September 1877.

Sept.	Baro- meter	Wind.	Thermom. Min. 9 Max. am	Weather, &c.	Notes.	Rain.
Sat. 1.	30.14 -17	W ₂ . W ₂ . WSW ₁ . SW ₀ .	46 58 64	Bright with light clouds, and a cool breeze, nearly the same all day, but more calm after 3 pm. - Fine tranquil evening, and chiefly clear.		
Su. 2.	-11 -02	SW ₀ . SW ₂ . SW ₁ . S ₁ .	44 59 64	Bright morn'g, and conti- nued bright, with light cumuli clouds & rather more wind. A blue haze from 3 to 4 pm. Fine even'g, and partly clear.		
Mon. 3.	29.82 30.04	SE ₁ . E ₁ . NE ₂ . N ₃ .	47 58 58	Cloudy, and threatening, rain & thunder from 10. to 10.30. - and showery P.M. harder rain at times in the even'g, but fine after 9 pm.	Thunder A.M.	2.0 2.8
Tu. 4.	-24 -36	NW ₃ . NW ₂ . N ₁ .	46 54 58	Cloudy with little sun, and very cool breeze NW. Some light showers P.M. Fine even'g, chiefly bright, and a fine night.		0.2
W. 5.	-38 -30	NW ₂ . W ₁ . W ₁ .	41 58 62	Clear, and chilling morn'g & ☽ ☉ continued bright all the day, with cumuli clouds. Evening & night more cloudy.		
Th. 6.	-14 -01	W ₁ . SW ₂ . W ₀ .	47 59 64 1/2	Bright with some light clouds, and a gentle wind, at times. Even'g hazy & some dusky clouds. Calm & cloudy night.		
Fr. 7.	29.99 30.02	NE ₁ . NE ₂ . NE ₂ .	49 61 62	Calm & cloudy morn'g, NE 10 moon clearer after 8, rocky cuppa li and sun, with more wind. Even'g and night chief- ly clear.		
42.174		3204325		(Mean Temp 53° 75°) Rain card over. 0.50		
		752.5		= 4 1/2° below Average.		

September 1877.

Sept.	Baro. meter	Wind.	Thermom. Min. 9 Max.	Weather &c.	Notes.	Rain. 0.50
Sat. 8.	30.04	NE ₂ E ₃ E ₂	45 58 62	Bright with some light clouds, and a drying breeze. A parching day, but cool. Evening in part clear, but some elastic clouds.		
Su. 9.	-13	E ₂ E ₃ E ₂	50 58 64	Mixed clouds & mottled sky in the morn'g. Chiefly bright after 9 a.m., with many light clouds. Clear evening and night, much dew.	8 h 0	
M. 10.	-13	E ₀ E ₁ E ₀	46 63 69	Calm, clear, & dewy morn'g. Continued bright, and very warm, with some light clouds. Even more hazy in the West. Fine night.		
Tu. 11.	-02	ESE ₁ SE ₂ SE ₂ SSE ₂	49 62 68	Clouded sky and hazy morn'g. cloudy with sun, and very electric all the forenoon. Similar P.M., with thunder in SW. Storm of rain & thunder at 5 1/2 p.m.	Thunder at 2 p.m. & 5 1/2 p.m.	07
W. 12.	-92	SSW ₂ SSW ₂ SW ₄ 3. 2.	55 64 67	Soft and warm morning, bright with some clouds. rather blustering in day, but warm & sunny. Evening showery & close.		12
Th. 13.	30.10	SW ₁ SW ₂ SW ₄	52 59 65 1/2	Close and cloudy morn'g. few clouds & little sun all the forenoon. Wind blustering P.M., & more clouded, followed by little rain, but a fine night, and sultry breeze.		03
Fr. 14.	29.97	SW ₄ WSW ₃ WSW ₁ S ₂	59 1/2 66 70	Sultry & breezy morn'g, but cloudy, clearer after 10 a.m. 11. 8 a.m. bright and very warm till after 2. Then cloudy & close. Very sultry evening.	Moon 1 1/2 Dr.	
42.061		35.74655		Mean Temp 58° 75. Rain cal. up 0.72		

822.5 = 1/2 degree above Average.

September 1877.

Sept.	Baro. meter	Wind.	Thermom. Min. 9 Max.	Weather &c.	Notes.	Rain 0.72
Sat. 15.	29.90	S ₂ SW ₂ W ₄ NW ₂	59 66 66	Sultry and some rain early. Warm & partly bright from 9 till near 11 then squally & cooler with showers till noon. Became bright from 2 p.m.		12 03
Su. 16.	-32	NW ₂ NW ₂ NW ₁	47 58 61	Clear & cooler morn'g, continued bright with light clouds, and a cool wind. Evening in part cloudy, but a fine night.		
M. 17.	-34	NW ₂ N ₃ NNE ₂	48 1/2 56 59	Cloudy, with rain at 7, finer & some sun, after 8. but mostly cloudy, and very cool. Again showery after 4 p.m. Finer night.	□ 4 0	02 03
Tu. 18.	-41	N ₁ NNE ₁ N ₂ 8 1	50 55 59	Heavy showers early A.M. Finer after 6, and cleared with sun at times, but very cool. Little wet in the course of the night.		19
W. 19.	-20	NW ₂ NW ₁ SW ₁ W ₁	51 1/2 55 58 1/2	Cloudy more or less, and very gloomy P.M., followed by rain at 4, and a wet evening, but fine after 8 p.m.		14
Th. 20.	29.92	NW ₂ NW ₁ NW ₂	49 54 55	Cloudy with little sun, and light showers at intervals, very gloomy, and cold for the season. Finer and clearer in the night.		02
Fr. 21.	-83	NW ₂ NW ₃ N ₂	41 51 56	Clouds and sun, with a cold breeze, and some flying showers at intervals. Very unsettled & cool for September.		05
42.208		34.64145		Mean Temp 54° 32. Rain cal. over 1.32		

760.5 = 4° below Average.

September 1877.

Sept.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather &c.	Notes.	Rain 1.32
Sat 22.	29.95 30.03	NW ₂ NW ₂ NW ₂	39½ 52 55	Partly clear & cold morn. continued bright with clouds, rocky & stormy in appearance. Even- cloudy, and thick.	Full moon 3.35 pm.	
Su. 23.	29.94 30.03	NW ₂ NW ₂ N ₁	45 53 56	Little shower early, AM. then partially bright but many clouds, and sprinklings of rain. Fine night.		.03
Mo. 24.	-06 -21	N ₁ N ₂ NW ₁	42 50 54	Clouds and sun, with short flying showers at times. Cold for the season. Evening and night fine and clear.		.04
Tu. 25.	-25 -27	WNW ₁ W ₁ W ₁ SW ₀	37 50 55	Bright morn'g & cold early, more hazy after 9, but again bright afterwards more cloudy, and the evening and night foggy.		
We. 26.	-31 -42	SE ₀ Var. E½ SE½	44½ 51 57	Close, calm, and foggy morning. Some fog till noon, but the afternoon bright, with a few elec- tric clouds. Fog in the night.		
Th. 27.	-44 -49	Var. NE½ NE½	37½ 51 59	Fog early & till after 8 am, then bright and cheering, chiefly calm, and clear sunset. Fog came on in the night.		
Fr. 28.	-42 -41	NE ₀ E ₀ E ₀	38 55 58	Fog till 7, afterwards bright, with some clouds till noon, then cloudy, and a close night.		
423.23		2833 394		Mean Temp 48.39! Rain can't up - 1.39		

677.5 = 10° below Average.

September 1877.

Sept.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather &c.	Notes.	Rain 1.39
Sat. 29.	30.37 -33	E ₀ E ₁ SE ₂ E ₀	48 56 62½	Close morn'g, calm, and lightly cloudy. Bright & warm from 9 am, with a gentle breeze. Some clouds in the evening, but clearer after 8 pm.		
Su. 30.	-32 -30	E½ E ₁ E ₀	47 55 58	Close, cloudy, & nearly calm moon last br. morn'g. Tranquil & pleasant. 6.20 AM. day, grey clouds & little sun. brighter after 3 pm. Clear, and calm evening, & night.		
121.32		951205		Mean Temp 2 days 53.87 Rain 1.39		

Barometer

Highest on the 27th - 30.49

Lowest on 21st - 29.83

Range = 0.66

Mean of Month 30.14

No Gales all the month,
but equally from N near the
Equinox.

Prevailing winds NW
SW, and East.

Thermometer

Highest on the 14th - 70°

Lowest on 25th am - 37°

Range = 33°

Mean daily range 14° 15'

Mean of month 53.80!

Nearly 6° below Average, the
lowest on my own records!

Fine days 18 in number.

Depth of rain 1.39 Inch

This was a remarkably cool and cloudy month, beyond
any September on my own records, but the total
rainfall was not great, although we had many
light showers in the first three weeks.
Some cold mornings near the close of the month,
more like the beginning of some November.

October 1877.

October	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather &c.	Notes	Rain.
M. 1.	30.27 -25	Var. $\frac{1}{2}$ N 1. N 1.	43 56 57	Clear, dewy morning, and bright till near 11, afterwards very cloudy, thick and dark evening, and foggy night.		
Tu. 2.	-20 -13	NW 0. NW 1. W 0.	40 $\frac{1}{2}$ 49 54	Great fog till near 9 am, then very bright and pleasant all the day, more hazy after 4 pm, but a fine night with fog.		
W. 3.	-12 -13	E 0. ESE 1. ESE 1.	38 52 59	Fog till 7, then chiefly bright, and pleasant. Some electric clouds in the afternoon, but very fine evening & night.		
Th. 4.	-22 -35	NE 1. E 1. E $\frac{1}{2}$.	41 50 57	Cloudy till 10 am, then mostly bright, but some clouds, and very little wind. Evening in part clear. Fog in the night.		
Fr. 5.	-47 -61	E 0. E 2. E 1.	36 $\frac{1}{2}$ 54 60	Fog till after 7, then became bright, and much warmer, with light clouds, and fresh breeze. Clear evening and night.		
Sat. 6.	-72 -70	E $\frac{1}{2}$ NE 1. E 0.	38 55 60	Very bright all the day, new moon, gentle wind, and a few light clouds. Very calm and pleasant afternoon & evening. Hazy from 4 pm.		
Su. 7.	-59 -37	Var. 0. SW $\frac{1}{2}$. SW 2. 3-4	36 49 53	Foggy till near 10 AM, then a blue electric haze all the rest of the day. Wind rose in the evening and blew all night.		
42.513		27.3403		Mean Temp 48.28. Rain cat up } none		
676				more than 3 $\frac{1}{2}$ below Average.		

October 1877.

October	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather &c.	Notes	Rain. none yet.
M. 8.	30.21 -25	NW 5. NW 6. NW 3.	48 $\frac{1}{2}$ 52 52	Clouds & sun, with boisterous wind, some rain-drops at times, but chiefly fine. Less wind after 4 pm. Evening in part clear.		
Tu. 9.	-32 -35	NE 2. NE 1. N 1.	43 49 53	Clouds and sun, little showers at times in the morning, but finer afternoon. Evening and night cloudy.	03	
W. 10.	-25 -05	SW 1. SW 2. SW 2.	41 47 52 $\frac{1}{2}$	Foggy, and thick morning. and a thick and gloomy day, & cold for a SW wind. Cloudy evening and breezy night.		
Th. 11.	29.93 -98	WNW 3. W 4. W 2. & 1.	46 $\frac{1}{2}$ 50 54	Rain from 3 to 5 AM. Clear after 7, and a bright drying day, with light clouds. Hazy evening but fine, & breezy night.	24	
Fr. 12.	-94 30.07	W 3. W 3.5 W 1.	44 49 52	Clear, bright with flying clouds, & brisk wind. till noon afterwards more clouds, evening hazy, and much calmer. Close & warmer night.		
Sat. 13.	29.87 30.01	SW 3. SW 3. SW 2.	44 57 62 $\frac{1}{2}$	Warm breeze, & little rain early AM. Mild & pleasant day, with clouds and sun. Close evening, and night, less wind.	08	
Su. 14.	29.90 -83	SW 2. SSW 2. S 4.	52 59 66	Very warm & bright morning, with a soft breeze. 3.42 am. hot at 11 & 12, more wind PM, but bright & warm. Windy night, & moon bright.		
42.096		31.9392		Mean Temp 50.78. Rain cat over } 0.35		
711				1 $\frac{1}{4}$ below Average.		

October 1877.

October	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather &c.	Notes.	Rain. 0.35
M. 15.	29.68 30.00	SW 6. SW 5. WSW 3. & 2	55 57 58	Heavy gale early AM, and flying clouds, bright afternoon, and wind abated. Little flying shower at a distance at 4 pm.	(Gale SW 1 to 5 am.)	
Tu. 16.	-04 -32	WSW 4. W 3. W 2.	43 1/2 48 51	Chiefly cloudy, with but little sun, and a brisk wind. Cloudy and thick all day, and very cool. Even bright moonlight.		
W. 17.	-34 -42	W 3. NW 3. NW 2. & 1.	35 45 49	Very bleak morning, & partial hoar frost under the fences, bright forenoon, & cloudy afternoon. Clearer evening, and the wind all gone.		
Th. 18.	-37 -37	NW 0. NW 2. NW 0.	2 1/2 39 48	Sharp hoar frost in the morning. Bright day, and but little wind. Very bright moonlight evening & keen frost, but a change in the night.		
Fr. 19.	-30 -31	SW 1. SW 1. W 2. & 1.	32 47 53 1/2	Hazy & less cold, thick air, but much milder. Some sun in the afternoon, but much cloud. Rather foggy & thick evening.		
Sat. 20.	-21 -20	SW 1. W 1. W 1. & 0.	45 52 60	Hazy and close morning. Bright afternoon, very warm, and pleasant. Clear moonlight evening. But a cloudy night.		
Su. 21.	-09 29.95	S 2. SSW 2. S 2.3 S 3.	45 1/2 52 55	Close and cloudy morning. the same all day, with a soft breeze, & threatening rain. And about 9 pm slight rain fell.		02
422.60		28353745		Mean Temp 47°. Rain cal. up 0.37 658 = 5° below Average.		

October 1877.

October	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather &c.	Notes.	Rain. 0.37
M. 22.	29.88 -81	S 1. SSW 2. SSW 2. S 3.	50 56 61 1/2	Bright, warm, and balmy morning, some light clouds in the forenoon, but chiefly bright. and warm till 2 pm, after wards cloudy & more wind. Rain in the evening a short shower.	Full moon 7.31 am.	11
Tu. 23.	-84 -50	SE 1. S 3. SSW 2. SW 4.	43 51 56	Great fog from 7 till 9 am, then cloudy, & rain at times, very hard at 1 pm. - Finer & clearer after 3, evening rather blustering. Fine night.		31
W. 24.	-61 -70	SW 2. WSW 3. W 3. 2 & 1.	40 45 51	Bright morning, and continued all day bright, with a few light clouds. Evening in part clear, and less wind. Hazy and rain in the night.		
Th. 25.	-52 -47	SW 1. S 1. S 1.	45 52 53 1/2	Rainy at times early in the morning. close and warm air. cloudy day, light rain at intervals. Fine night, but mostly overcast.		17 11
Fr. 26.	-78 30.07 30.00	W. 0. W. 0. W 1/2. & 0.	45 49 53	Fog all the morning, sun & fog by turns in the forenoon, but a bright afternoon, and scarcely any wind. Clear golden sunset, and a fine night.		
Sat. 27.	29.92	SW 2. S 3. S 2.	43 51 56	Clouds and sun, brisk wind, and warmer atmosphere. Slight rain at 4 pm, but the evening and night fine, and clearer.		02
Su. 28.	30.11 -22	SW 2. W 3. WNW 2. W 1.	43 1/2 50 56	Bright and mild morning. and the whole day, very fine bright, and pleasant. Some hazy lines of cloud from sunset.		
417.43		3095387		Mean Temp 49°.75. Rain cal. over 1.09 696.5 = 2 1/4° below Average.		

October 1877.

October	Barometer	Wind	Thermom. Min. 9 AM	Max. 5 PM	Weather &c.	Notes	Rain 1.09
M. 29	30.04	SSE ₃	42	52	Red East, cloudy, but moon last 2 nd warm. Some rain after 2. 21 pm.		43
	29.68	SSE ₅ S _{6.4} S _{3.1}		58	8, wind boisterous, and became strong with frequent rain, but less wind after 3 pm. Fine night.		
Tu. 30	-90	SW ₀	46	52	Mild, bright & calm morning, & pleasant sunny forenoon. Some clouds & haze P.M., but partly bright.		
	-72	SW ₂ S _{3.4}		59	Evening lowering and very cloudy night.		
W. 31	30.08	SW ₇ WSW ₄ W ₄ 3.2.	47	51	Severe gale till 2 AM. Heavy gale. Very bright morning, and near the same all day. Less wind after 2 pm. Some plane clouds in the evening.		
	-27			55			
	179.69		1355	172	(Mean Temp 3 days 51.16) Total rain 1.52		

Barometer
Highest on the 6th — 30.72
Lowest on the 25th — 29.47
The extreme Range 1.25
Mean of the Month 30.09
Gales on 4 days.

Thermometer
Highest on the 14th — 66°
Lowest on the 18th AM — 27.5
Extreme Range 38.5
Mean daily range — 13.15
Mean of the month 49.16
Nearly 3° below Average.

Prevailing winds the SW and west, and near the South, but much divided in general all the month.

Fine days 23 in number.
Rain fall 1.52 In.

This was a dry month till the 22nd, afterwards gentle rains, but a cool time the greater part of the month, and but few of the warm and pleasant days which usually occur in October. The fall of the foliage began early, and continued rapidly in the 4th week, so that by the 31st most of the trees were nearly stripped of their leaves.

November 1877.

November	Barometer	Wind	Thermom. Min. 8 AM	Max. 5 PM	Weather &c.	Notes.	Rain
Th. 1.	30.37	W ₃	44	47	Clear breezy morning, yet mild, and continued very bright till after 1 pm, some clouds afterwards. Calm night and partly clear.		
	-46	W ₂ W ₁		55			
Fr. 2.	-32	S ₂	39	45	Calm morning, mild, and slightly foggy till 11 am, afterwards grey clouds & sun, mild and fine.		
	-11	S ₁₋₂ S ₂		53	Little rain at midnight.		
Sat. 3.	-02	W ₂	43	45	Shower before 1 AM. Very bright & mild morning, and the whole day bright and drying. Evening chiefly clear, and a very fine night.		03
	-20	W ₂ WNW ₁ S ₀		52			
Su. 4.	-09	Var ₀	33	36	Clear till near 8 am, & little frost. Then hazy till 10, afterwards again bright, but after 1 pm, clouds & breezy, and the evening overcast.	8 h 8	
	29.84	S ₁ S ₂ S ₃		52			
M. 5.	-81	SW ₂	45	48	Slight rain early AM. new moon. Bright from sunrise all day, & also warm, with a few light clouds, but some electric cumuli at 3 pm.	8.48 AM.	02
	-92	SW ₂ SW ₁		56			
Tu. 6.	-82	SW ₃	47	52	Close and rainy early in the morning. Cloudy and very warm day, with rain at times, and the night similar.	(lightning in the evening at a distance.)	20
	-77	SW ₂		57 1/2			
W. 7.	-75	S ₃	55	56	Showery morning & very close and warm. Hard rain about noon. Fine & clearer after 2 pm. calm, and a red sky at 8 o'clk.		11
	-81	SW ₁ SW ₀		57			27
	420.29		306383		Mean Temp 49.21 Rain card. over } 0.63		
			689		= 7° above Average.		

