

1854	9 AM			Hygr.	Wind		Rain		
January	E	A	Bar:	not dry	Dir	Force	Square	Globe	
1	23,	31.2	29.435	21.6 } Frozen	WSW	3	Frozen	Frozen	b. v. much snow during night
2	22.2	31.2	29.113	20.9 } Frozen	SW	2	Do	Do	b. m. S. some D. { hole round @ at 2 PM -
3	24.7	29,	29.095	23.4 } Frozen	ENE	4	Do	Do	b. m. S.
4	32.6	31,	29.100	32.1 } Frozen	NE	6	Do	Do	o. snowing
5	35.5	32.5	28.745	32.8 } Frozen	ENE	5	Do	Do	snowing rapidly; flakes thin - { ground very thickly covered with snow
6	33.2	33.4	28.825	32.8 } 32.1	ENE	4	Do	Do	o. v. KS, more snow during the night -
7	35.8	33.9	28.577	35.3 } 35.1	ENE	5	Do	Do	o. m. slight rain
8	38.3	35.9	28.583	36.6 } 36.1	ENE	4	2.0283 1.390	1.955	o. m. Do (Bar: 28.583 at 9 AM)
9	35.9	36.1	29.124	34.9 } 34.1	ENE	3 1/2	0.047 0.047	0.057	b. v. S. CS
10	34.	35.4	29.571	33.3 } 33.1	ENE	4	0.1233 0.095	0.133	o. v. snowing a little -
11	28.3	33,	29.784	27.6 } Frozen	ENE	2	frozen	frozen	b. v. hoarfrost. o. CS. S
12	36.5	36,	29.382	35.3 } 35.3	SE	6	0.1003 0.187	0.220	o. rain (at 9 AM) Heavy flat at 2 1/2 PM
13	39.	34,	29.138	38.5 } 36.4	SE	8	0.031 0.042	0.048	o. v. rain. Bar. heaving
14	32.2	34,	29.357	31.8 } 31.5	SSW	2 1/2	frozen	frozen	fog.
15	34.6	35.1	29.431	34.1 } 33.4	W 1/2 W	1	0.115 0.135	0.185	o. v. KS.
16	37.5	35.5	29.415	37.2 } 35.3	SE	7			o. v. KS.
17	48.5	42,	29.393	48.3 } 46.	SWW	9	0.060 0.116	0.118	b. v. CK dispersed.
18	48.5	44.4	29.673	48.5 } 47.4	SSW	6	0.002 0.003	0.015	b. v. S. CS.
19	48.6	46,	29.515	48.4 } 47.	S	8			o. v. d. KS. K
20	46.	49.4	29.270	45.6 } 44.	SE	9	0.053 0.135	0.157	o. v. q. KS
21	46.5	43.9	29.609	46.3 } 44.6	SE	10	0.046 0.075	0.112	o. m. q. KS. m
22	43.	43.7	29.659	42.3 } 40.3	SEBS	4 1/2	0.102 0.225	0.266	o. v. S. KS
23	40.	40.7	29.645	39.7 } 38.	SW	7	0.066 0.040	0.062	b. v. CS.
24	41.1	44.2	29.107	40.6 } 38.6	SW & S	8	0.010 0.070	0.122	b. v. S. CS
25	38.3	39,	29.458	37.7 } 37.	SSTW	11	0.007 0.037	0.159	o. q. heavy rain. Bar. heaving
26	38.	39.1	29.913	37.4 } 35.	W	5	0.055 0.187	0.274	b. v. q. K. m. in SW
27	49.3	45.5	29.760	49.3 } 46.5	SSTW	9	0.003 0.015	0.017	o. v. q. CS. K.
28	38.	42,	29.863	37.2 } 37.	WSW	3 1/2	0.065 0.126	0.113	b. v. CS. K. KS
29	49.1	49.8	29.429	48.9 } 45.8	W	6	0.061 0.200	0.046	b. v. q. CS. K
30	49.5	47.	29.820	49.5 } 47.4	WSW	7 1/2	drops	drops	o. v. q. K
31	46.3	46,	29.881	45.7 } 45.3	SWW	2 1/2	0.001 0.004	0.060	o. light fog.
Mean	38.52	39.03	29.377			Sum	2.973 3.429	4.549	