November 1877.

Nov.	Baro. meters	Wind.	Thermom. Min. 8. Max.	Weather, &c.	Notes.	Rain. 0.63
Th. 8.	29.90 -97	W ₀ . SW _{1.2} . SW ₀ .	45 46 54	Some fog till after 7, then bright and lovely sun-shine all the day. Some fog in the evening, but cloudy at night.		
Fr. 9.	-82 -67	S ₃ . S ₄ . S ₄ .	45 51 55	Mild, cloudy, & squally, with light rain at intervals. Very close and blustering evening, and some rain during night.	14 11	
Sat. 10.	-57 -52	S ₂ . S ₄ . SSW ₃ .	46 47 55½	Bright morning, till after 11, then at times cloudy, and more wind, with some rain-drops, or trifling showers in the pm. (Thunder in South at 1 pm.)	03	
Su. 11.	-57 -04	SSW ₃ . S ₆ . S ₇ . SSW ₈ .	44 46 53	Clouds, and sun, with a squally wind. More overcast and strong gales in the afternoon. (very stormy.) and till after midnight with some rain.	12	
Mon. 12.	28.98 29.27	SSW ₂ . SSW ₁ . S ₄ .	42 43 50	The gale suddenly abated at 2 am, and some heavy rain at 5 & 6 am. then a bright day, but the evening showery.	33 10	
Tu. 13.	-42 -76	S ₁ . SW ₁ . SW ₁ . W ₀ .	40 45 51	Clouds and sun, fine morning, and a bright and calm day. Evening, clear and cold. Frost night.		
W. 14.	30.11 -28	W ₀ . W ₁ . WSW ₁ . S ₀ .	33 35 49½	Clear and hoar-frost all m. Very bright day throughout, and chiefly calm. Hazy after sunset, and during night.		
414.78		29.5368		Mean Temp 47° 35' Rain 1.46 663 = 5¼ above Average.		

November 1877.

Nov.	Baro. meters	Wind.	Thermom. Min. 8. Max.	Weather, &c.	Notes.	Rain. 1.46
Th. 15.	30.34 -37	S ₃ . S ₁ . SSW ₂ .	39½ 49 55	Mild & little rain early AM. Close overcast day, but fine & nearly calm. The evening thick & little more wind. Very close all the night.	09	
Fr. 16.	-25 -42	SSW ₂ . SW ₂ . W ₃ .	51 56½ 58	Very close & warm, with clouds & fresh breeze. Clearer at noon, & cooler, and very bright afternoon, and clear moonlight, evening.		
Sat. 17.	-48 -38	SE ₀ . S _½ . SW _½ .	33½ 37 46	Little hoar-frost, calm morning, and a very fine, & calm day, and partially bright with light, mottled & ribbed clouds. Clear frosty evening. } foggy night.		
Su. 18.	-20 -12	SSW ₁ . SW ₁ . SW _½ . & 2.	32½ 40 47½	Foggy & frosty morning, partially bright most of the day, but again foggy after 2 pm. Cloudy evening, & more wind.		
Mon. 19.	-07 29.73	SW ₀ . S ₃ . S ₃ . W ₂ .	32 34 47½	Hoar-frost & some fog in the morning, bright till noon, afterwards overcast, and some rain in the evening, but fine after 9 pm.	19	
Tu. 20.	-64 -73	W ₂ . NW ₄ . NW ₄ .	34 34 43	Bright morning, but some Full moon clouds after 9 am. and a stormy and rainy afternoon, with a blustering wind. Finer and clearer after 3 pm. Evening bright moonlight.	10	
W. 21.	-87 -60	W ₁ . SW ₂ . S ₃ . SSW ₂ .	34½ 37 53½	Fine sunny morning, but after 10 am became thicker and cloudy. Overcast & rain after 2 pm, and a rainy evening & night.	27	
421.20		24.73505		Mean Temp 42° 64' Rain 2.11 597.5 = Rather above Average.		

November 1877.

November	Baro- meter	Wind.	Thermom. Min. 8 Max.	Weather, &c.	Notes.	Rain. 2-11
Th. 22.	29.36	SW 2.	42		Drifting shower at 2 AM. Bright morn'g, and part of the day, but drifting showers again in the afternoon. Severe gales all the night. (Heavy gale all night.)	.05
		W 3.4	47			
	-28	W 4.				.70
		6.7.	51			
Fr. 23.	-49	W 7.	42		Severe gales & flying showers early AM, and blowing (Heavy gale, hard all day, but bright wind slowly abated from 3 pm. Fine & frosty night.	.04
		WNW 6.	45			
	-76	WNW 5.	47			
		4.3.2.				
Sat. 24.	-69	W 1.	29		Hazy morn'g, & frost, overcast, dark & calm till even'g, then the wind rose fast, with some rain till af- ter 10 pm, and variable winds.	.20
		Var. 0.	31			
	-34	SE 4.				
		N 3.	42½			
Sun. 25.	-72	N 2.	37½		Bright all day, but a buck and black air, and a drying atmosphere. More clouded after sun- set, but fine all night.	
		NW 3.	40			
	-95	NW 1.	43			
		—				
Mon. 26.	30.02	SW 1.	32		Heavy frost, & hazy morn'g, more hazy and thick in the forenoon, bright about noon, but clouded after 2 pm. and a blustering wind till midnight.	
		SW 1.	35			
	29.84	SSE 2.	44			
		S 4.				
Tu. 27.	-47	SW 2.	40		Some rain early, mild moon last Dr. & cloudy morn'g. Clearer 10.5 pm. after 10; mild, with clouds and sun. Pleasant afternoon. but a very wet evening very heavy rain till 10 pm.	.21
		SW 1.	46			
	-28	SW 1.	50½			.77
W. 28.	-40	SW 1.	35		Bright with light clouds (valleys after the great rain of last even'g. Very bright day, & cool breeze. Even'g partial- ly hazy, but fine & calm.	
		SW 2.	37			
	-42	SW 1.	44			
	41.602		2575322		Mean Temperature 41.39. Rain Card up 3.48	
			579.5		Slightly below the Average.	

November 1877.

November	Baro- meter	Wind.	Thermom. Min. 8 Max.	Weather, &c.	Notes.	Rain. 3-48
Th. 29.	29.10	SSE 5.	36		Blowing hard & cloudy morn'g, stormy rain, & hail till after 11 am. fine afternoon & partly bright. Even'g chiefly clear & nearly calm.	.26
		S 5.	46			
	-03	SW 3.	47			
		2.-1.				
Fr. 30.	-20	S 4.	35		Blustering and rain at times early in the morn'g. fine & clear after 9 am. but soon again cloudy, & rainy. Unsettled sky.	.08
		SW 2.	41			
	-23	SW 3.	45			.70
	116.56		71 92		Mean 2 days 40.75. Rain 3.92	

Barometer

Highest on the 17th 30.48

Lowest on the 12th 28.98

Range - 1.50

Mean of Month 29.81.

Gales on 4 Days.

Prevailing currents the
SW, and South.

Thermometer

Highest on the 16th 58°

Lowest on the 24th 29°

Range = 29°

Mean daily range = 10.96.

Mean of month 44.86.

Nearly 3° above the Average.

Fine days 12 in number.
Rainfall 3.92 Inches.

This was a very mild month, especially the first 3 weeks, and with some very bright and pleasant intervals. Severe gales at times and considerable rain intervened, and the greatest in the last week. But there was very little frost all the month, and scarcely any wintery weather of any kind. Much thunder on the 6th, 10th, and 22nd in many places!

December 1877.

Dec.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Weather &c.	Notes.	Rain.
Sat. 1.	29.35	S 2. SW 0. Var 0. E 1/2.	35 42 44 1/2	Overcast & rain at times till 3 pm, afterwards fine and partly clear, with scarcely any wind, very rainy during the night.		.07 .70
Su. 2.	30.00	NE 1. NE 2. NE 2.	39 43 47 1/2	Rain very early AM, bright from sunrise till 12, afterwards cloudy, more or less, and the evening hazy & thick but fine.		.18
M. 3.	-23	NE 2. NE 2. N 1.	40 45 47 1/2	Overcast & dripping new moon morn'g, gloomy and damp all day, but mild for a North wind. The night the same.		.03
Tu. 4.	-09	N 0. NW 1/2. NW 1. S 0.	42 44 46	Close & cloudy morn'g. fog & light rain after 9 am. at times, and a damp and gloomy afternoon and foggy evening.		.02
W. 5.	-05	W 0. NW 1/2. NW 0.	41 42 44	Overcast, calm, & foggy morn'g, and continued very gloomy & thick all the day, and some rain at night.		.07
Th. 6.	29.70	SSE 4. SSE 5. S 2.1. SW 3.	39 43 50	Overcast, blustering, & rainy at times, very dark, & lowering sky. Less wind in the evening, but more in the night.	□ 1/2 0	.18
Fr. 7.	-92 30.01	SW 2. SW 1. SW 2.	38 41 45	Clear, bright morn'g till 11, afterwards cloudy and hazy, with very little wind. Even'g foggy and thick till 7, then clearer.		
419.04			274.3245	Mean Temp 42° 7/10. Rain cut up		0.65
		598.5		= 3 3/4° above Average.		

December 1877.

Dec.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Weather &c.	Notes.	Rain. 0.65
Sat 8.	30.11	W 2. W 2. Var 1. SE 1.	33 36 44	Clear, & frosty morn'g, and continued very bright most of the day, with light lines of cloud. Hazy night, & wind veered.		
Su. 9.	-30	S 1. S 1. S 1.	36 41 46 1/2	Hazy & thick morn'g, and cloudy till after 2 pm: then clearer, and bright till sunset. Evening thick & foggy.		
M. 10.	-08	S 0. SE 1/2. SE 1/2.	34 37 41	Hazy & calm, with grey clouds. Nearly the same all the day, and a raw and cold air. Clearer from sunset all evening.		
Tu. 11.	-11	E 0. Var 1. SE 1. S 2.	29 34 39	Frost early AM, fog & haze after 6, but from 10 am. very bright till 1 pm, then again foggy, and the evening the same.		
W. 12.	29.82	S 3. SW 4. SW 5. W 2.	34 47 49	Mild breezy & rainy moon 1 st Dr. from 4 AM, till 7 am. then finer, and partly bright, with boisterous wind, but became gentler after 3, & clear evening.	9.34 pm.	.09
Th. 13.	-90	W 3. W 2. W 2.	33 1/2 38 41	Hard rain at 5 & 6 am, fine and bright after 9 & a cold air. Again hazy in the afternoon, but a clear frosty evening, and night.		.26
Fr. 14.	30.15	W 1. W 2. WNW 2. S 1.	32 35 40	Clear, slight frost early AM. Very bright and clear day, with a keen air. Clear, and frosty evening.		
421.50			231.5300.5	Mean Temp 38°. Rain cut over		1.00
		532		= 1 degree below Average.		

December 1877.

Dec.	Baro. meter	Wind.	Thermom. Min. 8 Max.	Weather, &c.	Notes.	Rain. 1'00
Sat. 15.	30.52 -47	SW ₁ SW ₁ SW ₃	30 34 39		Frost early, hazy & calm & 24 day, with bars of cloud diverging from S, across the zenith. Evening foggy, and more wind.	
Su. 16.	-31 -22	WSW ₃ W ₅ W ₆ WNW ₄	36½ 44 48		Cloudy and rain at times, milder & perfect change. Boisterous wind during the day, & intervals of calm. Fine night, less wind.	13
M. 17.	-40 -34	W ₁ W ₂ WSW ₂ S-S	44 46 46½		Mild, and cloudy more or less, but very fine, and but little wind, but more after 7 pm & slight rain.	
Tu. 18.	-50 -53	NW ₂ NW ₁ NW ₀	35 37 44		Clear & bleak morning, continued bright all the day, and very tranquil. Evening chiefly clear, & nearly calm.	
W. 19.	-60 -65	W ₀ NW½ NW ₀	28 30 36½		Frost and fog, very foggy till 2 pm. Then at times clears, but again more foggy & partly cloudy in the evening.	
Th. 20.	-70 -68	SW ₀ Var. 0. SW ₀	33 35 40½		Calm, and foggy morning and nearly the same all the day, dark and thick air, but calm, and very fine night. Full moon 11.51 am.	
Fr. 21.	-62 -52	SE ₀ S ₀ SSE ₁	36½ 39 42		Hazy and thick morning, and a dark, and foggy day, and calm as before. Overcast and damp evening and night.	
427.06 243 2965 (Mean Temp 38° 53) Rain 1'13						

Barom. the highest weekly mean on record!

539.5 = ½° below Average.

December 1877.

Dec.	Baro. meter	Wind.	Thermometer Min. 8 Max.	Weather, &c.	Notes.	Rain 1'13
Sat. 22.	30.36 -12	S ₃ S ₃ SSW ₃	40 43 49		Cloudy and damp, nearly all the day alike. More wind, and threatening rain in the evening, and a change of wind during the night.	
Su. 23.	-01 -22	W ₅ W ₃ NW ₃ S 2.	38 40 42		Drifting shower of hail & rain at 5 am. Fine and bright from sunrise all the day, and bleak air. Some clouds after 3 set. & during evening. Night clearer.	04
M. 24.	29.90 -65	SW ₄ W ₇ WNW ₆ NW ₅	34 40 44		Blustering and cloudy morning, storms of wind rain, and sleet after 1 pm. Fine from 3 pm, and in part clear, but windy. (Gale P.M.)	12
Tu. 25.	-82 -70	NW ₂ W ₁ SW½ SE½	28 30 35		Clear & keen frost AM. but cloudy from 9 am. and a little snow pm. Overcast evening, little sleet but the night fine & frosty. (Little snow P.M.)	0
W. 26.	-45 -38	SW ₁ W ₄ W ₃ 4. & 3.	27 31 36½		Frost with haze AM; cloudy with snow at times in the forenoon. Blowing after noon, partly bright, but some snow. Fine and windy night. (Snow at times)	0
Th. 27.	-62 -71	W ₃ W ₄ W ₅ 4. 31	30 34 36		Clouds and sun, keen wind, but less frost. Very cold & blustering day the evening, and night nearly the same. moon last 6.20 am.	
Fr. 28.	30.82 -05	W ₂ W ₁ S ₁ SE½	29½ 33 36½		Cloudy, and dry frost little sun at times, but overcast P.M., and the wind all gone; the evening similar. Snow at 8 pm. Snow evening.	
418.01 2263 279 (Mean Temp 36° 1) Rain 1'29						

505° 5 = Nearly 3° below Average.

December 1877.

Dec.	Baro- meter	Wind.	Thermometer Min. 8. Max.	Weather, &c.	Notes	Rain 1.29.
Sat. 29	29.72	S 2. SSW 3. SW 2.	32 1/2 42 51	Much rain all the morn'g. early & till after 8 am, then fine & very mild, with sun at times. Even'g, and night partly clear.		47
Su. 30.	85	SW 1. SW 2. SW 3. S 4.	40 1/2 44 50	Clouds & little sun, mild morn'g. The day cloudy and mild, and at times rather foggy. Even'g blue- tering from south.		
M. 31.	90	SW 6. W 7. NW 4. 3, 8, 2.	37 1/2 39 43	Heavy storms of rain & wind (valleys early A.M. Very bright with a bleak wind through the day, which abated in the evening.		37
	30.29					
	179.23		1105 144	Mean Temp 3 days 42° 41'		Rain 2.13

Barometer

Highest on the 20th - 30.70.
Lowest on the 1st - 29.35.
Range = 1.35
Mean of month 30.07

Gales on 4 days.

Prevailing winds the West,
and S.W. -

This was a seasonable month, fine and dry in
the middle, and wet in the former part, and at the
close. - Very little frost or snow all the month,
but a good medium temperature for the season,
just about the Average. -

Thermometer

Highest on the 29th - 51° -
Lowest on 26th - 27° -
Range = 24° -
Mean daily range = 8° 35'
Mean of month = 39° 19'.

Very slightly above Averages.

Fine days 17 in number,
Rainfall 2.13 Inches.

Summary of the Year 1877.

The lowest Barometer occurred January 1st, when
it was 28.92, and the next on November 12th - 28.98.
And the highest Barometer was on October 6th -
30.72! and the next on December 20th - 30.70! -

The greatest cold was on February 28th Thermo-
meter 22 1/2° - And the hottest day was the
31st of July, when the Thermometer was 84°; but
often in June from 79° to 81° - Yet to be concise as follows,
Coldest Day, February 28th, Thermometer 22 1/2°;
Hottest Day, July 31st, Thermometer 84°.

The number of fine days - exactly 200.
And the Total Rainfall 28.67 Inches. -

There was no real winter of any continuance
during this year, whether in the beginning or the
close of it; nor was there but very little hot wea-
ther, except in June which was very hot and
dry, and in July and August we had a few short
periods of heat. The end of July having been the
greatest. But it was on the whole a year of
anomalies, and long to be remembered in conse-
quence of its remarkable character almost
throughout. The Spring months were cold and
ungenial, and then all at once on the 3rd of June
hot weather set in and went on to the 29th.
Many severe Thunder-storms prevailed in July,
and August; then followed a cold gloomy Septem-
ber. The rest of the Autumn a medium tempera-
ture, but much wet in November. The close of
the year variable, but very little frost, much less
of snow. - Orlando Whistlercraft, Dec 31. 1877.

Monthly Results for 1877.

1877.	Winds.								Averages.			Rain	Thermom.			
Months	E	W	N	S	NE	SE	NW	SW	Gales	Time days	Mean Barom	Mean Therm	Mean daily range	Inches	Min	Max
Jan ^r .	2	5½	0	8	1½	3	1½	9½	7	12	29.90	41.80	9.25	2.67	28°	55°
Feb ^r .	0	8	1	1	1	0	5	12	5	11	29.95	42.65	9.32	2.46	22½	53
March.	0	7	1	3	4	4	5	7	3	16	29.82	40.46	12.64	2.42	24	55
April.	3	3½	1	4	8	6	2	2½	3	18	29.87	46.09	13.18	1.87	32	64
May.	2	1	1	0	8	6	3	10	2	19	29.97	50.17	17.54	1.64	25½	68
June.	6	6	0	4	2	3	0	10	1	23	30.13	62.23	20.00	1.00	44	81
July.	2	13	0	3	0	2	0	11	0	17	30.02	62.12	16.56	3.85	45	84
August.	1	7	0	2	1	4	3	13	2	14	29.98	62.88	14.54	3.80	43½	78
Sept ^r .	7	3	3	0	2	2	7	6	0	18	30.14	53.80	14.15	1.39	37	70
Oct ^r .	3	6	1	5	1	2	4	9	4	23	30.09	49.16	13.15	1.52	27½	66
Nov ^r .	0	4	1	10	0	0	3	12	4	12	29.81	44.86	10.96	3.92	29	58
Dec ^r .	0	10	0	4	2	2½	5½	7	4	17	30.07	39.19	8.35	2.13	27	51
1877.	26	74	9	44	30½	34½	39	109	35	200	29.97	49.61	13.30	28.67	22½	84

January 1878.

Jan.	Barom.	Wind.	Thermom.	Weather, &c.	Notes.	Rain.
	Barom.	Wind.	Min. 8 am	Max.		
Tu. 1.	30.34	W ₁ W ₀ S ₁	31 34 41		Little hoar frost, bright morning and till noon, afterwards hoazy and cloudy, and the evening very foggy and mild.	
W. 2.	-35	SW ₁ W ₁ NW ₂ W _½	38 44 47		Thick, and little rain early in the morning. Very cloudy and a little fog in the forenoon. Bright after 2 pm, but soon again foggy and thick.	.02
Th. 3.	-37	SW ₁ S ₂ S ₂₋₃	32 43 47		Very thick fog till after noon, then sun at times, but much cloud in mixed forms. More wind in the evening.	
Fr. 4.	-05	S ₂ S ₁ S ₁	43 45 45		Close with light rain in the morning, and more after 9 am. Very cloudy pm, and a raw and damp air.	.25
Sat. 5.	-22	SE ₁ SE ₂ S ₁	40 42 44		Very foggy morning, and some rain at intervals. Very damp, & gloomy day. Rain again at night in gentle falls.	.11
Su. 6.	-05	SW ₃ SW ₃ W ₂	42 45 47		Little wet early AM, mild and cloudy day, but not so mild after 1 pm. Less cloudy in the evening & night.	.03
M. 7.	-70	SW ₂ SW ₃ S ₂	36 38 42		Morning in part clear and then very bright & white, afterwards clouds and sun. Overcast from 3 to 6 pm. Clearer afterwards.	
	42.186		262	313	Mean Temp 41°.07.	Rain cald over .041
			575		= 5½° above Average.	

STAINES'S POCKET BOOK ALMANACK FOR 1878.

1878	SUN.	Mon.	Tues.	Wed.	Thur.	Fri.	Sat.	1878	SUN.	Mon.	Tues.	Wed.	Thur.	Fri.	Sat.
Jan.	1	2	3	4	5	6	7	July	1	2	3	4	5	6	7
Feb.	8	9	10	11	12	13	14	Aug.	8	9	10	11	12	13	14
Mar.	15	16	17	18	19	20	21	Sept.	15	16	17	18	19	20	21
Apr.	22	23	24	25	26	27	28	Oct.	22	23	24	25	26	27	28
May.	29	30	31					Nov.	29	30	31				
June.								Dec.							

OLIVER STAINES, PRINTER & STATIONER,
34, Butter Market, IPSWICH.

Corrected mean
monthly Temp.

Jan. — 37.5.
Feb. — 39.
March — 42.
April — 48.5.
May — 54.5.
June — 60.9.
July — 63.75.
Aug. — 63.5.
Sept. — 59.
Oct. — 52.
Nov. — 43.
Dec. — 39.

The above is the
Average of last
38 years.

Observe on the last corner of this page, the monthly mean temperatures resulting from the dates of the last 38 years, and which show some increase of heat over previous years, especially in Jan., April and all summer months with September also.

January 1878.

Jan's	Baro. meter	Wind	Thermom. Min 8 Max	Weather &c.	Notes	Rain.
Tu. 8.	29.82	NW ₂ . N ₂ . N ₁ . S ₂ .	34 36 41	Showers of rain and frost early AM. Unset- tled sky in the day and colder atmosphere. The night chiefly fine and partly clear.		0.41
W. 9.	30.18	N ₁ . N ₁ . N ₀ . NW ₂ .	32 33 37 1/2	Showers of snow early AM; the day chiefly very fine, and very bright in the after- noon. Even'g & night cloudy & unsettled.	(Snow early AM.)	
Th. 10.	-23	NW ₃ . NW ₂ . Var ₁ .	32 36 40	Sleety showers in the morn'g; unsettled sky all day, with clouds and sun. Even'g chiefly clear, and keen frost.	8 8 0	02
Fr. 11.	-63	NE ₀ . NW ₀ . W ₂ . S ₁ .	25 1/2 25 1/2 35	Clear and hard frost, moon 1 st Dr very bright and calm. day, and keen air. - More clouded after 7 pm. and much less frost all night.	6. 47 pm.	
Sat. 12.	-64	W ₁ . WSW ₂ . W ₁ . W ₁ .	28 1/2 34 37	Cloudy, & less frost, very raw, and gloomy day, with little wind. The evening also over- cast and thick.		
Su. 13.	-55	SW ₃ . SW ₃ . SW ₃ . 4.	33 1/2 38 46	Cloudy and breezy mor- ning. Little rain after 9 then fine with clouds and some sun. Red sky at sunset, and a cloudy evening. Windy night.	8 8 4	
M. 14.	-37	SW ₄ . SW ₄ . WSW ₃ .	42 45 51	Mild, blustering & rainy morn'g, and windy all the day, much cloud, little sun, & slight rain at times.		75

42.519

2275 2875

Mean Temp 36.78. Rain
cal'd up 0.70

515

= 1 1/4° above Average.

January 1878.

Jan's	Baro. meter	Wind	Thermom. Min 8 Max	Weather &c.	Notes	Rain
Tu. 15.	30.27	WSW ₃ . WSW ₃ . W ₃ . 5. 6.	47 48 52	Very mild morn'g, and chiefly cloudy, more over- cast in the afternoon, and a little flying rain at in- tervals. More wind part of the even'g. Clear night.		02
W. 16.	-20	W ₆ . WSW ₅ . W ₅ . WNW ₄ .	44 46 50	Blowing morn'g, and partly clear; day bluster- ing all day, and mostly cloudy. Rather less wind in the even'g, clear moon, light.	(Acornite in bloom and the snow drop pushed up.)	
Th. 17.	-38	W ₂ . W ₂ . W ₁ . Var. 0.	35 36 44	Clear & bleaker morn'g, and continued very bright all day with a drying air. More clouded from 4 pm. & calm even'g. but in part clearer.		
Fr. 18.	-52	W ₁ . W ₁ . W ₁ . S ₀ .	37 38 43	Close & hazy morning, very fine, calm, and pleasant day; clouds and little sun, and thin clouds at even'g. Clear night.		
Sat. 19.	-52	SW ₂ . SW ₂ . SW ₂ .	30 36 43	Cloudy, haze, and calm morn'g; and nearly the same all the day, and very gloomy. Clearer at sunset & part of even'g.	Full moon 0.11 AM.	
Su. 20.	-40	SSW ₂ . SSW ₃ . SW ₂ . 3. 4.	35 40 49	Hazy clouds, and breezy morn'g, threatening rain. Cloudy all day more or less, and a blue haze also. Warm and blustering night, very little rain.		02
M. 21.	-72	SW ₄ . SW ₄ . WSW ₆ .	44 52 57	Warm, breezy, & cloudy morn'g. Blustering day, but very warm, with grey clouds and sun. Heavy gusts of wind after 6 pm.	Unusually warm.	

424.80

272 338

Mean Temp 43.57. Rain
cal'd over 0.74

610

= 8° above Average.

January 1878.

January	Baro. meter	Wind.	Thermom. Dir. 8 P.m.	Weather &c.	Notes.	Rain 0.74
Tu. 22.	30.04 29.91	SW 3. NE 1. E 1. SE 1.	47 48 53	Very warm & close till 8 am, & a little wet. then the wind veered NE & E, to SE. Overcast & wet afternoon. finer after 4 pm. Warm blowing night.		.72
W. 23.	-80 -67	SW 6. W 5. W 5. 4. & 3.	39 41 44	Stormy showers early. Bright from sunrise till noon, some clouds afterwards, and wind boisterous all day, but mostly bright. Less wind at eve.		.04
Th. 24.	-58 -53	WNW 4. WNW 4. WNW 4. W 1.	33 36 41	Clear morn, and a very keen wind all the day, few clouds, but mostly bright. A little hail at 3 1/2 pm. Cloudy & wind gone in the evening.	little Hail pm.	
Fr. 25.	-42 -63	NW 3. NW 6. N 5. 3. 2.	32 35 35	Storms of snow & sleet. moon last in the morn, g. Boister. Dr. 3.49 eous & cutting wind, with PM. bright sun. in the PM, and freezing hard till mid. night.	(snowdrops bloom.)	
Sat. 26.	-89 30.10	NW 3. NW 2. NW 1.	25 35 40	Sharp frost early, but less after dawn, & very cloudy. snow at times. Finer in the afternoon, & some sun. clear and frosty evening, and night.		
Su. 27.	-17 -09	W 0. SE 1. SE 2. 5. 3.	29 33 41	Hoar frost in the morn, then very hazy, with but little sun. More clouded, & thick all the afternoon. Even, chiefly cloudy.		
M. 28.	29.83 -79	SSE 3. S 2. W 2. W 3.	34 39 40	Overcast and rainy morning: and mostly rainy through the day, and much increased in the evening, till 8, then finer.		.70
41.7.45		239 294		Mean Temp 38° 07. Rain car up - 1.60		
		533		2 1/2 above Average.		

January 1878.

January.	Baro. meters	Wind.	Thermom. Finn. & Max.	Weather, &c.	Notes.	Rain. 1.60
Tu. 29.	30.04 -16	NW 3. NW 3. NW 2. 8.1.	31 33 39½	Clear, & bleak, wind, little frost A.M. Very bright all the forenoon and the afternoon similar, but some light lofty clouds. Frosty evening and night.	(valleys flooded.)	
W. 30.	-26 -39	NW 0. NE 2. NE 1.	30 34 39	Frost A.M. Grey clouds and sun all day, with a keen air. Darker clouds at sunset, and a little sprinkling of sleet. Little frost in the night.		
Th. 31.	-47 -35	NW 1. NW 1. NE 2.	31 34 41	Little frost A.M. Very fine and bright, with a few cumuli in the afternoon. & a frosty air. Little hail at 4 pm. Little frost at night.		
18187			92 1195	Mean Temp 3 days 35° 25.	Rain -	1.60

Barometer.

Highest on the 11th - 30.67
Lowest on the 25th - 29.42.

Range = 1.25

Mean of Month 30.18

Gales on 5 Days.

Prevailing winds S W,
W, and N W. —

Thermometer

Highest on the 21st — 57°
Lowest on the 26th — 75°

Range = 32°

Mean daily range $8^{\circ} 34'$

Mean of month $\underline{\underline{39^{\circ}42}}$

About 4° above Average.

Fine days 18 in number
 Rain-fall 1.60 Inch.

This was a fine and favourable winter month, and often very mild. Very little frost or snow, and but trifling rain till the 28th. But some strong gales prevailed during the third week. Scornite and Snowdrop, and also Anemones blooming much during the month, but not so early as last year.

February 1878.

February	Barom. - elev.	Wind.	Thermom. Min. 8. Max.	Weather, &c.	Notes	Rain.
Fr. 1.	30.57 -46	N ₁ NW ₂ NW ₁ & 2.	30 33 41	Little frost, & bright morn'g. Fine bright day, but rather more hazy in the afternoon. Foggy evening, and night.		
Sat. 2.	-42 -39	NW ₁ NW ₂ N ₁ & 2.	36 39 45	Foggy & little mizzling new moon in the morn'g. Cloudy 8. 17 am. with a little sun in the afternoon. Even'g cloudy, & a little rain.	02	
Su. 3.	-43 -43	W ₂ NW ₂ NW ₁	38 40 44	More or less cloudy, and damp air, but not cold. The evening the same in every respect.		
M. 4.	-53 -60	NW ₀ NE ₀ E ₀ & 1.	37 39 43½	Overcast & some fog in the morn'g, clearer after 9 but mostly more or less cloudy and calm. but in the evening a little wind.		
Tu. 5.	-63 -62	W ₀ SW ₁ S ₁ SSE ₁	38 40 42	Cloudy more or less nearly alike all the day, and a very gentle wind. The evening and night the same.		
W. 6.	-62 -60	SSE ₁ SE ₂ SE ₂	36 38 41	Cloudy more or less gentle wind, and mild for the season, but colder in the afternoon and more wind.		
Th. 7.	-62 -61	SW ₀ WSW ₂ WSW ₂ 1. 0	32½ 34 42	Cloudy morn'g, became bright from 8 am, so continued all day, and a very clear orange colored sunset.		

427.53 247.52985 Mean Temp 39°. — Rain 0.02

This was the highest state of Barometer for a whole week we have ever noted!

54.6 = 2° above Average.

February 1878.

Feb'y.	Baro- meter.	Wind.	Thermom. Min. 8. Max.	Weather, &c.	Notes.	Rain 0.02
Fr. 8.	30.62 -54	W ₀ NW ₁ NW ₁ & 0	2½ 30 45	Hard & very white frost in the morn'g; bright all the day, with a little haze around the horizon. Sun set in a thin haze. Fog in the night.	8 & 24	
Sat. 9.	-43 -25	SW ₁ SW ₂ S ₁	28 30 35	Very foggy and frost in the morn'g; continued dense fog till 2 pm, then rather less, and a damp & cloudy even'g, & night.		
Su. 10.	-06 -01	SW ₁ W ₁ W ₁ SW ₁	30 34 38	Cloudy, & little frost, the moon 1 st 2 nd became very foggy from 1. 17 pm. 9 AM, and continued so, with very little wind. Evening the same.		
M. 11.	-00 -07	W ₀ Var. 0. NE ₀ & 1.	31 33 45	Little frost & fog in the morn'g, clearer after 8 & became bright, so continued all day. Evening partially cloudy.		
Tu. 12.	-26 -32	NE ₀ SE ₂ SE ₁	29 31 41	Frosty and clear morn'g. bright till near 11 am, afterwards cloudy with little sun, and the evening in part cloudy.		
W. 13.	-07 -01	S ₄ SW ₂ S ₁ S ₁	32 38 48	Squally and rainy all the morn'g; but fine after 10 am. Very mild & some fog, and the wind gone. Rich sky at 0 set.	Change early am. Rosy clouds at 0 set.	30
Th. 14.	29.97 -95	SE ₂ SE ₃ SSE ₄ 2. 1.	38 44 48	Rainy & mild morn'g, and a lowering sky all the day, with rain at times. Fine after 3 pm, and less wind.		28

422.56 215.5300 Mean Temp 36.82. — Rain 0.60

515.5 = very slightly below Average.

February 1878.

Feb.	Baro. meter	Wind.	Thermom. Min. 8 AM Max.	Weather.	Notes.	Rain. 0.60
Fr. 15.	30.17 -72	W ₀ . S ₂ . S ₃ .	34 38 50	Heavy dew, bright morning, and the day partly bright, with flying clouds, cloudy and breezy evening, and night.		
Sat. 16.	-32 -33	SW ₃ . SW ₂ . SW ₂ .	39 42 51	Little rain in scattering drops in the morning, grey clouds in the day, little sun, & a mild breeze. Sun set partly clear.	8 H O	
Su. 17.	-35 -22	S ₂ . S ₂ . SW ₂ .	46 48 57	Close, cloudy and mild. Full moon became clearer and sunny at 10 AM, then bright and very warm. Evening clear moonlight.	Full moon 11.17 AM. (Snow-drops full bloomed.)	
M. 18.	-11 -31	SW ₁ . SW ₃ . SW ₁ .	46 50 53	Close morning, & little rain at 6 1/2 AM. Clearer after 9, sun at times & brisk wind - very bright from 11 AM, all the afternoon.	(Crocus peeping out, Anemones plentiful.)	02
Tu. 19.	-48 -46	W ₀ . WSW ₁ . WSW ₁ . S ₂ .	33 1/2 37 51	Clear dewy morning, and inclined to frosty. Very bright till, then slightly hazy, but chiefly bright evening & night more hazy.	Birds musical.	
W. 20.	-33 -40	SE ₃ . S ₂ . SSW ₂ . S ₁ .	39 42 46	Cloudy & breezy morning. More clouded in the day, few rain drops at times of no importance; and the evening cloudy but fine.		
Th. 21.	-55 -57	W ₁ . W ₂ . NW ₂ .	36 1/2 40 53	Clear morning, and continued bright in the day, with a breeze, but very mild. More cloudy after 3 pm, & evening cloudy.	♂ ♀ Birds very tuneful.	
42472			274361	Mean Temp 45°.35.	Rain cal. up	0.62

635 = 8 1/4° Above Average.

February 1878.

Feb.	Baro. meter	Wind.	Thermom. Min. 8 AM Max.	Weather &c.	Notes.	Rain. 0.62
Fr. 22.	30.65 -62	W ₀ . WNW ₂ . WNW ₁ .	43 46 53	Calm, cloudy, & mild morning. Fine day, mild and partly bright. Cloudy evening, soft & calm, and birds very tuneful.	(The birds melodious all the evening.)	
Sat. 23.	-52 -40	W ₁ . SW ₁ . SW ₁ .	45 47 50	Mild, close, and foggy morning. Cloudy forenoon, but fog gone. Afternoon also somewhat cloudy, with partial sun. Evening cloudy.		
Su. 24.	-32 -26	SW ₀ . WSW ₂ . WSW ₁ .	41 1/2 44 49 1/2	Hazy clouds & gleams of sun in the morning. More clouded in the day, but fine, and the evening and night similar.	moon. lost Dr. 3.12 AM. rosy sky at 0 set.	
M. 25.	-18 -14	WSW ₃ . WSW ₄ . W ₄ .	43 46 50	Brisk wind early AM, & few rain drops, cloudy with rather squally wind. Clearer & some sun after 2 pm, but cooler. Wind became calm after 0 set.	Fine rosy & golden 0 set.	01
Tu. 26.	-13 -13	SW ₂ . SW ₁ . SW ₁ .	40 45 51	Rain in showers from 3 AM. Finer after 8, cloudy, with brighter intervals. Cloudy & closer evening, but a fine and mild night.		17
W. 27.	-04 29.90	S ₂ . S ₂ . S ₃ .	43 45 52	Cloudy & hazy, mild morning. Grey clouds, & sun at times during the day. The evening overcast and rain from 6 to 9 pm, at times.		16
Th. 28.	-95 -92	SW ₂ . SW ₂ . SW ₃ .	46 49 54	Cloudy and close morning, clear after 9, partly bright till noon, then thick and some rain & blue haze. Rather squally night.	(Violets blooming.)	04
42316			30153595	Mean Temp 47°.21!	Rain -	1.00

661 = 10° above Average!

A remarkable mild week for the season.

Results for February 1878.

Barometer.

Highest on the 22nd 30.65

Lowest on the 27th 29.90

Range 1.75

Mean of month 30.32!

No Gale all the month.

Prevailing currents the S.W. and South.

Thermometer.

Highest on the 17th - 57°.

Lowest on the 8th 27.5

Range = 29.5

Mean daily range 10.12

Mean of Month 42.09

5 degrees above Average!

Fine days 24 in number.
Rainfall One Inch.