1854	9 Am			Hyg?	Wind		May	Min.		
January	E	A	Bar:	^{Wet} dry	Dir	Force	T	T		
									(at 9 ^h 20 ^m)	
1	29.3	32.8	29.275	28.67 frozen	WbN	2	32.	21,	o. v.	KS. Snow during day
2	24.4	31.	29.045	24.43 frozen	SW	1 $\frac{3}{4}$	29.4	20.5	b. y.	S - (Brilliant Aurora at 11 PM) anarch. but no streamers
3	27.8	30.6	29.183	26.73 frozen	NE	4	32,	17.	b. m.	S. KS
						6	34,	23.9	o. g.	thin snow. { min at 11 PM yesterday Snowing all day without intermission The flakes were large until 3 PM: when they became very small and hard - Snowing rapidly all day until 6 PM.
						2	33.9	30.1	o. y.	KS: (snow from 11 AM to 2 PM) (a slight thaw till 4 PM)
						2	34.6	31.	o. y.	KS.
						5	38.8	31.8	o. m.	n. rain -
						4	39.1	36.	o. vr.	KS -
						3	38.8	35,	o. v.	KS -
						3	36.8	29.9	b. v	
						7	35.5	26,	10 b. vr.	CS. S.
						2	37.4	32.4	o. light fog.	CK. (min T: at time of visibility)
						3 $\frac{1}{2}$	39.7	29.	o. v.	at 11 ^h 40 ^m Halos intense & bright. Strong prismatic colors. CS. S. KC. (Brilliant White halo round D.N. (at 9 ^h 15 ^m)
						5	38.5	30,	o. g.	KS Bright halo round D at 11.30 ^m PM
						2	38.5	33.4	o. y.	(at 8.30 ^m) S. in N
						6	43.4	30.9	b. v.	K. n. in SW
						7	51.2	41.4	o. v.	K.
						4 $\frac{1}{2}$	52.4	47.1	o. v. g.	KS. K. (Thor Ber. Hyg. at 9 ^h 20 ^m)
						11.	49.6	45.5	o. g. gg.	much rain - (Bar: heaving much & irregularly)
						6+	50.3	41.8	b. y. gg.	n. in SW
						8	52.9	40.6	o. gg. gg.	n. rain
						6	50.5	41.6	o. g.	K.
						9	48.5	36.	o. g. gg.	K. Bar: heaving
						6	50.5	34.3	b. y.	
						5 $\frac{1}{2}$	46.5	33.9	b. g. g.	K. n. in SW: light rain. (much sheet lightning between 8 & 9 PM)
						6	42.8	34.9	o. g.	K.
						6	51.5	40.		heavy rain.
						11	48.6	37.	o. g. g.	Rain
						3	51.7	39.	o. g.	K.
						9	53.9	48.	o. g. g.	K.
						5	51.3	42.5	o. g.	K.
mean	39.22	39.40	29.330				42.58	33.93		
							43.05	34.31		

1854	9 Pm			Hyg?	Wind		Max	Min		
January	E	A	Bar:	dry	Dir	Force	T	T		
1	29.3	32.8	29.275	28.63	WbN	2	32.	21,	0. V.	(at 9 ^h 20 ^m) KS. Snowing day
2	24.4	31.	29.045	24.43	SW	1 $\frac{3}{4}$	29.4	20.5	6. Y.	S - (Brilliant Aurora at 11 PM) an arch but no streamers
3	27.8	30.6	29.183	26.73	NE	4	32,	17.	6. m.	S. KS
4	31.5	32.3	28.874	30.93	E	6	34,	23.9	0. q.	thin snow. { snowing all day without intermission the flakes were large until 3 PM when they snowed became very small and hard
5	33,	33,	28.763	32.53	ENE	2	33.9	30.1	0. Y.	KS: (snowing rapidly all day until 6 PM)
6	32.4	33.1	28.800	32.33	NbE	2	34.6	31.	0. Y.	KS. (snow from 11 AM to 2 PM) (a slight rain till 4 PM)
7	38.4	35.3	28.380	35.43	E	5	38.8	31.8	0. m.	n. rain -
8	38.	35.9	28.891	37.53	NbE	4	39.1	36.	0. V.	KS -
9	36.8	36.7	29.299	36.33	NbE	3	38.8	35.	0. V.	KS -
10	31.	34.1	29.772	34.73	NE	3	36.8	29.9	6. V	
11	35.9	36.	29.595	35.13	SE	7	35.5	26.	6. V.	CS. S.
12	32.8	35.1	29.311	32.93	SW	2	37.4	32.4	0. light fog.	CK. (min T: at time of fog)
13	35.	36.1	29.230	34.43	SSW	3 $\frac{1}{2}$	39.7	29.	0. V.	at 11 ^h 40 ^m Halo intense (with strong prismatic colors) CS. S. KC. (brilliant white halo round J.N. at 9 ^h 13 ^m)
14	38.	36.3	29.318	37.73	SSW	5	38.5	30.	0. q.	KS. Bright halo round J at 11.30 PM
15	33.5	33.4	29.515	32.13	SW	2	38.5	33.4	0. Y.	(at 8.30 ^m) S. in N
16	43.2	39.1	29.403	43.33	SWbS	6	43.4	30.9	6. V.	K. n. in SW
17	50.2	44.1	29.442	42.33	SSW	7	51.2	41.4	0. V.	K.
18	48.2	46.	29.633	45.23	S	4 $\frac{1}{2}$	52.4	47.1	0. V. q.	KS. K. (Thor Bar. Aug. at 9 ^h 20 ^m)
19	47.	45.9	29.184	46.53	S	11.	49.6	45.5	0. q. q.	much rain - (Bar. rising much & irregularly)
20	43.	44.	29.577	42.73	WSW	6+	50.3	41.8	6. Y. q.	n. in SW
21	50.	48.2	29.537	45.63	SSW	8	52.9	40.6	0. q. q.	n. rain
22	42.7	44.	29.493	42.43	SW	6	50.5	41.6	0. q.	K.
23	48.	45.4	29.209	47.83	SSW	9	48.5	36.	0. q. q.	K. Bar. rising
24	34.8	41.3	29.458	34.33	SWbW	6	50.5	34.3	6. Y.	
25	39.1	42.	29.603	38.93	WSW	5 $\frac{1}{2}$	46.5	33.9	6. q. q.	K. n. in SW: light rain.
26	40.3	40.4	30.101	40.13	SSW	6	42.8	34.9	0. q.	(much sheet lightning between 8 & 9 PM)
27	44.	46.	29.668	43.23	WbN	6	51.5	40.	heavy rain.	
28	39.6	42.	29.552	38.63	SWbS	11	48.6	37.	0. q. q.	rain
29	49.	46.	29.736	45.83	W	3	51.7	39.	0. q.	K.
30	50.	48.2	29.780	47.93	W $\frac{1}{2}$ S	9	53.9	48.	0. q. q.	K.
31	49.	48.	29.597	47.23	SW	8	51.3	42.5	0. q.	K.
Mean	39.22	39.40	29.330				42.58	33.93		
							43.05	34.31		