This month was very fine and mild, and the only rain of any importance fell on the 13th, 14th, and 26th. The frosts were very gentle, and but few; and no snow whatever all the month.

Vegetation went on much during all the latter half of the month. Anemones, Pansies, the March Crocus and Violet all bloomed in profusion, and the Aconites and Snowdrops were passed away by the close of the month.

The roads and fields became dry and pleasant both for walking and labour during most of the month; in fact all throughout, with the exception of the very few days on which the rain fell. And there were many intervals of warm and bright sunshine to cheer the observer, beyond any February for some years past.

Here ended a fine, and very favourable winter, as could well be desired. Let us be grateful!

March 1878.

March	Baro. meter	Wind.	Thermom. min. 8. max.	Weather &c.	Notes.	Rain
Fr. 1.	29.85	SW ₂ SW ₃ SW ₄	48 50 58	Close & rainy morn. cloudy & blustering fore- noon. Warm & partial sun in the afternoon. Blustering all day.		.23
Sat. 2.	.87	W ₂ W ₂ W _{2.3} E 1.	49 51 56	Mild and breezy with clouds and sun, a very drying day. Sun set red & nearly clear. Fine & clearer night.		
Su. 3.	-39	W ₁ W ₂ W ₁	38 43 57	Clear, bright morn. and a sunny and warm day with a few light clouds. Red sky after 3 set.	Rosy sky after 3 set.	
M. 4.	-57	SW ₁ SW ₂ SW ₂ E 4.	39 44 55	Foggy morn till 8 am, then clearer, with sun, B. 18 AM. Grey clouds. Afternoon bright, with blue elec- tric haze. Brilliant.	new moon B. 18 AM. (Breezy night.)	
Tu. 5.	-48	SSW ₄ W ₄ W ₄ 3 & 2.	42 45 53	Brisk wind, and boiste- rous at times, with bright sun all day, and very parching. Some clouds after 4, and blustering night.		
W. 6.	-72	WSW ₅ SW ₆ NW ₇ W _{6.5}	45 52 56	Galy morn, & cloudy, but warm. Heavy gales PM, & drifting rain. Blowing hard all day. but abating slowly in the night.	(Strong Gales.)	.03
Th. 7.	30.11	NW ₃ W _{3.5} W ₄ NW ₇	44 47 55	Clouds & sun, bluster- ing & more clouded after 9 AM. Little rain pm, in short sprinklings. scarcely measurable. strong gales all night.	Heavy Gale at night.	.01
	42.268		30.5 38.8	Mean Temp 49.64	Rain cal. over	0.27
			69.5	7.5° Above Average!		

March 1878.

March	Baro. meter	Wind.	Thermom. Min. & Max.	Weather &c.	Notes.	Rain
Fr. 8.	29.92	NW ₁ NW ₅ NW ₂	39 ¹ / ₂ 42 49 ¹ / ₂	Heavy gales all the morning and clear sky. Bright till 11 am, then some clouds all the afternoon. Wind much less in the evening. Tranquil night.	(very blowing weather.)	0.27
Sat. 9.	-27 -22	NW ₂ W ₁ WSW ₂	32 35 45	Clear and cold morning, bright and bleak forenoon. Some light clouds P.M. The evening very hazy, and calm. Drizzling night.		
Su. 10.	-02 -14	SW ₁ WSW ₃ W ₂	38 44 51	Drizzling at times early A.M. Finer from 7 till 11 am, afterwards little showers & more wind. Fine evening with some clouds but clearer after 7 pm.	07 02	
M. 11.	-25 -19	WSW ₃ WSW ₄ WSW ₃	39 45 52	Breezy with clouds & sun, but chiefly cloudy more or less, yet still mild for the season. Bright sunset, but windy night.		
Tu. 12.	-27 -37	W ₄ NW ₂ NW ₂	38 ¹ / ₂ 41 49	Storm of rain at 3 ¹ / ₂ AM, moon 1 st w. then became calm & clear 4.1 am. for a time. Clouds & sun through the day. Bright sunset, colder night.	03	
W. 13.	-32 -50	N ₂ N ₄ N ₄	35 38 44	Flying showers of sleet & snow at 7 & 8 AM. - very boisterous and cold day, with clouds & sun. & some rain pm. Clear night.	04	
Th. 14.	-52 -45	NW ₂ NW ₁ NW ₁	29 37 46 ¹ / ₂	Clear & frost early. Clouds and sun in the day, and an unsettled looking sky. Cloudy evening, but very little wind.		
423.55			251 337	Mean Temp 42° -	Rain cal up 0.43	
			588	Just the Average.		

March 1878.

March	Baro. meter	Wind.	Thermom. Min. & Max.	Weather &c.	Notes.	Rain
Fr. 15.	30.42	N ₁ NNE ₂ NE ₂ & 0.	33 38 44 ¹ / ₂	Snow & rain early AM. Finer after 6 am; clouds & sun all the forenoon, and partially bright all the day, but very cold. Even clear and a very keen air.	03	
Sat. 16.	-53 -64 -67	NE ₁ NE ₁ NE ₁	30 ¹ / ₂ 37 44	Cloudy morning, the day mostly bright, with cumuli clouds, and a very keen air. Very bright sunset and nearly calm. Keen frost in the night.		
Su. 17.	-58 -52	W ₁ WSW ₂ W ₂ W ₁	25 35 49	Frost early, but wind veered after 6 am, cloudy till 10, then bright with a haze. The afternoon cloudy, and milder, and an overcast evening.	08 & 1/2	
M. 18.	-35 -27	W ₃ W _{3.4} W ₁	39 45 54	Cloudy and milder, but full moon very breezy morning. Continued cloudy and thick. more or less, & more wind, but milder. Calm evening. little rain in the night.	9.7 pm.	10
Tu. 19.	-30 -37	W ₁ NW ₁ NW ₂ & 1.	45 ¹ / ₂ 47 50 ¹ / ₂	Overcast, mild & damp morning, and cloudy all the forenoon. Little sun at noon, but again cloudy afterwards. and a rather close night.		
W. 20.	-45 -45	W ₁ W ₂ W ₁	43 ¹ / ₂ 47 56	Close & hazy morning, very mild day, and partly bright & very pleasant. evening cloudy and close with a gentle wind.		
Th. 21.	-34 -23	WSW ₂ WSW ₂ WSW ₂ SW ₂	43 47 54 ¹ / ₂	Overcast close & hazy morning, continued cloudy till 11 am, then bright at times, with light clouds mild & pleasant. Bright from 4 pm till evening. Night cloudy.		
426.12			259.5 352.5	Mean Temp 43° 71. -	Rain cal. over 0.56	
			612	Nearly 1 ³ / ₄ ° above Average		

March 1878.

March	Baro. meter	Wind.	Thermom. Min 8 Max	Weather, &c.	Notes.	Rain. 0.56
Fr. 22.	30.11	NW ₂ 37 NNW ₁ N ₁	38 42	Cloudy & colder, raw and damp morning. Showers of hail & sleet after 10 am. Fine afternoon showers & some sun. Frosty night.		
Sat. 23.	29.79	NW ₃ 25 NW ₃ NW ₁	32 43	Clear, & keen freezing morning. Cloudy after 10 AM, and the afternoon clouds and sun, with cold wind continuing, & a freezing night.		
Su. 24.	-68	WNW ₂ 26 W ₁ W ₁ NW ₄	34 46	Clear & freezing morning. Bright with cumuli clouds in the day, and some rocky & stormy looking. Frosty wind from NW after 4 pm. Frosty night.		
Mo. 25.	-69	NW ₂ 28 N _{2.4} N ₃	35 46	Showers of snow early moon last Dr AM, and drifting storms of large hail in the day, with bright intervals. Thunder distant at 12. Finer & frosty night. (Thunder at noon. Eastward.)		
Tu. 26.	30.07	NW ₂ 27 NW ₃ WNW ₂	33 45	Clear & frost early: the day fine and bright, with some light clouds, but a cold wind. Hazy at sunset, the sun very red but dim.		
W. 27.	29.82	W ₂ 33 NW ₃ NW ₂ N ₁	36 46	Heavy snow from 6 to 7 AM. Then finer but cloudy till noon. Afternoon bright with light cumuli clouds. Bright sunset & keen frosty night.		
Th. 28.	-74	N ₀ 25 ESE ₂ E ₂ E _{2.4}	34 44	Keen frost early, hazy & cloudy after sunrise, but clearer from 10 AM, but chiefly cloudy & cold all day. Even & night blowing from the East & cloudy.		
417.69		8.5	2015313	Mean Temp 36.75 -	Rain can up 0.56	
		5.145	5.4° below Average.			

March 1878.

March	Baro. meter	Wind.	Thermom. Min 8 Max	Weather, &c.	Notes.	Rain. 0.56
Fr. 29.	29.42	E ₄ 32 NE ₄ NE ₂ NW ₂	34 35	Snow & rain but from 7 AM, great fall of snow drifting thickly till after 3 pm. then fine, but cloudy, and brisk wind but scarcely any frost.		
Sat. 30.	-32	NW ₂ 31 NW ₄ NW ₂	37 38	Cloudy and a little snow at intervals. A raw & unpleasant atmosphere. Finer after 3 pm, but mostly cloudy. Fine night & frosty.		
Su. 31.	-58	WNW ₂ 29 W ₃ WSW ₃ SW ₂	36 45	Little frost early, and chiefly clear. Clouds and sun after 9 am, and a brisk wind. Cloudy evening. Gentle rain 7 & 8 pm.		0.9
176.67			925/185	Mean Temp 3 days 35.16. Rain 0.65		

Barometer.

Highest on the 16th 30.67.

Lowest on the 30th 29.32

Range 1.35

Mean of month 30.10.

Gales on 4 days.

Thermometer.

Highest on the 1st - 58°.

Lowest on 17th 23° & 28th - 25°

Range 33°

Mean daily range 12.95.

Mean of month 42.39

About the Average mean.

Prevailing currents NW and West.

Fine days 20 in number. Rain-fall 0.65 In.

This month walked backwards, a retroverting period. First week very warm, and to the 21st the warmest for 19 years, but the last 10 days real winter. Very little rain all the month. Vegetation very early up to the 21st, but afterwards stopped by the unseasonable change.

APRIL 1878.

April.	Baro. meter	Wind.	Thermom. Min. 9 am. Max.	Weather &c.	Notes.	Rain.
Mon. 1.	29.24 -30	NW. 2 NW 4. W 1.	22 34 46	After a snow-storm early a severe frost & clear till 9 AM. Then clouds & sun with brisk wind. Storms at a distance. Fine Even. & wind gentle, but more at night.	(Snow early AM.)	
Tu. 2.	-32 -45	WSW 5. WSW 4. W 4.	34 44 50	Blustering & cloudy with new moon little sun. Nearly the same most of the day. Showers passing at a distance. & some here at 4 & 5 pm. Fine evening & night.	9. 14 pm.	06
W. 3.	-65 -56	SW 1. SW 2. SSW 1. W 4.	34 46 48	Clear, bright morning till 9, then hazy & cloudy till noon, and rain at times in the afternoon. A sudden squall of west wind - 7 pm.		17
Th. 4.	-77 -91	W 2. W 2. W 1.	34 43 53	Hazy till after sunrise, then bright with cumuli clouds. The Even. very bright and tranquil & a more settled sky.		
Fr. 5.	-90 -98	WSW 1. SW 2. SW 3. W 2.	35 47 53	Hazy & electric, but partly bright all the morn. more clouds, and wind PM, but sun at times. Hazy even. calm night & partly clear, and frosty.		
Sat. 6.	30.16 -27	Var. 0. W 1. S 2. S 1.	29 44 57 1/2	Frost and fog early AM. Bright after 9 with some small clouds. Pleasant afternoon. Sun set red in thin haze. Very fine night & no frost.		
Su. 7.	-33 -25	S E 2. S E 2. E 3. E 3.	35 49 52 1/2	Fog early, bright from 7 am, all day, but a very bleak wind from about 10 am: very few clouds, & the evening also clear.		
417.09			223 360	Mean Temp 41° 64.	Rain cal up 0.23	
				583 = 6° below Average.		

APRIL 1878.

April.	Baro- meter	Thermom. Wind. Min. 9. Max. AM	Weather &c.	Notes.	Rain. 0.23
M. 8.	30.17 -10	SE ₄ 38 SE ₅ 49½ E ₅ 53 E ₃	Clear & parching morn- ing, bright all day, but a boi- sterous & cold wind through- out. The evening also clear, and blustering, but less wind in the night.		
Tu. 9.	-11 -12	E ₂ 37 E ₃ 47 E ₂ 48	Bright till 8 AM, then cloudy all day, and cold wind continued. Even- ing very cloudy also, and slight mist at times.	(Wynneck piping)	
W. 10.	-11 -08	E ₃ 40 ESE ₄ 49 ESE ₃ 55½ S ₂	Grey clouds, haze, & lit. Moon 1 st Dr the Sun; continued hazy 2. 55 pm. all day, with partial sun- shine, & parching wind. Brighter evening till 6, then clouding up & warmer night.		
Th. 11.	-13 -19	E ₂ 45 E ₂ 57 E ₂ 58½	Electric mottled clouds from SW, across lower current. Bright at times, and rather warmer. The evening very bright and parching air as before.	(Yellow Butterfly seen.)	
Fr. 12.	-26 -25	E ₁ 37 E ₂ 57 E ₁ 64	Bright and dewy morn- ing, continued very bright all day, & very warm. Evening also bright with a thin haze. Fog at night.	(Wynneck again piped Peacock-butterfly out.)	
Sat. 13.	-17 -13	SE ₁ 36 SE ₂ 58 SSE ₂ 63	Very foggy morn- ing till 6, then bright and warm but hazy & halo round the Sun. Cloudy evening, & close with rain at 8 & 9 pm. - then fine night.		0.08
Su. 14.	-12 -05	S ₁ 46 SSE ₂ 56 S ₁ 62 S ₁	Close morn- ing, cloudy & warm. Nearly the same through- out the day, but some sun at times. Close & cloudy evening, but clear after 8 pm.		
421.99		279.404	Mean Temp 48° 78.	Rain calcd over	0.31
683 = 1° above Average.					

APRIL 1878.

April.	Baro. meter	Wind.	Thermom. Min. 9 Max.	Weather &c.	Notes.	Rain.
M. 15.	30.12 -07	SW ₁ . SW ₂ . SW ₁ .	43 58 64½	Bright & lovely morn'g till after 8. then cloudy & close till noon. The afternoon chiefly bright & very warm & pleasant. Some blue electric haze.	Cuckoo sang.	0.31
Tu. 16.	29.98 -87	SW ₁ . SW ₂ . Var o.	41 53 56	Foggy till 7 am, then close & cloudy and gentle rain P.M. Finer even'g, calm, & much cloud. very warm night.		.17
W. 17.	-82 -82	W ₂ . W ₂ . SW ₁ . & o.	49 56 62½	Rain at 3 & 4 a.m., fine growing day, with rocky clouds and sun till after 2, then showery, and some fog at night.	Full moon 5.51 a.m.	.07 21
Th. 18.	-86 -88	W o. SSE ₁ . S _{1,2} . S ₂ .	40 58 67	Great fog till 7 am. then bright & warm. with rocky electric cumuli & nearly calm. but more breezy in the evening.		
Fr. 19. Good Friday.	-84 -80	SE ₂ . SE ₁ . SE ₁ .	42 58 60	Fog early, then clouds & sun most of the day, but close and hazy. Even'g bright after 5 P.M. Night hazy.		
Sat. 20.	-72 -61	SE ₂ . SE ₂ . SSE ₂ . SSW ₂ .	50½ 59 61	Hazy morn'g, low clouds, damp & warm air and little gleams of sun at times, & light rain at other intervals. Finer even'g after 6 p.m.	Nightingale singing.	.03
Su. 21. Easter Day.	-78 -94	SE ₁ . SSE ₂ . SSE ₂ . & 1.	45 56 62	Clouds & sun, warm & growing morn'g, and a fine sunny day with cumuli clouds. Bright evening.		
418.11			3105 433	Mean Temp 53° 1.	Rain cald up	0.79
			743° 5	5° above Average & rather more.		

APRIL 1878.

April.	Baro. meter.	Wind.	Thermom. Mon. 9. Max.	Weather, &c.	Notes.	Rain.
M. 22.	29.98 -74	NE 1. N 1. E 1.	46 53 56	Cloudy, damp, and a few rain drops in the morning. Hazy & close day, and the evening foggy from 5 pm, the night the same.	(Nightingale singing much)	0.79
Tu. 23.	-83 -76	NE 1. E 2. E 2. SE 2.	46 53 62	Fog till near 8 am, then cloudy till noon. Warm & bright afternoon, with electric clouded clouds. Shower & thunder S. 4 pm. & showery evening till 7.	(Thunder after 4 pm.)	37
W. 24.	-73 -79	E 1. ENE 2. ENE 3. NE 2.	47 57 60	Clouds & sun, with a brisk wind, and still 8.33 am. warm, in spite of the ENE wind, but colder after 1 pm. Clear and bleak evening. Fine night.		
Th. 25.	-85 30.02	NE 2. NE 3. NE 2. & 3.	43 56 60	Bright with some clouds, and a brisk wind, very parching, and some electric knotty cumuli. Evening bright, but the wind very bleak.		
Fr. 26.	-07 -13	N 2. NNW 3. NNW 2. & 1.	42 52 59	Cloudy, with sun, and a cool wind. Chiefly bright in the afternoon, and the evening nearly the same, but some light clouds. Fine night.	□ 40	
Sat. 27.	-26 -30	N 2. NE 1. NE 1. E 1.	40 54 62	Clouds & sun at first, but very bright after 9 am, and warm and pleasant day throughout, & a brilliant evening, and clear night.	♂ ♀ 0 (Nightingale & thrush in full song.)	
Su. 28.	-32 -23	SE 1. SE 2. SE 1.	39 53 63	Fog AM; became bright after 8 am; so continued all day, & warm and pleasant. A few clouds in the evening.	(Birds as tuneful as above.)	
420.20		3033 4225		Mean Temp 51° 85.		Rain carried over } 1.16
726 — Nearly 4° above Average.						

APRIL 1878.

April.	Baro meter	Wind.	Thermom. Min. 9. Max.	Weather, &c.	Notes.	Rain 1.16
M. 29.	30.13	SE 2.	42			
		SE 3.	58½			
	29.99	SE 2.	67			
Tu. 30.	-81	E ½.	48			
		SSE 1.	56			
	-76	S.	66			
		SSW 1.				
119.69 90 133 Mean last 2 days 55° 75. Rain 1.33						

Barometer.

Highest on the 7th 30.33

Lowest on the 1st 29.24

Range 1.09

Mean of Month 29.95

Gales on 2 days. —

Prevailing winds SE,
E, and SW. —

Thermometer.

Highest on the 18th & 29th 67° —

Lowest on 1st AM 22° —

Range = 45° —

Mean daily range 18° 1 —

Mean of Month = 49.3.

About 1° above Average. —

Fine days 22 in number,
Rainfall 1.33 Inch.

From the 9th to the end, a fine, warm, and grow-
ing time, and all vegetation progressing well.
The Rainfalls here were few, and light during all
the month, and the mean Temperature above
the Average, and more than it has been for
four years past. —

MAY 1878.

May	Baro meter	Wind.	Thermom. Min. 9. Max.	Weather, &c.	Notes.	Rain
W. 1.	29.76	S 1.	50			
		SSE 1.	59½			
	-78	S 1.	68			
		S 1.				
Th. 2.	-92	SE 1.	47			
		SW 1.	66			
		SW 0.	72			
30.02						
Fr. 3.	-12	SW 1.	53½			
		SW 2.	65			
		SW 1.	66			
	-09					
Sat. 4.	-16	W 3.	45			
		W 3.	62			
	-17	WSW 3.	67			
		2 & 1.				
Su. 5.	-20	S 1.	42			
		SE 2.	64½			
		SE 2.	70			
	-12	E 2.				
M. 6.	29.92	E 3.	48½			
		E 3.4.	64½			
	-81	SE 3.	69			
		2, & 1.				
Tu. 7.	-80	SW 1.	55			
		Var ½.	60			
		NE 1.	62			
	-78	E 1.				
419.65 341 474 Mean Temp 58° 21. Rain 1.06						
815 = 4° above Average.						

Sultry morn'g, clouds &
sun, slight rain at 8 am. (Cuckoo
more heard. '02
afterwards at times bright
and hot with electric clouds. (Thunder
and distant thunder, and
at 9 pm lightning in west. PM..

Fog early, then bright and here moon
hot with some electric 0.50 pm.
cumuli at times. Very
close evening & calm.
and a sultry night like
perfect summer.

Bright with haze, & hot
morn'g. More clouded after
8, and all the mid-day.
Rather clearer again from
3 pm. Fine night.

Breezy & bright morn'g
some clouds followed, but
mostly bright, and plea-
sant with brisk wind.
Evening calmer & very fine.

Bright & lovely morn'g. (Nightingale
and mostly bright all very tamful
the day, but electric cu- daily.
muli at times. Cooler
breeze after 1 pm. Clear Eveng.

Bright & breezy morn'g, & ♀ h
continued very bright
till 1 pm, then a thin haze,
but very warm. Very hazy
cloudy & electric eveng.
Close and sultry night.

Very sultry morn'g, gentle
rain from 7, and harder
till noon then abated, and
fewer by 3 pm, a short time.
Rain again from 3½ pm, at
times hard. Showery night.

MAY 1878.

May.	Baro. meter	Wind.	Thermomr. Min. 9. Max.	Weather, &c.	Notes.	Rain.
W. 8.	29.72 -82	NE ₂ 4.9 NE ₂ 50 E ₁ 51		Very rainy from 2 AM, & intermitting all the morning, and most of the afternoon almost incessantly. Became fine after 7 pm. but a cloudy night.	Floods on the valleys.	1.06
Th. 9.	29.94 30.02	SE ₂ 4.8 E ₂ 51 E ₂ 54 1 & 0.		Fog till after 9 AM, then cloudy more or less till 4 pm, afterwards for the most part bright, and became quite calm.	Moon 1 st Dr. 10.32 pm.	
Fr. 10.	29.96 30.01	SE ₁ 4.2 SE ₂ 59 ESE ₃ 65 8 2.		Clouds & sun, warm growing morn'g, very bright day, but a very brisk wind from about 11 am all day. Small electric clouds in the A. during even'g.	Hawthorn in bloom some days.	
Sat. 11.	29.78 -81	E ₃ 4.82 ESE ₂ 54 SE ₂ 6 1/2 SW ₁		Showery from 5 AM, gleams of sun at times, and a sultry air. Fine brighter & very warm P.M. Even'g bright but hazy, & very warm.		30
Su. 12.	-84 -83	SE ₁ 4.6 SE ₂ 68 SE ₁ 73		Bright & lovely morn'g small dapple clouds and very hot. The whole day very bright & hot. Distant thunder storms in W & NW. & also at 8 pm. Close night.	very distant Thunder 3 pm in NW.	
M. 13.	-72 -72	SE ₁ 5.1 SSW ₂ 59 SW ₂ 64 1/2 8 1.		Sultry morn'g, fitful showers & distant thunder; finer after 11 am, bright at times, with flying clouds. Breezy night & cloudy.	Thunder at 6 & 7 am	73
Tu. 14.	-66 -64	SSW ₂ 5.0 SSW ₂ 57 SW ₁ 62		Cloudy, lowering morn'g, with a dripping sky. Unsettled day, and some showers. Evening more settled, and less wind, but more in the night.		05
41747		3345 437		Mean Temp 55° 1.	Rain cal. up }	2.60

771.5 = 1 deg above Average.

MAY 1878.

May.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather &c.	Notes.	Rain. 2.60
W. 15.	29.70 -63	S 4. S 5. SSW 6. 4. 3. 2	50 56 64	Cloudy & windy mornng, and little wet at times. Very galy all day, with some bright intervals, and showers at a distance. Fine night & less wind.		02
Th. 16.	29.87 -95	SW 2. SW 4. S 2. 3. 4.	51 62 66	Bright mornng, flying clouds and brisk wind. Very blustering day, but warm, with sun & clouds. Cloudy evenng, and light rain after 6 pm. Breezy & warm night. Full moon ☐ H ☉		01
Fr. 17.	29.91 30.17	S 3. SSW 4. SW 5. SW 2.	56 1/2 64 69 1/2	Sultry breeze & cloudy mornng. very windy most of the day, but warm, and in part bright. Close night and distant thunder.		
Sat. 18.	29.02 29.93	SE 2. SE 2. SW 3.	57 62 72	Rain at 2 AM. Thunder from 4 am, sharp thunder storm at 7. & another at 9 AM. Fine and bright afternoon, very hot. Distant thunder NW. Breezy evenng and night. (much thunder.)		44
Su. 19.	29.96 -89	SW 3. SW 5. SW 4. 8 3.	50 60 64 1/2	Very breezy mornng, little shower at 5 am, then bright with flying clouds, and blustering wind. Showers at a distance P.M. & a little rain here. Finer night.		03 02
M. 20.	29.93 -85	SW 3. SW 2. W 2.	50 1/2 57 59	Cloudy & breezy mornng, very little sun. Rain from 1 to 2 pm, then finer, and a little sun at times, but a very wet evening. from 6 pm till after 9.		04 30
Tu. 21.	29.96 -91	NW 3. W 2. WSW 2. W 4.	39 54 55	Clear & colder morning. became cloudy & unsettled after 9, & little sun. Showers & thunder in the afternoon. Fine sunny evenng, but windy. (Thunder.)		11
41868		354 450		Mean Temp 57° 42	Rain cal. over	3.57

804 = 3 1/2° Above Average.

MAY 1878.

May.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather &c.	Notes.	Rain. 3.57
W. 22.	30.00	W ₃ . W ₂ . WSW ₁ . 5 1/2.	4 1/2 53 57	Bright till near 8 am, then clouds, with little sun, but after 2 pm partially bright till near 5. - then a cloudy evening & night.		
Th. 23.	29.75	SE ₂ . SSE ₃ . SSE ₂ . S ₂ .	47 52 60	Cloudy lowering morning & light rain at times. Finner PM, dark clouds, & but little sun. Closer eve- ning & hazy, but a fine night.	02	
Fr. 24.	51	SW ₂ . SW ₂ . SW ₃ . W ₁ .	50 56 64	Close and hazy morn'g, moon last Dr with much cloud and but little sun. Stormy sky with sun & clouds. Thunder in North 5 pm; & S E. at 6. Little shower here 8 pm.	(Thunder evening N & S E.)	03
Sat. 25.	72	NW ₂ . NW ₂ . W ₄ . W ₁ .	43 1/2 58 62 1/2	Clouds and sun, but clearer after 9 am, bright with ca- muli clouds till noon, afterwards cloudy & squally rain, but finer again from 3 pm. - Thunder shower at 7 pm.	(Thunder on NW. 6 pm.)	04
Su. 26.	87	SW ₁ . W _{1.2} . W ₁ . SW ₁ .	46 60 64	Clouds and sun, but a fine & mostly bright forenoon, from 2 pm showery, and a violent thunder storm 4 pm. Showery evening.	(Frightful thunder at 4 pm.)	35
M. 27.	92	SW ₁ . SW ₁ . S ₂ . S ₁ .	47 59 63	Clouds & sun, partly bright till noon, then flying showers, & some thunder, with bright intervals. & a bright evening.		06
Tu. 28.	94	S _{1/2} . SE ₁ . E ₂ . NE ₁ .	47 59 65	Close & cloudy morning. Mostly bright in the day, but hazy and much cloud. More hazy & thick from E after 2 pm. Cloudy night & slight wetting.		
417.27		322.4355		Mean Temp 54.1. - Rain cal. up 4.07		

757.5 = Slightly over Average.

MAY 1878.

May.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather, &c.	Notes.	Rain. 4.07
W. 29.	29.98	NE ₂ . NE ₂ . NE ₂ .	50 54 60	Cloudy & little rain early and at times afterwards till 9 am; fine and partly bright pm. Cool breeze and low scudgy clouds in the evening, & night.	(Distant Thunder at 2 AM.)	11
Th. 30.	29.79	NE ₁ . NE ₁ . Var. 1/2.	47 51 59 1/2	Cloudy, more or less all the morn'g. Clearer by noon, & the afternoon partially bright, and the evening the same. Clear sunset.		
Fr. 31.	77	SE ₁ . SE ₂ . SE ₂ .	40 54 63	Hazy & cloudy more or less from 7 am, till near 11 am, then partially bright, and a pleasant afternoon. - Rainy night after 8 pm.		06
180.90		137.1825		Mean last 3 days 53.25. Rain - 4.24		

Barometer

Highest on the 30th = 30.23
Lowest on the 24th = 29.46
Range = 0.77
Mean of Month 29.90.

Gales on 3 days.

Prevailing currents SW,
and SE.

Thermometer

Highest on the 12th = 73° -
Lowest on 21st am = 39° -
Range = 34° -
Mean daily range 15° 79.
Mean of Month = 55° 92.
2 Degrees above Average.

Fine days 14 in number only.
Rainfall 4.24 Inches!

The first week of this month was fine and very warm
but in some places great thunder storms on the 1st day.
From the 7th to near the end, great rains and frequent
storms of thunder, with some hot intervals, and a
warmer month than usual, although the wettest May
for 18 years past. Vegetation very forward, and the ge-
neral foliage completed early in the month.

JUNE 1878.

June	Baro. meter	Wind	Thermom. Min. 9. Max.	Weather &c.	Notes	Rain.
Sat 1.	30.12	NE 1. NE 1. NE 1.	45 54 59	Rain at times early & new moon till 9 a.m. then finer, and some sun, with cumuli clouds, but cool for the season. Clear then set.	1.48 a.m.	07
Su. 2.	-15	E 1. ESE 2. SE 2.	39 62 64	Clear, dewy morn'g, continued partly bright in the day, but cumuli clouds & a cool breeze. More hazy from 2 p.m. and so continued. Rain 9 p.m.		04
M. 3.	-04	SE 1. SE 1. SE 1.	48 56 63	Close & lowering morn'g, slight rain at times, finer after 11 a.m., little sun, but many clouds, and a scattering of rain again at 3 & 4 p.m.		02
Tu 4.	29.94	S 1. SW 2. WSW 3.	50 57 68	Foggy & close morn'g, little rain at times, but more rain after 9 a.m. Finer after 11, warm & bright till 4 p.m. Distant thunder then & flying shower here, and an unsettled evening.	Thunder N 4 1/2 p.m.	71 03
W. 5.	30.07	NW 2. NW 1. NNW 1. NW 1.	49 53 57	Very windy at West. 1st m. afterwards abated, & changed to NW. Cloudy morning, and but little sun, the rest of the day nearly the same. Fine night.		
Th. 6.	-27	SW 1. SW 1. Var. 1. SW 1.	47 61 66	Thin haze, but bright, warm, and pleasant morn'g; and a fine sunny and warm day, and a very brilliant evening.		
Fr. 7.	-27	SW 1. SW 1. SW 1.	51 1/2 66 69 1/2	Close & hazy, but bright and lovely morn'g; and the day very warm, and hazy, but partly bright. Fine & close hazy night.		
421.78				Mean Temp 55.46.	Rain cald up	0.27
776.5				3 1/2° below Average.		

JUNE 1878.

June	Baro. meter	Wind	Thermom. Min. 9. Max.	Weather &c.	Notes	Rain.
Sat. 8.	30.02	S 1. SSE 2. SSE 2. S 1.	52 68 73	Hot & hazy, but bright; moon 1 st Dr. and afterwards hazy and bright by turns, most of the day, & some dappled electric clouds. Sudden storm 6 p.m., & thunder, then a bright evening.	3.55 a.m. Thunder storm 6 p.m.	13
Su. 9.	29.78	SW 3. SW 2. S 4. 3. & 2.	55 63 68	Clouds & sun, brisk wind, but a warm morn'g; more clouded in the afternoon. Wind gusty. Evening bright, but storm clouds skirted the west horizon.		
M. 10.	-80	WSW 3. WSW 5. SW 4. 3 & 2.	53 61 67 1/2	Flying clouds, & sun, squally shower soon after 9 a.m., then chiefly fine, but boisterous with sun & clouds. Evening bright, and wind less. Fine night.		02
Tu. 11.	-87	S 3. S 4. SW 3. & 2.	51 58 1/2 62	Close & cloudy morning, blustering & slight rain at times. Very blustering day, & little rain, but brighter evening, and finer night, & wind less.		03
W. 12.	-72	SW 3. SW 3. SW 2.	49 62 65	Clouds & sun, with brisk wind. Hasty showers at times in the afternoon. & yet but trifling; thunder in N. 4 p.m., and a heavier rain at 7 p.m. here.	Thunder N-4 p.m.	09
Th. 13.	-90	W 1. Var. 1/2 SE 1. ENE 1.	52 1/2 59 62	Close & cloudy, little sun at noon. Cloudy afternoon & little rain at times. & more after 3 p.m., but the evening finer.		17
Fr. 14.	30.02	NE 1. NE 2. NE 1.	47 1/2 53 58 1/2	Cloudy, more or less, & but little gleams of sun and a cool breeze. Nearly alike all day & rather ungenial.	Full moon 11.51 p.m.	
417.95				Mean Temp 58.28.	Rain cald over	0.71
816.				3/4 degree below Average.		

June 1878.

June	Baro. meter	Wind	Thermom. Min. 9 AM Max.	Weather, &c.	Notes.	Rain.
Sat. 15.	29.98	NE 2 N 1 NNW 1	45 51 56	Clear at first, but after 1, clouds & sun; chiefly cloudy, & very cool for the season. The evening the same. Night clearer.		0.71
Su. 16.	29.91	NW 1 WNW 2 WNW 1	43 55 56	Bright till after 7 am then cloudy more or less most of the day. Very thick evening & a little rain. Finer night but continued hazy & thick.		0.02
M. 17.	29.92	W 2 W 1 SSE 1 S	48 56 61	Cloudy more or less, and but very little gleam of sun, very cool for the season. Clearer after 5 pm, but again cloudy most of the evening, and night.		
Tu. 18.	30.01	SW 1 S 2 S 1 & 0	49 59 67	Blue haze & electric clouds but partially bright till 1 pm, then overcast rainy & cooler again till 3, afterwards closer, and some blue haze but a fine evening.		0.04
W. 19.	30.07	S 1 SE 2 SE 1 & 0	46 59 64	Hazy & dripping at 7 & 8 am then finer, but mostly hazy and thick, clearing slowly after 2 pm, yet very little sun. Even close, calm & hazy.		0.02
Th. 20.	30.16	Var. 0 W 1/2 Var. 1 E 1/2	53 58 67	Hazy, close & calm all the morning, and till noon, then clearer, and a bright and pleasant afternoon, and evening. Sun set red & clear in a grey haze.	(Grand sun-set.)	
Fr. 21.	30.23	SE 1 SW 2 SW 1 S 1	48 68 74	Bright & hot with light dappled electric clouds, and fresh breeze at times, close evening, and curdled sky. Clear orange sunset.		
420.71		333.446		Mean Temp 55.64.		Rain cald up 0.79
		779		Nearly 3 1/2° below Average.		

June 1878.

June	Baro. meter	Wind	Thermom. Min. 9 AM Max.	Weather, &c.	Notes.	Rain.
Sat. 22.	30.28	SE 1/2 S 1 SSW 1 SSE 1/2	52 71 78	Splendid morning, hot noon last. Dr and clear. Continued 7.15 pm. bright & very hot all the day. Even sultry, and some hazy electric clouds till 3 pm.	At noon Therm 77° & 78° from 1 till 3 pm	0.79
Su. 23.	30.23	SE 1/2 SE 1 S 0	53 69 78	Sultry hazy & dappled morning, clearer after 9, bright & very hot most of the day. Thunder PM in west. Even hazy & sultry, & close night.	Thunder PM in W & NW.	
M. 24.	30.22	SE 1/2 SE 1/2 SE 1	53 75 82	Bright, & very hot morning continued bright, and the heat extreme through the day. Some hazy clouds after 4 pm. Very sultry night.	By 11 am 79 1/2° at 82 from 1 to 3 pm.	
Tu. 25.	30.29	SW 1/2 S 1 SE 1	60 69 79	Sultry & thick morning, and gentle rain at 6 1/2 AM. Slowly cleared off all the morning, very hot, & bright PM. Sun set red and clear.		0.02
W. 26.	30.34	SE 0 SE 1 SE 0	57 79 86	Very bright and excessive heat, a few small clouds only, and a very brilliant evening, but the sun set in a bar of clouds.	11 AM 84° noon 85° 2 pm 86° 0 set 74°	
Th. 27.	30.29	SE 1 ESE 2 ESE 2 & 1	59 81 85	Very bright & extremely hot, but a fresher breeze from 11 am. Very bright all day, & sun set clear & deep salmon colour.	10 AM 83° 11 1/2 - 85° noon 85 1/2° splendid sunset.	
Fr. 28.	30.14	E 2 E 3 E 2	61 78 80	Bright & very hot, and parching breeze all day. rather subdued the solar heat. Sun set amber-coloured & quite clear.		
423.55		396.5685		Mean Temp 68.89!		Rain cald over 0.81
		9645		Nearly 10° above Average.		

June 1878.

June.	Baro. meter	Wind.	Thermom. Min 9 AM Max	Weather &c.	Notes.	Rain. 0.81
Sat. 29.	30.04	E 2.	56		Very bright and hot, with some light electric clouds, & parching breeze. Evening also bright, but some cirro above the setting sun.	
	29.98	E 2. E 1.	74			
Su. 30.	-90	ENE 2.5	57		Sultry, close & grey clouds, new moon very warm, and pleasant 0.31 pm. and bright at times, but cooler breeze in the afternoon and evening.	
	-98	ENE 2. ENE 1.	70			
	119.90		1135 151	Mean of last 2 days 66°	Rain Total 0.81	

Barometer.