1854		9 th Am		Hyg		Wind		Rain			
February	E	A	Barom.	Wet dry	Dir.	Force	Square	Round.			
1	40.9	45.2	29.780	40.1 39.5	WbN	2	{0.155 0.284 drops	0.304	0. V.	KS. CS. (a hole round 9 at 1 Pm.)	
2	38.4	40.2	30.116	34.7 34.	SWbW	2			6. m	hoar frost	
3	32.5	39.1	30.163	31. 31.	W	0			6. m	Do	
4	41.	40.6	29.577	40. 48.4	S	7 1/2	0.0027	0.008	6. V.	C. S. CS.	
5	39.2	39.1	29.507	38.7 38.	SW	6	0.0223 0.050 0.145	0.220	0. V.	light rain (at 7 AM. ground covered with snow)	
6	50.	45.6	29.704	50.5 49.6	SWbW	6	0.045 0.136	0.255	0. V. 9	K. KS.	
7	40.	44.	29.823	39.2 38.5	WbN	5 1/2	0.0283 0.0943	0.315	6. VV.	SC. S	
8	39.	40.4	30.011	38.5 46.4	WbW	3 1/2	0.0907 0.245 drops	0.385	6. V. rain	K. KS. n. in SW & in gentle	
9	45.	43.	30.094	43. 30.1	WbW	6			0. V.	little half melted snow lying on ground	
10	31.1	37.	30.311	30.1 frozen	W	2			6. m.	CS. S.	
11	38.	39	30.119	37.6 36.1	SW	3	0.0309 0.0323	0.054	0. V.	C. S. CS.	
12	38.4	40.2	30.095	37.5 36.5	WbW	1	0.0282 0.038	0.032	6. V.	CS. KS.	
13	37.	39.	30.404	36.4 35.3	WbW	2			6. m.	129. S	
14	38.6	39.2	30.373	35.3 37.	SW	4			0. V.	S. KS.	
15	39.7	41.1	30.010	38.8 36.4	N	3	0.0237 0.060	0.083	0. V.	KS.	
16	42.	40.5	29.883	41.5 41.	WSW	3			6. V	KS. CS.	
17	45.1	43.	29.238	45.1 42.4	W	9	0.0089 0.0315	0.056	0. V.	n. KS. light rain. Barhoaving slowly	
18	36.	36.9	29.704	35.1 frozen	W	4	0.0257 0.0203	0.100	6. VV.	K. CK. the rain-gauge partially frozen	
19	35.	36.1	29.905	34.2 frozen	W	2 1/2	frozen	frozen	0. V.	snowing a little	
20	47.	43.8	29.704	46.8 48.4	SWbW	4	0.0203 0.118	0.100	0. m.	light rain	
21	40.	38.5	30.086	39.7 38.7	SW	2 1/2	0.0093 0.0223	0.022	6. V.	KS. CS. S.	
22	49.5	45.	29.601	49. 48.2	SW	7	0.0003 0.0003	0.020	0. m.	K. n. in SW. a few drops of rain	
23	39.5	40.	30.250	38.9 37.4	SW	6 1/2	0.0663 0.1503	0.253	6. V.		
24	47.5	44.	29.978	42.3 45.2	SWbW	8	0.0003 0.0003	0.021	0. VV.	KS.	
25	43.	42.5	30.320	42.3 39.3	SWbW	4	0.0103 0.034	0.150	6. VV.		
26	39.	39.5	30.340	38.3 37.	SW	4			6. V.		
27	47.6	45.4	29.955	47.3 45.5	SW	9	drops 0.002	0.001	0. V.	KS.	
28	39.3	42.3	30.102	38.5 36.9	W	4	0.0107 0.0975	0.138	6. V.		
mean	40.38	41.08	29.970		19	SWm	{0.603 1.530	2.620			

1854	9 th Pm			Hyg ^r	Wind		Max	Min		
Feb ^s	E	A	Barom:	dry wet	Dir:	Force	T	T		
20										
1	35.	43,	29.956	34.22	WNW	2	51.6	35.	b. m.	S in W. stars clear
2	35.8	41.4	30.221	33.8	WSW	2	43.7	33.2	9 ^h b. m.	
3	35.9	41.9	29.965	35.5	E6S	2	42.4	31.4	6. m.	(a halo round D at 7 ¹ / ₂ PM)
4	35.3	40.6	29.393	34.8	WSW	5	45.1	34.5	10 ^h b. m.	
45 5	50.4	44.5	29.545	33.4	W	5	51.6	33.4	10 ^h o. v.	K.
6	48.5	47.6	29.676	49.	W	7	53.2	48.5	o. v. 9.	KS-
7	37.7	42.3	29.761	48.5	WSW	8.	49.6	36.4	6. v. 99.	KS - N. in SW.
8	42.5	42.8	30.153	47.3	WSW	4	49.5	34.	2 o. v.	a very heavy shower at 8 ¹ / ₂ PM. CK. K.
9	34.	39.1	30.245	42.1	N ¹ / ₂ E	1	49.6	33.6	6. v.	C. C. S. clouds thin. halo round D.
10	32.	38.	30.240	33.7	WSW	2	39.2	28.5	3 o. m.	thin stratitus. halo round D. brilliant white -
11	43.	41.1	30.056	31.3	N6S	1 ³ / ₄	44.5	32.	o. m.	KS -
12	40.1	41.2	30.260	42.5	N6E	1	44.7	37.4	o. v.	K. KS.
13	39.	41.2	30.441	40.0	WSW	2 ¹ / ₄	45.6	35.6	o. v.	KS.
14	46.4	42.1	30.059	38.5	SW	4	46.8	35.8	o. v.	KS. n. in W. a few drops of rain -
15	37.	40.	29.982	37.2	N6W	3	47.	36.7	o. v.	K.
16	43.5	43.1	29.685	44.7	WNW	6	50.	35.4	o. 9.	K.
17	32.2	38.	29.353	41.7	SW	7	45.6	29.8	6. 9.	99. N. a little snow falling. Bar. heaving.
18	33.4	35.9	29.900	31.9	N6W	3 ¹ / ₂	37.7	29.9	1 b. v.	(From 2 PM. frequent snow storms)
19	43.9	39.7	29.745	32.7	SW	3	43.	29.7	9 o. 9.	KS in N
20	38.5	41.7	30.020	42.2	SW	2 ¹ / ₂	48.	38.1	10 b. v.	KS -
21	43.3	41.6	29.860	38.3	SW	8	44.6	33.5	o. 9.	KS. m. in SW
22	38.4	43.	29.881	43.1	SW	5	51.9	37.6	6. v.	
23	41.4	43.6	30.295	41.1	SW	5	47.9	35.	10 o. 9.	KS.
24	43.9	44.5	30.119	41.4	SW	3	50.3	40.3	6. m.	S. Aurora in N.W. a faint Auroral
25	37.5	42.5	30.442	39.2	WSW	2 ¹ / ₂	50.	37.5	9 b. v.	Streaks in S. it lasts about 10 minutes
26	47.6	45.	30.128	40.2	SW	5	42.1	38.5	10 o. v.	greenish Aurora in N.W. with streamers -
27	44.1	46.4	29.845	47.4	SW	2 ¹ / ₂	51.6	44.3	o. 9.	S: KS. a few stars faintly seen -
28	40.2	44.5	30.299	43.5	SW	5	48.5	35.5	6. v.	m. light rain.
				43.2					95 b. v.	KS stars bright
mean	39.2	42.01	29.983		10.		46.57	35.00		
	39.24						46.98	35.40		