Highest on the 26th 30.34

Lowest on the 11th 29.65

Range 0.69

Mean of month 30.06

Gales on 2 Days,
4th and 10th.

Prevailing currents
the SE and SW.

Thermometer.

Highest on the 26th 86°

Lowest on 2nd AM 39°

Range 47°

Mean daily range 17.46

Mean of month 60°

About the true Average.

Fine days 18 in Number,
Rain-fall 0.81 of an inch.

This was altogether a dry month in these parts, and the first 19 days cool for the season, then from the 20th remarkably hot and continually so. Much good hay was then made and secured, and the corn improved much. The bulk of Clover and grass for hay was abundant, and this with the latter part of the month proving so favourable for hay-making was a great and twofold blessing. The rainfalls were immense with terrific thunder in and around London on 16th 23rd & 30th the 23rd especially! Yet so fine here.

July 1878.

July.	Baro. meter	Wind.	Thermom. Min 9 AM Max	Weather &c.	Notes.	Rain
M. 1.	30.04	N 1.	58		Close & cloudy morn'g, & mostly cloudy in the day with little gleams of sun pm. Very pleasant day. The evening chiefly bright.	
	-07	N 1. N 1/2. NW 1.	60			
Tu. 2.	-01	N 1.	51		Clouds and sun, some darker clouds, at times, and but little sun. Brighter evening, but a cloudy night.	
	-00	N 1. NE 1. NE 2.	55			
W. 3.	-01	N 2.	47		Cloudy more or less, all the morn'g & a few rain drops at times. Brighter afternoon, with some clouds. Evening the same.	
	-12	NW 2. NW 2. S 1.	56			
Th. 4.	-23	WNW 2.	44		Bright, with light clouds, and fresh breeze, much warmer again, as the day opened. Wind veered at noon. Warm & pleasant all pm. Evening hazy but bright.	0.81
	-20	WNW 2. SW 2. S 1.	65			
Fr. 5.	-17	WSW 2.	57		Morn'g partly bright, and a warm breeze. Sultry day, clouds & sun, & brisk wind. Evening very bright, and sultry air continued.	
	-16	W 3. W 3. S 2.	70			
Sat. 6.	-11	WSW 2.	61		Clouds & sun, sultry breeze, very hot after 9 am, & yet blustering. Some clouds, but mostly bright. Much less wind after 4 pm, and a calm evening.	
	-11	WSW 3. W 3. W 1.	72			
Su. 7.	-10	NW 2.	57		Breezy morn'g, clouds, and sun. Pleasant day and partly bright, some distant showers. Evening cloudy from 7 pm, and hazy but fine night.	
	-11	WNW 2. W 1. NW 1.	69			
	421.44		3754.755	Mean Temp 60° 75.	Rain car? over None.	
			850.5	3° below Average.		

July 1878.

July.	Baro	Wind.	Thermom.		Weather &c.	Notes.	Rain none yet.
	meta		Min.	9. AM.			
M. 8.	30.14	NW ₁ NW ₂ NW ₁	54 62 67½		Clouds & sun, pleasant morning, and a fine temperate day, partly bright, and light clouds. Evening very bright, and clear sunset.		
Tu. 9.	-23 -06	NW ₁ SW ₂ SW ₂	48 68 73½		Clear dewy morning, heat increased fast as the day opened. Mostly bright till noon, but afterwards hazy & cloudy, and a warm breezy night.		
W. 10.	-02 -01	SW ₂ SW ₂ W ₂₋₃ W ₂	56 65 68		Hazy morning, & warm breeze. Cloudy forenoon, but became clearer at noon, then again at times cloudy, and the evening the same.		
Th. 11.	29.98 -93	W ₂ W _{2.4} W ₃ & 2.	55 59 64½		Cloudy with slight drippings in the morning, much cloud in the day, very little sun, and brisk wind for the most part. Clearer after 4 pm, and the evening chiefly bright.		
Fr. 12.	-98 30.02	W ₂ W ₂ W ₁	51½ 65 66		Clouds, and sun, and more electric, fine & pleasant day, and the evening near the same as the day, and a calm night.		
Sat. 13.	-04 -14	NW ₁ NW ₁ NW ₂ 18.0.	51 65 67		Bright till 6 am, then fog till 7, then bright & a warm, and pleasant day, with cumuli clouds, & a cooling breeze. Fine & bright evening.		
Su. 14.	-18 -23	NW ₁ NW ₁ NW _½	53 60 65		Cloudy, but slowly cleared off after 10 am. then clouds and little sun; but from 4 pm chiefly bright all evening.	Full moon 10.55 am.	
421.41		36834715		Mean Temp just 60°.		Rain card up	none
		840		34° below Average.			

July 1878.

July	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather &c.	Notes.	Rain none yet!
M. 15.	30.27	NW ₁ NW ₁ ESE ₂	55 65 71	Bright morn'g till 7 am light clouds followed, but again bright before 11, close day, with clouds & sun, wind to ESE at 4 pm. Fine and calm night.		
Tu. 16.	-35	SW ₁ W ₁ W ₁	48 70 75	Clear & dewy morn'g, continued very bright, and very hot, some electric clouds in the afternoon. Hazy & close even'g & night.		
W. 17.	-38	W ₁ W ₂ SE ₁	55 73 80	Very bright and hot, with a gentle breeze at times calm and brilliant even'g, & clear golden sunset. Hazy night.	11 AM 78° 12 to 3 pm 80° 7½ pm 74°	
Th. 18.	-43	W ₁ NW ₁ NW _½ SE ₁	59 77 82	Very bright, and extreme- ly hot, with a few small clouds. The even'g rather hazy, but chiefly bright and very hot & close.	10½ AM 80° at noon 81½° & till 3 pm 82° 7½ pm 74°	
Fr. 19.	-42	W _½ ESE ₁ E _½	59 75 83	Hazy, & dappled, close & hot morn'g, at 10 am, became bright & oppressive heat. More cloud- y 10 AM. Very bright even- ing, & clear night.	noon 82° 2 pm 83°	
Sat. 20.	-32	SE ₁ SE ₂ SE ₁	56 78½ 83	Bright with dappled sky and the heat excessive. More wind in the after- noon, and small elec- tric distant clouds. Some distant thunder 5.7 pm.	11 AM 82° noon 83° so. till 2 pm.	{ Distant thun- der even'g.
Su. 21.	-22	SE ₁ SE ₂ E ₃ E ₂	59 77 80	Very hot and clear morn'g. continued bright, but a cooling breeze came on after 9 am, some small cirrocumuli, & very parching day.		
424.74		391554		Mean Temp 67° 5. Rain card over } none yet!		
		945		4° above Average.		

July 1878.

July.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather &c.	Notes.	Rain. none yet!
M. 22.	30.20 -18	E 1. E 2. E 2.	62 73 76	Sultry, hazy & close morning, electric clouds, & little rain at 10 1/2 AM, then fine hot, & bright PM. Cloudy from 8 PM, lightning after midnight.	moon last Dr- ning, 0.16 pm. 8 8 8	.01
Tu. 23.	-13 -07	NE 1. NE 1. NE 1.	59 63 66	Rain 2 AM, lightning, and thunder, till 3 AM. then clear. Fog from 6 am till 10, then close with blue haze till 4 pm. Cloudy evening, foggy night.	Thunder. Storm 2 AM. Distant lightning & thunder	.20
W. 24.	29.92 -80	E 1. SE 2. SE 2. S 1.	59 63 70	Gentle rain between 5 & 8 am, cloudy & calm till noon. Sun & clouds PM. Showers & much thunder after 3 & till 6 pm. - Close night & rather foggy.		.13 .22
Th. 25.	-83 -85	SW 1. SW 2. W 4. 2. 1.	58 69 74	Low clouds, close morning, clearer after 8, rocky clouds & hot sun. Very breezy afternoon, but a tranquil evening, very pleasant.	8 40	
Fr. 26.	-88 -91	W 2. W 2. W 1. 8 0.	58 68 73	Short light shower 6 1/2 am, bright & very warm after 8, and till noon. Rather cloudy PM, and a close, & hazy evening & night.		.02
Sat. 27.	30.00 -07	NW 1. NE 1. E 1.	5 1/2 65 65 1/2	Fog at 6 AM; cleared off at 7, cloudy & close till noon, then heavy showers from NE. Distant thunder from 3 pm, & clearer.		.30 .18
Su. 28.	-08 -11	E 1. E 2. ESE 1.	50 63 66	Hazy morning, & grey cirrostrati, clearer after 8, clouds & sun, and very pleasant. Chiefly bright after 3 pm. Scattered clouds NW after 8 set like images on a plane.		
42003		40334905		Mean Temp 63.85. -		Rain car up 1.06
894 = Rather above Average.						

July 1878.

July	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather, &c.	Notes.	Rain. 1.06
M. 29.	30.13 -15	Var. 1. NW 2. NW 1.	52 64 66	Little shower 5 AM. Fine new moon forenoon, & partly bright, 9. 40 pm. afterwards showery from NW till 3 pm. Fine & bright from that time all evening.		.04 .17
Tu. 30.	-22 -31	NW 2. NW 3. NW 3.	52 62 64 1/2	Low clouds till after 9 AM, then loose cumuli and sun, but again cloudy & squally from noon all pm, & sun at times. Closer night.		
W. 31.	-42 -44	N 2. N 2. NE 2.	57 63 65	Cloudy & little sun, warm morning; grey clouds all day & comparatively not so warm as the morning. Cloudy evening and night.		
181.67		161.955		Mean Temp 3 days 59° 41.		Rain Total 1.27
Barometer.				Thermometer.		
Highest on the 18 th & 31 st 30.44				Highest on the 19 th & 20 th 83° —		
Lowest on the 24 th 29.80.				Lowest on 1 st AM. 44° —		
Range 0.64				Range = 39° —		
Mean of Month 30.147.				Mean daily range 15.74		
				Mean of Month 62.67.		
No Gales this month.				One degree below the Average.		
Prevailing winds NW, and West, but much divided.				Five days 25 in number.		
				Rainfall 1.27 Inch.		

This was a good summer month, great drought went on
till the 22nd, and the heat was great from 15th to 22nd,
then some thunder, and refreshing showers in the
fourth week, which had been much needed, and proved
highly beneficial to all nature. A merciful supply!
The fields nearly fit for harvest at the month's end.
Up to the 22nd the grass was much scorched, but had
since somewhat revived.

August 1878.

August.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather &c.	Notes.	Rain.
Th. 1.	30.43	NE 2. NE 2. NE 2.	55 62 69	Cloudy grey sky till 9, then bright, with a few light clouds. The evening again cloudy, and the night also, but fine.		
Fr. 2.	-18	NE 1. E 3. E 2.	56 70 72	Low clouds & light rain from 6 am, a short time, then became bright and hot, with parching East wind. More clouds & cooler pm. Squally rain 8 and 9 pm.		.02 .06
Sat. 3.	29.89	NE 2. E 3. ENE 2.	57 67 68½	Rocky clouds & sun, very warm, but a stormy sky, and many stormy looking clouds. Rain at times during the night. —	lightning even & S.E.	
Su. 4.	-88	SE ½. SE 1. SE 1.	60 68 74	Rain till 6 am, distant thunder, hot sun & cumuli from 8 AM. Very hot and bright day. Rocky clouds in the P.M. — Evens partly cloudy.		.27
Mo. 5.	30.05	SE 1. SE 2. SE 1. & 2.	54 73 78	Bright & very hot morn'g moon 1 st Dr. from 7 am, and very hot 1.19 pm. & bright all day. More hazy in the evening, and threatening S. — lightning 10 pm		
Tu. 6.	29.91	SE 1. SE 2. SSE 2. & 1.	61 72 78	From before 1 to 2 am, rain lightning & thunder. Very hot & bright after 7 am, & continued all day. Thunder in West at 3 pm. Close evening, some clouds.	Sharp thunder starts till 2 AM.	.52
W. 7.	-91	SW 2. SW 2. SW 2. & 1.	61 69 75	Hot morn'g, with clouds and sun, and continued chiefly bright all day, & very hot, with cumuli. Fine clear sunset, and rosy tint.		
420.34		404.5145		Mean Temp 65.6. — Rain 0.87		
		918.5		2½° above Average.		

August 1878.

August.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather &c.	Notes.	Rain. 0.87
Th. 8.	30.12	SW 2. WSW 2. WSW 1. W 0.	58½ 70 74½	Very bright and hot, with some clouds, & pleasant breeze. more clouds about noon, but again brighter P.M. Calm, bright, and lovely evening. — Fog in the night.		
Fr. 9.	-25	SW ½. SSE 1. SE 1.	55 72 76	Fog early, then very hot and bright, with some rocky electric cumuli. Very bright and tranquil evening. Close night.		
Sat. 10.	29.96	SE 1. SE 2. S 1. & 0.	61½ 69 70	Sultry & a mottled sky, dark clouds electric, & threatening. Rain at times in the afternoon, and till after 5. then fine & clearer.		.15
Su. 11.	-88	W 4. W 3-2. SW 1. S 1.	54 67 72	Bright breezy morn'g; continued bright & wind less, with some cumuli, and very warm pleasant day. Evens cloudy and thick.		
Mo. 12.	-75	S 3. S 3. SSW 3. W 1.	60 63 70	Cloudy warm & squally morn'g, with light rain at times. Bright pm, but very severe thunder-storms N, and S. & shower here at 5½ pm. moon & eclipse		.08 .06 .08
Tu. 13.	-79	SW 2. SW 4. SSW 2. & 3.	56 63 67	Hazy & cloudy but became partly bright, & brisk wind. A drifting shower at 3 pm. Cloudy night & rain set in near midnight.	Full moon 0.16 am Harvest moon.	.02
W. 14.	-43	SW 3. WSW 5. W 3. W 1.	60 65 69	Hard rain till after 4 AM. & very sultry morn'g, then blustering with clouds & sun, & some flying showers. Fine sunny evng.	Distant thunder.	.46 .70
418.48		405.4985		Mean Temp 64.53. — Rain 1.82		
		903.5		1½° above Average.		

August 1878.

August.	Baro. meter	Wind.	Thermom. Min. 9 Max.	Weather, &c.	Notes.	Rain. 1.82
Th. 15.	29.76 -72	SW ₁ SW ₂ SW ₁	57 1/2 65 71	Clouds, and sun, warm morn'g, electric mixed clouds, but the afternoon chiefly bright, and hot; but a stormy sky after 6 pm, and unsettled night.		
Fr. 16.	-63 -60	S ₁ SSE ₂ SW ₂ W ₁	57 67 68 1/2	Showers between 2 & 5 am. sultry morn'g, showery day and very heavy at 3 pm. with thunder. Thinner evening, but hazy; and rain at times during the night.	much thunder elsewhere	72 34
Sat. 17.	-82 30.06	W ₅ W ₆ W ₄ 3.2.	52 1/2 62 65 1/2	Fusty & showery early am, very windy morn'g, flying clouds, and sun. Chiefly bright most of the day, with cumuli clouds, and a sunny evening, & less wind.		22
Su. 18.	-14 -13	SW ₁ SW ₂ SW ₀	56 67 73	Slight clouds & bright, & pleasant morn'g. Bright & hot day, with small electric cumuli. Calm, bright, and lovely evening, but hazy.		
M. 19.	-03 -03	E ₁ E ₂ E ₂ NE ₂	54 67 73	Great fog till after 7 am, then bright with electric cumuli, and hot till noon, afterwards cooler & more clouds. Clear sunset, and the twilight strong.		
Tu. 20.	-07 -11	NE ₂ NE ₁ NE ₁	51 1/2 63 67 1/2	Bright with some clouds, very fine and pleasant, some feathery cirri above the cumuli. Calm, cool, and dewy evening.		
W. 21.	-15 -16	NE ₀ E ₁ ESE ₁	47 64 69	Dewy, cool morn'g, but moon last & bright, and a fine one 4.8 am. bright day, with cumuli clouds. Evening rather more hazy.		
419.41 37.55 48.75 Mean Temp 61° 64. Rain cald up 2.50						

863 = Nearly 1 1/2° under Average.

August 1878.

August.	Baro. meter	Wind.	Thermom. Min. 9 Max.	Weather, &c.	Notes.	Rain. 2.50
Th. 22.	30.12 -04	ESE ₂ E ₃ E ₂ & 3.	51 64 67	Hazy & many clouds, but a fine & rather close morn'g, partially bright in the day, but hazy, and the evening much more so.		
Fr. 23.	29.80 -72	E ₂ E ₂ E ₁	59 61 62	Overcast, & gentle rain from 5 AM, with intermissions all the morn'g, but more rain at times p.m. Thinner evening, & a blue haze. Close night, and some fog.	5 H.O	27
Sat. 24.	-62 -62	NE ₁ E ₂ E ₀	56 67 72	Fog till near 9, then hot, & partly bright, with rocky clouds in beautiful forms, and the same all day. Close & calm night.	(Distant thunder)	
Su. 25.	-65 -69	Var. W ₂ W ₁ SSW ₂	60 65 71	Sultry & foggy morn'g; bright, warm & pleasant day, with light cumuli clouds, till 5 1/2 pm, then sudden shower with thunder. Fine night.		73
M. 26.	-69 -70	Var. SW ₁ SE ₁	54 67 71	Fog early, then bright from 8 am, hot forenoon, but the afternoon hazy & sultry. Evening clearer, and the night calm & close.		
Tu. 27.	-81 -82	SW ₁ SW ₂ SW ₁	58 64 69 1/2	Bright till 7 am, then clouds & sun, showery at noon, then again bright, with light electric clouds, and a fine night.		14
W. 28.	-84 -88	SW ₂ SW ₂ W ₁	58 66 71 1/2	Bright with flying clouds, new moon and hot till 1 pm, afterwards heavy showers. Electric clouds in the evening, but a fine night.	here moon 6 am.	26
417.00 39.64 48.4 Mean Temp 62° 85. Rain cald over 3.30						

880 = About the Average as recently corrected.

August 1878.

August	Baro meter	Wind	Thermom. 9 am	Thermom. Max	Weather, &c.	Notes.	Rain
Th 29.	29.88	SE 2.	57		Much thunder S, SE, & NW to SW all the morning, at a distance short shower at noon, then cloudy. Even in part clearer and the wind ceased, but a stormy sky after 12.	06	3.30
	-69	SE 3.		65			
		SE 3.		68			
Fr. 30.	-43	SSE 3.	5 1/2		Rainy & squally morning from 5 to 9; then wind veered, but very blustering & showery with thunder at a distance. (Thunder. Finer even, close night.	16	
	-68	S 6.		62			
		SW 6.4		6 1/2			
		SW 2.					
Sat. 31.	-71	SW 2.	58		Cloudy and close morning. Clouds & little sun in the day, and very breezy all pm, and part of the night.		
	-90	SW 2.		61			
		W 3.		65			
178.29			172.5	200.5	Mean of last 3 days 62.16.	Rain 3.52	

Barometer.

Highest on the 1st — 30.43
 Lowest on the 14th & 30th — 29.43
 Range — 1.00
 Mean of the Month 29.89

Gales on 3 days.

Prevailing winds the SW, East, and SE.

Thermometer.