1884		9 AM			Hys	Wind		Rain		
March	F.	A	Bar.		Dir	Force	Square	Round		
5										
30	1	42,	42.3	30.369	41.43	SWbW	5			b. V. S in W
	2	43.5	42.2	30.297	39.43	SSW	6			b. V. S round horizon
	3	47.1	45.2	30.390	41.3	SW	4			c. v. KS.
	4	39.	42.4	30.657	45.2	Nbbs	1	0.0412	0.091	fog: lower rain gauges partly frozen
①	5	32,	40.3	30.570	38.6	NbW	1/2	0.0543		fog. hoarfrost on grass.
	6	44.3	42.1	30.242	38.3	S 1/2 W	4	0.0043		b. Y. KS. K. (At 1 PM. a faint halo round ☉)
	7	48.4	45.4	30.065	44.1	SW	2 1/2	drops		s m. KS.
	8	50.1	47.1	29.957	48.7	SWbW	4	0.113	0.191	c. Y. KS. K. S.
	9	51.	49.2	29.880	50.2	SSW	7 1/2	0.1523		c. V. KS.
	10	46.9	43.5	29.688	48.7	W	4	0.0057	0.104	b. VV. K. KS. in SE.
	11	50.5	49.5	29.727	46.4	WSW	8	0.0233	0.245	c. V. K: KS.
②	12	49.	48,	29.571	43.1	SbW	6	0.0957	0.158	c. v. H:
	13	46.5	45.8	29.339	47.5	SSE	10 1/2	0.2103	0.004	U. v. q. KS Bar heaving
	14	45.8	46.2	29.467	45.4	SSW	6	drops		b. VV. S.
23	15	42.1	45.6	29.672	42.1	SbW	6 1/4	0.0207	0.123	b. VV. S. K. CS.
	16	43.7	46.2	29.728	42.9	NbW	4 1/2	0.0915	0.012	b. V. S. K: KS.
	17	42.	42.8	30.175	45.6	SWbS	4	0.0037	0.506	b. V. S.
	18	44.8	38.4	30.025	43.2	Nbbs	3	0.1563	0.038	b. Y. K: S. KS. x {Hys = 41.4}
③	19	39.7	42.1	29.921	39.9	NE	4	0.0147	0.180	c. m. light rain - distant hills covered w/ snow
	20	40.3	41,	30.325	48.2	EbN	5	0.0313	0.168	b. V. S. KS
	21	41.6	41.1	30.407	37.4	NbE	4	0.1603	0.007	b. m. KS. K.
	22	40,	41,	30.481	39.6	SWbS	1	0.0037		b. V. m. spikes of K did not rain
	23	45.5	44.	30.397	39.5	NbE	4	0.0097	0.008	b. VV. K. KS.
	24	46.2	43.4	30.262	41.7	NbE	3			b. V. K: KS.
	25	46.3	45,	29.939	42.3	WbN	3			c. v. KS
④	26	47,	45,	29.801	46.4	SW	4	0.0227	0.003	b. VV. C: S. KS. CS.
	27	46.5	44.2	30.006	47.3	WbN	4	0.0533		b. V. S
	28	48.3	45.2	30.130	43.5	SWbW	4			c. v. KS.
	29	51.4	48.9	30.002	48.1	SW 1/2 W	6			c. Y q. KS. Bar heaving
	30	51.4	49.3	29.585	57.6	SW	6	0.060	0.090	c. m. rain.
	31	45.3	44.3	30.091	48.3	SWbS	6?	0.116	0.115	c. Y. q. KS. {at 11 AM The Anemometer was again set to rights.}
mean		45.20	44.38	30.036		30		0.8722	2.093	
								1.635		

1854	9 Am			Hyg	Wind	May	Min		
March	E	A	Bar		Dir	Force	T	T	
1				39.92	SSTW	4½	50.	38.3	b. v.
1854					SSTW	3	51.6	37.6	b. g. K: KS.
March 4. ^{Hg}		Bar	A	3	NEbS	1	53.8	39.	b. m. Low Auroral arch in N. & W.
at 10½ AM =		30.661.	42.1	3	SSE	2	49.3	32.7	b. m. (at 11 PM. Bar = 30.592)
11.45 —		30.660.	46.	3	SW	3	48.6	30.7	b. m. stars dim
0.17 —		30.660.	48.	3	SSTW	6	51.	36.4	o. v. KS: K.
1.23 —		30.652	48.4	3	SWbS	8	53.4	43.5	o. v. KS: K: S
9 53.	51.	29.708	52.8	3	SW	8	55.9	50.3	o. v. KS.
10 47.	48.4	29.623	46.5	3	SWbS	8	53.8	44.8	o. v. rain —
11 47.	50.	29.705	46.8	3	SSTW	5½	57.	46.4	b. v. dispersed stratus —
12 46.	48.3	29.442	44.4	3	SSE	5	52.	44.3	b. v. S
13 49.1	49.2	29.294	45.5	3	SSE	11	54.2	41	o. v. y
14 42.	46.3	29.611	41.5	3	SSTW	5	51.7	41.8	o. v. y. S: in SSE horizon
15 50.	50.3	29.530	42.9	3	SSTW	10	56.	39.8	o. g. Heavy rain. Bar: heaving
16 38.3	46.1	30.069	38.7	3	WbS	3	51.	38.5	b. v. S: in SE horizon
17 45.8	47.	30.010	45.5	3	SSTW	6	52.1	36.0	o. v. KS.
18 35.6	44.2	29.937	34.4	3	N. & W.	2½	52.1	35.6	b. m. S.
19 38.9	42.1	30.197	38.5	3	NEbE	5	43.3	33.8	o. g. K.
20 38.1	42.8	30.389	33.3	3	NEbE	2	45.	35.5	b. v.
21 38.	44.	30.455	37.2	3	NE	2	47.5	33.	b. v.
22 40.6	45.5	30.412	40.7	3	NEbS	1	54.2	31.7	b. v.
23 39.2	46.1	30.356	38.4	3	NEbS	2½	51.8	38.6	b. v.
24 43.9	46.4	30.151	43.4	3	N.	1	51.6	36.4	o. g. K.
31 25 44.7	46.1	29.771	44.5	3	WbS	3	51.5	41.9	o. g. K: KS.
26 41.	46.	29.928	40.4	3	SSTW	2	52.	41.4	b. v. slight Aurora.
27 43.5	47.	30.073	43.3	3	W	2	53.5	38.3	b. v. (at 9.15 m)
28 50.	48.8	30.133	49.9	3	SSTW	6	55.6	39.5	o. v. K.
29 50.7	50.1	29.995	50.6	3	WSW	5	55.6	48.6	o. g. K.
30 43.1	48.5	30.111	42.5	3	WSW	7?	54.6	42.5	b. v. faint Aurora.
31 50.	50.2	29.947	50.1	3	SWbS	6	57.6	37.5	o. g. K
mean	43.68	46.80	29.034				51.97	39.01	

In the morning at 11½ the Anemometer was repaired & for repairs

1854	9 Am			Hygr	Wind		May	Min	
March	E	A	Bar		Dir	Force	T	T	
1	40.3	44.3	30.354	39.92 38.5	SSE	4½	50.	38.3	b. v.
2	45.	46.4	30.325	44.73 42.53	SSE	3	51.6	37.6	b. g. K: KS.
3	39.	44.5	30.576	37.83 37.53	NW	1	53.8	39.	b. m. Low Auroral arch in N.W.
4	40.5	45.2	30.608	39.23 38.33	SSE	2	49.3	32.7	10 b. m. (at 11 PM. Bar = 30.592)
5	38.9	43.5	30.364	38.53 37.5	SW	3	48.6	30.7	10 b. m. stars dim
6	45.	45.6	30.127	44.73 43.33	SSE	6	51.	36.4	0. v. KS: K.
7	48.8	48.1	29.931	48.53 46.73	SW	8	53.4	43.5	0. v. KS: K: S
8	51.	48.8	29.933	51.43 50.43	SW	6	54.9	47.7	0. m. KS.
9	53.	51.	29.708	52.83 51.23	SW	8	55.9	50.3	0. v. K: KS.
10	47.	48.4	29.623	46.53 46.13	SW	8	53.8	44.8	0. v. rain -
11	47.	50.	29.705	46.83 44.43	SSE	5½	57.	46.4	b. v. dispersed stratus -
12	46.	48.3	29.442	45.23 44.13	SSE	5	52.	44.3	9 b. v. 2½
13	49.1	49.2	29.296	45.53 47.13	SSE	11	54.2	41	0. v. q
14	42.	46.3	29.611	41.53 39.23	SSE	5	51.7	41.8	0. v. q. S: in SSE horizon
15	50.	50.3	29.530	49.33 48.93	SSE	10	56.	39.8	0. q. Heavy rain. Bar: heaving
16	38.3	46.1	30.069	38.73 38.43	W	3	51.	38.5	b. v. S: in SE horizon
17	45.8	47.	30.010	45.83 42.93	SSE	6	52.1	36.0	0. v. KS.
18	35.6	44.2	29.937	34.43 34.33	NW	2½	52.1	35.6	b. m. S.
19	38.9	42.1	30.197	38.53 34.43	NW	5	43.3	33.8	0. g. K.
20	38.1	42.8	30.389	33.33 33.33	NW	2	45.	35.5	10 b. v.
21	38.	44.	30.455	37.23 35.43	NW	2	47.5	33.	b. v.
22	40.6	45.5	30.412	40.33 38.53	NW	1	54.2	31.7	10 b. v.
23	39.2	46.1	30.356	38.43 37.83	NW	2½	51.8	38.6	10 b. v.
24	43.9	46.4	30.151	43.43 40.23	N.	1	51.6	36.4	0. g. K.
25	44.7	46.1	29.771	44.53 40.13	W	3	51.5	41.9	0. g. K: KS.
26	41.	46.	29.928	40.43 39.43	SSE	2	52.	41.4	b. v. slight Aurora.
27	43.5	47.	30.073	43.33 42.33	W	2	50.5	38.3	10 b. v. (at 9.15 m)
28	50.	48.8	30.133	49.93 48.43	SSE	6	55.6	39.5	0. v. K.
29	50.7	50.1	29.995	50.63 49.63	W	5	55.6	48.6	0. g. K.
30	43.1	48.5	30.111	42.53 39.13	W	7?	54.6	42.5	b. v. faint Aurora.
31	50.	50.2	29.947	50.13 48.53	SW	6	57.6	37.5	10 0. g. K
mean	43.68	46.80	29.034				51.97	39.01	In the morning at 11½ the thermometer was 65 minutes for repairs