Highest on the 5th & 6th — 78°
 Lowest on 21st AM — 47°
 Range — 31°
 Mean daily range 13.93.
 Mean of the Month 63.51.

Full 1° above Average.

Fine days 16 in number.
 Rain-fall 3.52 Inches.

This was a changeable month, but very warm, and as nearly all the nights proved warmer than usual, the mean of the month was high, and from that alone. Much Thunder on 6th, 12th, 16th, and 29th with us, and in London and the SW counties on 23rd and 24th, and on 29th in Sussex, Kent, and London.

September 1878.

Sept.	Baro. meter	Wind.	Thermom. 9 am	Weather, &c.	Notes.	Rain.
Su. 1.	30.02 -17	NW ₃ NW ₂ NW ₁	57 60 64	Very breezy, cloudy & little rain in the morning, finer & clearer after 10, but mostly cloudy, with gleams of sun. — Blue haze in the Evening		.03
Mo. 2.	-33 -36	NW ₁ W ₁ W ₁ SW ₀	54 63 65	Clouds & sun, clearer after 9, for a while bright, but afterwards clouds & sun as before. Grey clouds in the evening, & calm. —		
Tu. 3.	-34 -32	SW ₂ W ₂ WSW ₁ 0.	51 64 71	Fog early, but after 6 am, moon 1 st Dr. bright with light clouds, 8.26 pm. very bright & hot in the afternoon, & splendid evening. —		
We. 4.	-30 -22	SSE ₁ SSE ₁ SE ₀	54 65 73	Fog early, but from 6 am bright, and became very hot from 10 am till noon, then hazy. Calm & sultry evening, and night. —		
Th. 5.	-12 -12	SE ₂ SE ₂ S ₂	59½ 70 75	Fog early, bright after 7, and very hot, with dappled sky. More hazy & thick after 1 pm. a short light shower 3 pm then again partly bright.		.01
Fr. 6.	-17 -28	W ₂ W ₁ SW ₀ S ₀	58½ 68 74	Great fog till 7 am, then bright & very hot, so continued all the day. Sun set clear, and red. Splendid evening. —		
Sat. 7.	-23 -22	SE ₀ SW ₀ SW ₀	53 68 72½	Fog early, very bright, and hot from 8 am all day, calm, & scarcely a cloud. Evening hazy, and a very close night, but very fine. —	♂ ♀ ♂	
423.15			387.4945	Mean Temp 62.96.	Rain cast over	.04
			881.5	= Nearly 3° above Average.		

September 1878.

Sept.	Baro meter	Wind.	Thermom.		Weather, &c.	Notes	Rain
			Min.	9. Max. am			
Su. 8.	30.19	SE 1. SE ½ Var 0	58 62 65		Foggy and sultry morn'g, rain at 9 AM, & at noon. much thunder in E. all pm. and in the evening near us with some rain. Fine night after 9. moon bright.	Thunder 15 11	0.04
M. 9.	30.13 -15	W 1. W 2. W 1.	55 61 68		Fog all the morn'g, then chiefly bright till after 12. Afterwards more cloudy, but a clearer even'g, & very pleasant.		
Tu. 10.	30.24 -38	Var 0. NE 1. NE 1.	51 61 66		Bright with light clouds, fine & pleasant. autumnal weather, clear, and moon bright all evening & night.		
W. 11.	30.38 -32	E 1. SE 1. SE 1.	46 65 70		Bright morn'g, and Full moon very bright day, and 3.49 pm. the afternoon hot, with few clouds. Even'g also bright & moon splendid.		
Th. 12.	30.20 -12	W 0. W 4. NW 5. 4.3.	52 64 68		Bright and warm till noon, then heavy clouds & squally till near 3 pm. little rain, unsettled the rest of the day.		03
Fr. 13.	30.19 -15	NW 2. NW 1. N ½.	48 58 64		Bright, with light clouds, and cooler breeze. Very bright afternoon, very little wind, and a dappled sky. Very fine night.		
Sat. 14.	30.12 -14	W 1. WSW 1. WSW 1. SW ½.	46 58 67½		Bright with dappled clouds, warm, calm, & very pleasant day. Close & sultry even'g, and somewhat hazy.		
42283			3564685		Mean Temp 58.89.		Mean rain up 0.33

824.5 = Near the Average.

September 1878.

Sept.	Baro meter	Wind	Thermom Min. 9. Max.	Weather, &c.	Notes	Rain.
Su. 15.	30.02 29.65	SW ₂ SW ₂ 3. 4. S ₅ SW ₆	56 62 68	Bright morn'g, warm breeze some flying clouds after 8 AM. and blustering wind, but bright till 2 pm: afterwards cloudy, and very stormy night, galy showers 11 pm.		0.33 13
M. 16.	30.75 30.04	SW ₃ W ₆ WNW ₆ W _{3.2}	50 58 62	Heavy gales from 8 am, all the forenoon & till 2 pm, then slowly abating, but bright most of the day. Much less wind in the evening & night.	Strong Gales.	
Tu. 17.	30.06 30.01	SW ₂ SW ₅ SW ₃	51 62½ 67	Bright morn'g, light clouds and warm. More wind, & clouds after 11 AM. Warm but a blustering & cloudy afternoon. Sultry night and clouds at times.		
W. 18.	29.75 29.83	SW ₃ SW ₂ W ₂	61 63½ 63½	Sultry breeze & cloudy mor- ning, little rain from 8 to 9 am, and squally showers at noon. Finer & clearer after 4 pm. —	☐ ♂ ☉	15
Th. 19.	30.92 30.95	W ₂ W ₃ W ₂	46 53 61	Bright with flying clouds, and a very cool wind. Fine evening but the night unsettled	moon last dr. 6.30 pm.	
Fr. 20.	30.90 30.14	W ₂ NW ₂ WNW ₁ N ₁	45 50 58½	Some rain early, and rather foggy afterwards, but became bright at 9 AM, & a bright day, cool air, & some cumuli clouds. Clear & colder night.		04
Sat. 21.	30.23 30.24	NW ₁ W ₂ SW ₂ Var. ½	39 52 59½	Clear & chilling morn'g, con- tinued chiefly bright, with cumuli clouds, very fine but cool, and wind in many points. —		
41949		3484395		Mean Temp 56.25. —		Rain cal over 0.65

787.5 = 1° below Average.

September 1878.

Sept.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather, &c.	Notes.	Rain 0.65
Su. 22.	30.13	SE 1. SE 2. SSE 2. S 2.	41 55 58	Hazy, light. clouds & sun in the morn'g, more clouds in the afternoon, thick, and threatening, and some dark electric clouds in the even'g.	8.50	
M. 23.	-63 -65	SW 1. W 1. W 2. Var. 0.	52 53 57	Gentle rain at 2 AM. Close morn'g, but cooler afterwards, cloudy till noon, brighter afternoon, calm & pleasant, sunset on small electric clouds edge with gold colour.		10
Tu. 24.	-70 -81	W 2. W 2. SW 2. & 1.	42 50 55	Foggy all the morn'g, blue haze about noon, cloudy and gloomy PM. Rain at 4 pm, then a clearer evening and fine night.		05
W. 25.	-86 -76	SW 1. S 1. S 2. S 2.	44 53 57	Bright morn'g, but soon more hazy with mottled clouds. Rain after 2 pm a short time & again in the evening from 8 to 9 pm.	6.8.9	12
Th. 26.	-98 30.13	W 1. W 1. SW 0.	41 52 58	Bright morn'g, and con-moon. turned chiefly so all day 2.10 pm. with cumuli clouds. Clear sunset, and a fine clear night.		
Fr. 27.	-74 -17	W 1. SW 2. SW 2. & 1.	45 55 60	Bright with dappled clouds in the morn'g, more hazy & cloudy at noon, and close and hazy PM. Clearer after 4 pm. Fine night.		
Sat. 28.	-20 -15	SW 1. SW 1. SW 1.	50 57 66	Fog & close morn'g, some light rain at 10 am, clear from 11 am, very warm, and partly bright PM. Soft and pleasant. Even'g, and close night.		02
419.20			315.411	Mean Temp 51.85.	Rain cald up	0.94
726 = 7° below Average.						

September 1878.

Sept.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather, &c.	Notes.	Rain. 0.94
Su. 29.	30.13 -06	W 0. W 0. SW 1. 2.	51 59	Very close & foggy morn'g clearer from 10 am, till noon, and very warm, blue haze, & darker pm. More wind in the night, very warm and electric.		
M. 30.	29.81 -74	S 2. SW 2. W 4.5. W 5. 4.3.	56 58 59	Dark clouds & thunder from 7 am, with lightning & rain till after 8, then fine till 12, but a squally afternoon, and evening, and fine night wind abating.	Thunder storm a.m.	14 05
119.74			107.1223	Mean Temp last 2 days 57.37.	Rain	1.13

Barometer
Highest on the 11th 30.38.
Lowest on the 23rd 29.63.
Range 0.75
Mean of Month 30.07
Gales on 4 Days.

Thermometer
Highest on the 5th 75°
Lowest on 21st am 39°
Range 36°
Mean daily range 14.1
Mean of month 57.48
About 1 1/2 below Average.

Prevailing winds West,
SW, and SE.

Fine days 20 in number.
Rainfall 1.13 Inch.

This was a variable month, with but little amount of rain, and some very warm days in the former half, then unsettled and at times squally to the end, but the 28th & 29th were calm and sultry followed by thunder on 30th. Great prevalence of thunder on Sunday the 8th in many places.

October 1878.

Oct. meter	Baro	Wind	Thermom. Min. 9. Max.	Weather, &c.	Notes.	Rain.
Tu. 1.	30.11 -16	NW ₁ NW ₁ NE ₁	48 53 55	clouds and sun in the morning, but chiefly cloudy from 10 am. all day, and a rainy evening & part of the night.		28
W. 2.	-37 -43	SW ₀ S ₁ S ₁ SSE ₁	3 1/2 50 57	Clear & frosty morning, continued bright & much warmer as the day opened, and a pleasant day. The evening fine with few clouds.		
Th. 3.	-30 -29	S ₁ SW ₂ SW ₂ & 1.	48 1/2 57 63	Warm & little hazy morning moon 1 st Dr. bright after 8 with some clouds, very warm, and pleasant. Hazy streaks across the west in the evening. Very fine night.		
Fr. 4.	-28 -25	SW ₁ S ₂ S ₂ & 1.	49 58 64	Fog early, then bright and very warm from 7 am, all the day, a few small dappled clouds only. More hazy evening, but fine.		
Sat. 5.	-24 -19	SSE ₁ SSE ₂ SSE ₁	48 60 69	Very bright, warm, and lovely morning. Continued bright and hot for the season all day. The evening hazy and sultry.		
Su. 6.	-03 29.88	SE ₂ SE ₂ SE ₂	55 61 68	Close & hazy morning, became brighter at times after 10 am. and till noon, then hazy & cloudy, but very warm and a hazy & sultry night.		
M. 7.	-73 -73	S ₂ SSW ₂ S ₃	58 62 66	Rain at times early AM, & sultry morning. Clearer after 8, bright day, and very warm. Moon bright all the evening.	29	
421.99		344.442		Mean Temp 56°.14. -		Rain cald up 0.57
		786		= 4° above Average.		

October 1878.

Oct. meter	Baro	Wind	Thermom. Min. 9. Max.	Weather, &c.	Notes.	Rain.
Tu. 8.	29.62 -70	S ₃ S ₄ SSW ₂ S ₂	57 61 65	Brisk wind, clouds, and sun; less wind PM, and very warm, bright, and pleasant: and a bright moonlight evening.		0.57
W. 9.	-81 -66	S ₂ S ₄ S ₅	52 59 64	Very bright morning, and very warm & sunny till 1 pm, then cloudy and blustering at times all evening & night.		02
Th. 10.	-48 -64	S ₄ S ₄ S ₂	56 58 63	Thunder before 1 am, squally morning, but warm, and partly bright. - Little flying showers pm. Fine evening & night, and chiefly clear.	Thunder early am.	03
Fr. 11.	-84 30.16	SW ₄ W ₃ W ₃ WSW ₃	51 54 58 1/2	Bright, with flying clouds and brisk wind, a very drying day, but cooler. Clear moonlight, and breezy evening.	Full moon 8.54 am.	
Sat. 12.	-26 -42	W ₂ W ₂₋₁ W ₂	46 53 58	Mostly bright, with cumuli clouds, and a fresh breeze, pleasant & drying air. Clear & calm moonlight evening.	6 & 8	
Su. 13.	-42 -43	SW ₀ S ₂ S ₁ & 0.	38 50 60	Calm, clear & dewy morning continued very bright and much warmer, pleasant & lovely Autumnal day. Bright moon evening and night, & quite calm.		
M. 14.	-32 -29	SE ₀ SE ₂ SE ₃	42 55 59	Very bright, with a parching breeze, and scarcely a cloud, but the wind counteracted the solar power.		
420.05		342.4275		Mean Temp 54°.96. -		Rain cald over 0.62
		769.5		= Nearly 3° above Average.		

October 1878.

Oct.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather, &c.	Notes.	Rain. 0.62
Tu. 15.	30.12	E 1. E 2. E 2. 8 1.	47 54 56	Grey clouds, and scarcely a gleam of sun, with a drying breeze, nearly the same all the day, and the night cloudy but wind gone.		
W. 16.	-18	E 0. SE 1/2. SE 1/2. SE 1/2.	5 1/2 56 60	Calm, mild, & cloudy morn'g, and continued very close calm & warm. Gloomy from 4 pm, and slight rain, at times in the evening.		01
Th. 17.	-13	Var. 0. E 1/2. SE 0. SE 0.	51 55 60	Close, calm, and rather foggy morn'g, clearer after 10, partly bright, very warm & pleasant. Even'g close & some fog.		
Fr. 18.	-05	E 1. E 2.3 E 3. 8 2.	47 55 57 1/2	Hazy clouds, & some sun. More wind & clouds in the afternoon. Warm breezy night, & cloudy but fine.		
Sat. 19.	-92	E 2. E 2. E 1.	50 1/2 55 57 1/2	Electric clouds, & rather moon last 2. close & hazy morning, 7.10 AM. clouds with little sun PM. Pleasant for the season. Close night, distant lightning		
Su. 20.	-93	SW 0. SE 1. SE 1. 8 0.	51 56 59	Calm & close morn'g, and till after 2 pm, then gentle rain about 3 pm, a short time. Close and thick evening & night but fine.		02
M. 21.	-71	SE 1. S 1.2 S 2.	50 55 61	Foggy and close morn'g & 8 till 10, then partly bright, & very warm. More wind at evening, but a sultry air, and very thick.		
419.68		348 412		Mean Temp 54.28.	Rain cal up	0.65

760 = 24° above Average.

October 1878.

Oct.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather	Notes.	Rain. 0.65
Tu. 22.	29.87	SW 2. SW 1. SW 0.	48 1/2 50 54	Heavy showers 4.45 AM. then fine, and after 9 partly bright with light clouds. Thunder at a distance. Evening chiefly clear.	□ 40	35
W. 23.	-60	W 2. W 3. W 1. SW 2.	41 46 53	Cool & partly clear morn'g afterwards clouds & sun with brisk wind. Very drying but colder. Clear evening, wind veered.		
Th. 24.	-62	S 2.3 S 6. W 7. W 2.	43 1/2 50 58	Cloudy & rain at 8 am. very stormy wind, rain at times, coarse day. but finer & clearer after 3 pm, & fine night.	Strong gale.	23
Fr. 25.	-42	SW 2. SW 2. S 1.	42 47 53 1/2	Bright with very few clouds, drying day but 10.58 pm cooler. Stormy clouds on W. horizon at sunset. but a fine evening.	new moon (Distant Thunder)	
Sat. 26.	-24	SSE 2. S 1. W 4. 3.2.	43 48 52	Rain at 6 & 7 am, cloudy all the forenoon, but mostly fine. Dark with a thunder shower at 1.15 pm. Squally afternoon & evening.	(Thunder PM)	28
Su. 27.	-57	SW 1. SW 2. W 2. 8 1.	35 44 51	Clear, little hoar-frost early, bright till near 2 pm, then some clouds, afterwards again bright, with a cool air all day. Evening unsettled.		
M. 28.	-77	SW 2. SW 3. W 4. 8 5.	38 45 49 1/2	Bright till near 10 am, then cloudy & more wind. till noon. Again clearer in the afternoon, but squally showers at intervals, and an unsettled evening.	Lightning 8 pm	02 03
413.06		291 371		Mean Temp 47.28.	Rain cal over	1.56

662 = 4 3/4° below Average.

October 1878.

Oct.	Baro. meter	Wind.	Thermom. Min. 9. Max.	Weather, &c.	Notes.	Rain. 1.56
Tu. 29.	29.78	NW 4. NW 4. W 1.	39 41 45	Blustering with clouds and sun, but the afternoon chiefly bright, and very cold wind, but the evening near- ly calm, & frosty night.		
W. 30.	-77	SW 1. W 1. W 0.	30 1/2 36 41	Frost early. Hazy little snow AM. Snow at 7 & 8 am. Gloomy and cold day, but rather clearer after 4 pm, but a short heavy shower 9 pm.		.03
Th. 31.	-87	W 1. W 1. W 1.	30 35 43	Grey frost & fog AM. Bright at 11 & 12, cloudy afternoon rather milder, and some rain in the evening, about 8. Finner night.		.02
178.90		99.5/29		Mean Temp 3 days 38° — Rain 1.61		

Barometer.

Highest on 2nd & 13th = 30.43

Lowest on 24th = 29.21

Range 1.22

Mean of month 29.89

Gales on 3 days. —

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

Thermometer.

Highest on the 5th — 69° —

Lowest on 31st am 30° —

Range 39° —

Mean daily range 11.54

Mean of month 52.03

About the true Average.

Fine days 21 in number.

Rainfall 1.61 Inch.

This month was very fine, warm and pleasant
up to the 22nd, then showery with frequent thunder
to the 28th, afterwards cold to the end. The foliage
was late in beginning to fall; Ashes and Poplars
nearly stripped after the 23rd, assisted by the gale
of the 24th; all other trees but little affected even
at the close of the month, whereas last year,
nearly all the trees were bare at this period.

November 1878.

Nov.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Weather &c.	Notes.	Rain.
Fr. 1.	30.02	W 1. W 2.3. W 1. WNW 2.	38 42 48	Foggy & cloudy and a little rain early AM. Bright mild & plea- sant afternoon. Elec- tric clouds from 3 pm.	moon 1 st 2 nd 9.51 pm.	.03
Sat. 2.	-05	NW 2. NW 2. NW 1. & 2.	35 1/2 37 48 1/2	Unsettled with little showers & fine inter- vals with bright sun. The clouds very rocky as in summer. Clear moon-light evening.	Lightning all the evening.	.04
Su. 3.	-22	NW 3. NW 2. N 2.	34 37 47	Clouds & sun, bleak air in the morn'g. Sudden showers in the after- noon, and sun at times and some in the evening.		.11
M. 4.	29.88	W 2. W 2. W 3.	35 1/2 38 41	Overcast & rather foggy all the morn'g. Clearer from 10 till 12, but a very rainy afternoon, and evening, then finer in the night.		.28
Tu. 5.	-85	WNW 2. NW 2. N 2. 3. 4.	36 39 45	Clouds & sun, with some distant showers, the afternoon chiefly bright, with rocky cumuli. Stormy evening, little showers.		.05
W. 6.	-62	NW 4. NW 3. WNW 2.	35 37 42	Bleak blustering wind, bright from 8 to 10 am, af- terwards cloudy & squally showers, less wind in the evening. Clearer after 8 pm, and part of night.		.03
Th. 7.	-71	W 4. W 4. WNW 3. & 2.	36 38 45	Clouds & sun, rather blustering morn'g, little flying showers, with gusty wind, & bright intervals all day. Moon bright till 11 pm.		.04
418.91		250.3165		Mean Temp - 40° 46. Rain can over 0.58		
		566		= 1 1/2° below Average.		