1853

9th March

1854

Term Observations

Wind

Rain

Month

E

A

Bar

Hg

Dir

Force

Qty

Round

21. 6 th AM	35.1	40.2	30.383	34.33 33.03	N 0	0.00	—	—	0. vv. KS	hoar frost on ground
7	35.9	40.2	30.381	33.23	N $\frac{1}{2}$ W	625	—	—	0. v. h. KS	
8	37.3	40.4	30.395	36.53 35.33	N	235	—	—	$\frac{1}{2}$ v. h. K: S	
9	41.6	41.1	30.407	41.33 39.53	NNE	64	—	—	$\frac{1}{2}$ m. KS. K.	
10	43.	42.4	30.406	42.63 40.	NNE	133	—	—	$\frac{1}{2}$ v. K.	
11 AM	44.	43.1	30.406	43.93 40.33	N $\frac{1}{2}$ E	86	—	—	$\frac{1}{2}$ v. K.	
12	44.1	43.9	30.401	44.33 38.53	N $\frac{1}{2}$ E	65	—	—	$\frac{1}{2}$ v. K.	strong blue sky
1 PM	45.3	45.4	30.400	45.33 40.33	N $\frac{1}{2}$ E	51	—	—	$\frac{1}{2}$ v. K.	Do
22 nd D	46.8	46.4	30.397	45.63 40.53	E $\frac{1}{2}$ N	94	—	—	$\frac{1}{2}$ v. K	dispersed
3 "	46.6	47.1	30.402	46.13 40.73	E $\frac{1}{2}$ N	72	—	—	$\frac{1}{2}$ v. K.	Do
4 "	46.1	47.	30.393	45.73 41.	E $\frac{1}{2}$ N	97	—	—	$\frac{1}{2}$ v. K.	
5 "	45.3	46.3	30.396	44.63 40.33	N $\frac{1}{2}$ E	84	—	—	$\frac{1}{2}$ v. K.	
6 "	43.5	45.4	30.403	42.73 37.	N $\frac{1}{2}$ E	120	—	—	$\frac{1}{2}$ v. K.	
7 "	42.	45.	30.426	41.23 37.93	N $\frac{1}{2}$ E	104	—	—	$\frac{1}{2}$ v. K.	
8 "	39.1	44.6	30.445	38.33 36.53	N $\frac{1}{2}$ E	137	—	—	$\frac{1}{2}$ v. K.	
9 "	38.	44.	30.455	37.23 35.43	N $\frac{1}{2}$ E	137	—	—	$\frac{1}{2}$ v. K.	
10 "	37.	43.9	30.468	36.13 35.13	N $\frac{1}{2}$ E	367	—	—	$\frac{1}{2}$ v. K.	
11 AM	35.5	43.4	30.457	34.73 33.93	N $\frac{1}{2}$ E	138	—	—	$\frac{1}{2}$ v. K.	
12.	35.5	43.5	30.480	34.53 34.	N $\frac{1}{2}$ E	∞	—	—	$\frac{1}{2}$ v. K.	aurora in N.W. low arch.
23 rd 1 AM	34.6	42.9	30.483	33.33 33.13	N $\frac{1}{2}$ E	∞	—	—	$\frac{1}{2}$ m. diffused aurora.	
2 "	33.9	42.	30.473	32.73 32.43	SE	277	—	—	$\frac{1}{2}$ v. K.	Wind changed suddenly at 1 $\frac{1}{2}$ 5 $\frac{1}{2}$
3 "	33.7	41.7	30.457	33.53 33.43	SE	∞	—	—	$\frac{1}{2}$ v. K.	hoar-frost on ground
4 "	32.	41.1	30.452	30.93 30.73	S $\frac{1}{2}$ E	187	—	—	$\frac{1}{2}$ v. K.	Do
5 "	31.5	41.	30.455	30.73 30.33	SW $\frac{1}{2}$ S	178	—	—	$\frac{1}{2}$ v. K.	Do cs in E
6 "	31.9	40.7	30.467	31.33 30.73	SW $\frac{1}{2}$ S	240	—	—	$\frac{1}{2}$ m. K.	Do cs dispersed