November 1878.

Nov.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Weather &c.	Notes	Rain 0.58.
Fr. 8.	29.66	S 2. S 2. W 3.4 NW 8.	33½ 39 43	Overcast & rain early AM: stormy & cold, and wind veered after 1 pm. Dark & rain at times in heavy storms afternoon and evening. Hurricane 11 pm (Awful wind 11 pm)		65
Sat. 9.	30.06	NW 4. NW 4. W 2. & 1.	30 33 43	Clear & freezing morning, continued bright, with keen wind, but much abated to a common breeze in the day. Stormy night & a change after 11 pm.		
Su. 10.	29.62	S 5. SW 4. SW 3. W 3.	35 47 50	Blustering & rain early AM, but milder air, much rain again from 11 AM till 5 pm, and stormy showers in the evening. Night fine.	Full moon 2.34 AM.	36 67
M. 11.	30.52	W 2. W 3. W 2. SW 3.	37½ 39 44	Bright morning, but rather hazy after 11, with some light clouds. Again very bright after 2 pm. Some clouds after sunset. Stormy in the night.		
Tu. 12.	30.50	SW 3. SW 3. W 1. W 1.	32 33 37	Rain & snow early AM and overcast with snow from 9 to 11 am, then fine but cloudy, yet clear in the South. Fine night. overcast & thick.		72
W. 13.	30.56	W 1. NW 1. NW 1. Var ½.	31 36 42	Overcast & thick, little frost AM. Dark with rain at times from 11 AM. Damp and thick evening, & nearly calm. Cloudy but fine night.		74
Th. 14.	30.62	N 2. NNE 3. N 2. & 3.	38 46 47	Cloudy morning, much thunder in S. at 9 AM. Dark & very rainy the rest of the day, and at times in the night.		38
415.00		237 306		Mean Temp 38° 78.		Rain cald up 2.90
		543		= 4¼ below Average.		

November 1878.

Nov.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Weather &c.	Notes	Rain. 2.90
Fr. 15.	29.37	NW 2. NW 4. NNW 6.	38 42 43	Very rainy from early in the morning, more or less all day, & at times hard & drifting with gusty wind, but finer after 10 pm.	Extremely wet and stormy.	1.72
Sat. 16.	30.25	NW 4. NW 3. NW 2. & 3.	37½ 42 43½	Squally wind & little flying showers. Cloudy all day, but wind abated, and rather finer. Evening again showery.	valleys flooded.	73
Su. 17.	30.58	NW 2. NW 3. W 2. W 3.	39 41 46	Cloudy morning, bright at noon, but very showery 5.58 pm. in the afternoon, and from 4 pm heavy rain in frequent storms during evening.	Moon last Dr.	58
M. 18.	30.95	NE 1. NE 1. NE 1. & 0.	39 40 47½	Bright morning, and till near noon, with some rocky clouds, but the afternoon unsettled & little showers, & in the evening also. Fine clear night. after 8 pm	renewed floods.	71
Tu. 19.	30.45	NE 0. NE ½. NE 0.	34 37 47	Clear & calm morning very bright all the day with a few cumuli clouds. Sun set clear, and the evening & chiefly clear.		
W. 20.	30.50	NE 0. NE 1. N 1. & 0.	33 42 44	Grey lofty clouds, calm, & mild morning; cloudy all day, more wind, & colder pm. Very fine, cloudy & calm night.		
Th. 21.	30.23	NE 0. NE 1. NE 2. & 1.	36 40 45	Grey clouds & calm morning, continued cloudy with a little breeze, but in the afternoon at times bright. A red & dappled sun set.		
418.91		256.5 316		Mean Temp 40° 89.		Rain cald over 4.84
		572.5		= 1½° below Average.		

November 1878.

Nov.	Baro. meter	Wind	Thermom. Min 8 Max	Weather &c.	Notes	Rain. 4.84
Fr. 22.	30.12 -10	NE 0. Var. 1/2. SSW 1. SW 1.	36 39 43	Grey cloudiness, but a very fine & calm morning. Little sun after 11, but mostly cloudy. Evening & night calm & cloudy.		
Sat. 23.	-11 -04	W 0. W 1. SW 2. 81.	35 37 41	Cloudy and calm morning, clearer after 9 am, and chiefly bright, but a cold air. The night very thick and overcast, but fine.		
Su. 24.	29.77 -60	S 2. SSE 2. SE 2. SE 3.	35 41 45	Overcast, foggy & little rain at times after 8 a.m. Dark & foggy day, little wet, cold in the evening more wind.	new moon 9.11 AM.	03
M. 25.	-50 -61	S 2. SW 3. W 2. W 3.	45 51 53	Cloudy, very warm, and dripping morning; finer after 9, & a little sun at intervals, & brighter after 2 pm & till 4, then cloudy and thick all night.		15
Tu. 26.	-61 -66	W 2. W 1. NW 1.	39 42 43	Foggy & thick. Little rain at times in the morning, finer in the day, but dark and foggy. Evening rainy more or less.	☐ H ☉	70
W. 27.	-57 -50	NW 2. NW 3. N 2. 3. 4.	39 42 45	Overcast and very wet morning, and a thick, dark, and rainy day, with some intermission, but harder in the evening.		37 26
Th. 28.	-61 -80	NE 5. NE 5. NE 3. 8. 2.	40 42 43	Cloudy, and a boisterous & cold wind all the day. Some rain at evening, and less wind, but fine after 9 pm.	Floods reversed in the valleys.	06
416.60 269.3135 Mean Temp 41.6. Rain cald up. 5.81						
582.5 = Rather below Average.						

November 1878.

Nov.	Baro. meter	Wind	Thermom. Min 8 Max	Weather &c.	Notes	Rain. 5.81
Fr. 29.	29.92 30.01	NW 2. NW 1. N 0.	32 34 40	Clear, little frosty early AM, bright till 10 AM, then hazy, & little snow, but again fine & bright the rest of the day. Clear & frosty evening.		
Sat. 30.	-04 -07	W 0. W 1. NW 1. 80.	27 1/2 30 3 1/2	Clear & keen frost in the morning, continued bright all the day. A few light clouds PM. Evening and night partly clear & frosty.		
120.04 59.5 77 1/2 Mean last 2 Days - 34.25. Total rain - 5.81						

Barometer.

Highest on the 19th 30.51.

Lowest on the 15th 29.17.

Range = 1.34

Mean of Month 29.82.

Gales on 3 days.

Thermometer.

Highest on the 25th - 53°

Lowest on 30th am - 27.5°

Range = 25.5°

Mean daily range 8.55°

Mean of month 40.01°

About 2° below Average.

Prevalent winds NW, and West.

Fine days 9 in number.

Rain-fall 5.81 Inches!

This month was remarkably wet and stormy. Excepting from 18th to 23rd it was almost continuous rain, and from the 8th to the 17th the rain-falls were excessive, ending with floods in some places, and after the few fine days to the 23rd wet and unsettled came on again to the 28th, the month ending fine and frosty.

December 1878.

Dec.	Baro. meters	Wind.	Thermom. min 8 max	Weather &c.	Notes	Rain.
Su. 1.	29.84	SW ₂	31	Overcast & some sleet moon 1 st 2 nd		
		S ₂	34	after 8 am, then snow 4.38 pm.		
	-86	SSE ₂	37	& rain at times. Very thick & gloomy. Night fine & calm but cloudy.		07
M. 2.	30.03	Var. 0	34	Cloudy & calm morning.		
		NW ₁	36	More or less cloudy all the day, with a little more wind. Rain at times from 4 pm.		05
	-03	NW ₁	40			
Tu. 3.	-17	NE ₁	31	Rain at 5 AM. Sleet & frost at 7, then bright most of the day, & few light clouds. Hazy evening, but a fine night.		09
	-27	NE ₁	40			
W. 4.	-23	NW ₂	35	Cloudy more or less, and slight rain at intervals, gloomy and unpleasant. Cloudy even, but fine.		03
	-21	NW ₂	37			
		NW ₃	43			
Th. 5.	-11	NW ₁	32	Hazy but soon clear, & bright with a keen air till 11, then foggy all PM, and very rainy at times. Fair night.	♂ ♀	13
	-02	NW ₂	34			
		NW ₂	40			
Fr. 6.	-04	NW ₃	31½	Snow early AM, then bright with clouds, and very keen wind. Hazy and unsettled evening. Snow again 9 pm.		0
	29.96	NW ₄	33			
		WSW ₃	35½			
Sat. 7.	-73	W ₂	31½	Cloudy, and foggy more or less. Gloomy, raw, and cheerless. Evening thick and foggy.		
		W ₂	34			
	-70	W ₁	38			
420.30			2262733	Mean Temp 35° 67. Rain 0.37		

499.5 = 3½° below Average very nearly.

December 1878.

Dec.	Baro. meters	Wind.	Thermom. min 8 max	Weather &c.	Notes	Rain.
Su. 8.	29.60	W ₂	31½	Cloudy & raw till 11 AM, bright afternoon, with a frosty air, and the evening clear & frost.		0.37
		NW ₂	33			
	-66	NW ₁	36	More hazy in the night		
M. 9.	-70	NW ₁	28½	Frost & hazy morning, freezing all day, with clouds and sun, and keen wind. Evening clear and more frost.	Full moon 7.50 pm.	
		NW ₂	32			
	-77	NW ₀	33			
Tu. 10.	-85	W ₀	24	Hard frost & thick rime the sun at times visible through the fog. Froze all day & more fog after 2 pm. Evening thick fog & frost continued.		
	-87	NW ₁	24			
		N½	29			
W. 11.	-90	W ₁	25	Gentle snow, & less frost clearer & partly bright in the afternoon. Evening rather hazy, but continued frost.		
		W ₁	31			
	-88	W ₀	35			
Th. 12.	-87	NW ₁	25	Hard frost, fog, & rime, the same all the day, & thicker fog in the afternoon. Evening nearly the same. Clearer night.		
		NW ₁	27			
	-80	NW ₁	29			
Fr. 13.	-75	Var. 0	18½	Severe frost & clear upward. Calm, and beautiful rime glittering in the sun on the trees, &c. Severe night. Fog below, but clear above. 7 pm 21°.		
		NW ₀	19			
	-76	Var. 0	29½			
Sat. 14.	-72	SE ₀	17½	Severe frost & fog, little snow, & brighter in intervals. Snow at times in the evening. Wind veered & rose after 8 pm.		
		NE ₀	21			
	-69	NE ₀	33			
		NW ₃	1702245	Mean Temp 28° 17. Rain 0.37		
416.82			1702245	Mean Temp 28° 17. Rain 0.37		

394.5 = 10¼° below Average.

December 1878.

Dec.	Baro. meter	Wind.	Thermom. Min 8 Max	Weather &c.	Notes	Rain 0.37
Su. 15.	29.70 -68	W ₃ W ₃ SW ₂ SW ₂	17 26 33	Severe frost, then fog, & more wind after 7 am, cloudy with some sun afterwards. Some snow at 4 pm, slight thaw, but freeze again.	Snow.	⊕
M. 16.	-60 -38	SE ₁ Var. W ₀ W ₀	23 24 31	Fog and hard frost all day, the fog very dense & mostly calm. Snow after 2 pm. Thick & foggy evening. Severe night.	Snow.	⊕
Tu. 17.	-53 -54	NW ₁ NW ₂ NW ₀	21 23 32	Severe rime frost, moon last day, very thick rime all day, & little sleet at times. Clear, calm & more severe evening, but wind rose 7 pm.	3.3 AM.	
W. 18.	-50 -35	SW ₂ WSW ₂ SW ₂ & 3.	23½ 28 37	Unsettled & some abatement of frost. Heavy snow in forenoon, then bright and thawing, but freezing in the evening, and night.	□ 70	⊕
Th. 19.	-22 -27	W ₃ W ₃ WNW ₃ 2.4.1.	27 30 3½	Frost left, but a stormy sky, clouds and sun, wind brisk, and gentle thaw in the afternoon, but very dark. Frosty evening.		
Fr. 20.	-58 -65	W ₁ W ₀ W ₀	22 24 28½	Sharp frost, and very dense fog, all day alike, and the evening and night the same, in all respects.		
Sat. 21.	-82 -82	W _½ WSW ₂ W ₂ NW ₁	20 23 31	Severe rime frost early, foggy all day more or less, little snow at times, & continued frost. Clear at 10 set.		
413.84			1535 230	Mean Temp 27.39! Rain cal. up 0.37		
			3835	1½ below the recently corrected Average.		

December 1878.

Dec.	Baro. meter	Wind.	Thermom. Min 8 Max	Weather &c.	Notes.	Rain 0.37
Su. 22.	29.77 -76	W ₅ W ₃ W ₁ 2.3	25 33 35	Squalls of wind early AM, fine day, clearing & hazy. Clearer after 2 pm: frost continuing. Clear evening & hard frost.		
M. 23.	-84 -96	W ₂ W ₂ W ₁ & 3.	22½ 25 31	Clear & hard frost, and the whole day bright with a freezing air. Clear & very red 10 set, but more clouds & wind 7 pm.	9.24 pm	
Tu. 24.	30.28 -40	NW ₂ WNW ₁ NW ₁ & 0.	22 23 29	Clear, & hard frost, very bright all day and very sharp air. Sun set clear & rosy in a thin haze.		
W. 25.	-21 29.90	ESE ₁ SE ₂ SE ₃ & 4.	13½ 21 32	Very severe frost AM. Fog after day, light, but partly bright near noon, afterwards very cloudy. Wind rose after 6 pm. Snowy evening & change.	Snow & hail.	⊕
Th. 26.	-62 -51	SE ₂ SE ₂ 3.4. SW ₂	30 34 42	Thaw, with fog, and rain more or less all day. Much milder in the afternoon. Foggy evening and night.	♂ ♀ ♂ ♂ rain & thaw.	47
Fr. 27.	-54 -59	S ₁ S ₁ S ₂	39 39 43	Very foggy, and general thaw. Little rain at times in the afternoon. More wind in the evening. Rainy night.		28
Sat. 28.	-70 -70	SSW ₁ SSW ₁ S ₃	32 34 41	Fine morning, frosty, and partly clear. Hazy all day, but sun gleaming, and nearly calm. More wind after 6 pm.		
417.68			184 253	Mean Temp 31.21. Rain cal. over 1.12		
			437	7¼ below Average.		

December 1878.

Dec	Baro. meter	Wind	Thermom. Min	Thermom. Max	Character	Notes	Rain. 1-12
Su. 29.	29.51	SW ₂	38		Overcast, some fog, and little rain early a.m.		.03
		W ₁		42	Clearer after 10 a.m., flying clouds and Sun. Haze below at 3 p.m., & clear upward. Gale night.	Thrushes sang in the morning.	
	-67	SW ₂	36		Overcast, and very mild, morn'g. and the day the same, but some sun at times. Blustering night & very mild.	(great change)	.03
M. 30.	-56	SW ₂	36	50			
	-62	SW ₂		52			
		3-4					
Tu. 31.	-60	SW ₄	4 1/2		Cloudy, very mild, and moon blustering morn'g, and a gale day, but mild, & sunny afternoon. Fine breezy even'g, Heavy gale at night.	1st Dr 1.57 p.m.	
	-59	SW ₃	51	53			
		5-6					
17755			1215	149	Mean Temp 3 days 45°	Rain 1.18	

Barometer.
Highest on 24th = 30.40.
Lowest on 19th = 29.22
Range = 1.18
Mean of month 29.77.

A Gale on one day 31st
Prevailing currents the NW, and W.

Thermometer.
Highest on 31st = 53.5.
Lowest on 25th = 13.5.
Range 40° -
Mean daily range 8.87
Mean of Month 32.01
Nearly 7 Degs below the Average.
Fine days 16 in number.
Rainfall 1.18 Inch

This was a severely cold month up to the 26th day, with snow at times, and very trifling rain till the 26th. - 16 fine days, 9 of rain, and 6 of snow constituted the character of the month. A sudden mildness at the end, with a gale at NW. The great heat and drought in June, and July were most remarkable in these parts.

Summary of 1878.

Highest Barometer on Jan 11th and March 16th when it was 30.67.

Lowest on Nov 15th - 29.17.

Hottest day - June 26th - Thermom 86°.

Coldest, December 25th - Thermom 13 1/2°.

Fine Days 223 in number.

Rainfall 24.15 - Inches.

Wettest months May and November.

Driest - in February and March.

and from June 14th, to July 23rd.

This was likewise the hottest period, and the month of December the coldest in the year 1878.

For the general results for 1878, see overleaf.

Monthly Results for 1878.

1878.	Winds.								Averages.				Rain Therm.			
Months	E	W	N	S	NE	SE	NW	SW	Gales	Fine days	Mean Barom.	Mean Therm.	Mean daily range	Inches	Min	Max
Janr.	1	5½	2	2½	1½	2	7	9½	5	18	30.18	39.42	8.37	1.60	25	57
Feb.	0	4	0	6	2	3	4	9	0	24	30.32	42.09	10.12	1.00	27½	57
March.	1	9	2	0	3	0	9½	6½	4	20	30.10	42.39	12.95	0.65	25	58
April.	5	2	1	3	4	9	1	5	2	22	29.95	49.30	18.10	1.33	22	67
May.	3	4	0	2	3	8	1	10	3	14	29.90	55.92	15.79	4.24	39	73
June.	3½	0	1½	4	3½	9½	2	7	2	18	30.06	60.17	17.46	0.81	39	86
July.	4	6½	2	0	3	3½	7½	4½	0	25	30.14	62.67	15.74	1.27	44	83
Augt.	7½	4	0	1½	2	6½	0	9	3	16	29.89	63.51	13.93	3.52	47	78
Sept.	0	11	0	1	1	5½	2½	9	4	20	30.07	57.48	14.10	1.13	39	75
Oct.	3	4½	0	9½	0	6	2½	5½	3	21	29.89	52.03	11.54	1.61	30	69
Nov.	0	8½	1	1	5	1½	10	3	3	9	29.82	40.01	8.55	5.81	27½	53
Dec.	0	9½	0	2	2	2	11	4½	1	16	29.77	32.01	8.87	1.18	13½	53½
1878.	28	69	9½	32½	30	56½	58	82½	30	223	30.0	49.73	12.96	24.15	13½	86

Octavio Whistlercraft

Decr 31st 1878.