A 0

6

1854

9th AM

April

E

A

Bar:

H_g

Wind

Dir

Force

Rain

Square

Round

22	1	51.	49.	29.815	51.73	SWbS	6+	0.002	0.027	0. v. g.	KS.	Bar: heaving.
	2	48.3	47.	30.289	47.63	SWbS	3	0.020		0. v.	thin stratus.	
	3	46.	47.	30.345	45.63	WbN	3			6. v.	S. K. dispersed.	
	4	47.5	45.5	30.306	47.53	WSW	6			0. v.	KS.	
	5	50.9	49.	30.123	50.63	KSW	4 1/2			0. v.	KS.	S + H _g = 50.63
	6	52.	48.6	30.110	49.63	WSW	6	0.005	0.008	0. v.	KS. S	
	7	53.5	50.1	30.208	53.33	WbS	2 1/4	0.002	0.006	0. v.	KS	
	8	52.	50.1	29.995	52.33	WSW	3	0.011	0.007	6. v.	KS: K.	
	9	47.6	49.1	30.072	47.53	NW	1+	0.001	0.007	0. v.	KS.	
	10	48.3	49.1	30.061	47.63	NbE	0	0.004		0. v.	KS.	
	11	46.	47.	30.047	45.63	NbE	3			6. v.	K.	
	12	47.	49.9	30.226	47.53	ES E	4			6. v.	KS.	
	13	50.	50.	30.223	50.33	EbS	4			6. v.	K: KS.	
	14	53.	50.4	30.050	52.83	E	1+			6. v.	KS. S	
	15	51.3	49.3	29.943	50.93	ESE	2			6. v.	K.	
	16	54.	51.	30.043	53.63	E	4			6. v.	K.	
	17	51.	52.	30.107	50.53	ESE	3 1/2			6. v.	K.	
	18	50.	52.	29.968	49.83	ESE	5			6. v.	K.	
	19	52.4	53.	29.790	52.83	EbS	4			0. v.	KS.	(at 1.45 PM. a bright halo round sun with prismatic colours)
	20	58.	53.7	29.614	57.93	EbS	5			6. v.	S.	
	21	55.	52.7	29.402	54.63	E	6			6. v.	K. S.	
	22	49.	51.	29.505	48.53	NbE	5			6. v.	g.	K. dispersed
	23	44.	47.8	29.997	43.53	NbE	4			6. v.	K strongly marked	
	24	44.7	46.6	30.311	41.73	ESE	1 1/2			6. v.	Do	
	25	45.9	45.1	30.369	45.43	N	1 1/2			6. v.	S.	
	26	51.4	47.1	30.364	51.43	NbN	2 1/2			6. v.	KS. K. S.	
	27	51.9	50.6	29.912	51.83	NW	5	0.006	0.033	0. v.	KS.	Bar: heaving
	28	48.6	49.	30.000	48.63	S	3	0.010	0.016	6. v.	K.	
	29	48.4	50.	29.651	48.13	NW	3	0.028	0.029	6. v.	K. S.	light rain
	30	49.	50.3	29.140	48.83	NW	5	0.023	0.080	6. v.	g.	K. S. KS.
					43.7			0.051				Bar: heaving

mean 49.92 49.43 29.999

Sum { 0.082 0.213

1854	9 th Mo			Height	Wind		Map.	Min.		
April	E	A	Bar:	ft	Dir:	Force	T	T		
1	46.7	50.6	30.120	44.63	WSW	4	60.	46.6	b. R. Y.	K. K. in W
2	47.5	51.6	30.315	47.23	WbN	3	59.5	41.	b. V.	CS. in SW
3	41.6	50.6	30.433	40.83	WbN	3	54.6	38.3	b. V.	(at 9 th 15 ^m)
4	47.	49.7	30.141	40.13	SNbW	4	52.7	36.1	b. V.	K.
5	50.	50.4	30.185	44.63	NSW	4	56.6	46.6	b. V.	K.
6	50.5	50.6	30.170	50.83	W	2	57.6	42.	b. V.	K. KS.
7	52.	51.1	30.122	50.53	WbS	3	58.	47.9	b. V.	K. KS.
8	47.1	50.6	29.963	46.83	WbN	3½	54.7	46.8	b. V.	K.
9	46.6	51.	30.095	44.73	WbN	2	56.3	45.6	b. V.	KS.
10	46.3	49.	30.023	46.33	WbN	2	54.	44.	b. V.	KS.
11	46.7	52.	30.138	42.53	E½N	3	58.	38.	b. Y. R.	(at 9.30 P.M. an Auroral Arch with streamers)
12	47.3	51.5	30.230	46.13	E½E	1	53.2	41.6	b. V.	KS.
13	48.4	52.4	30.133	46.83	EbS	2	58.5	44.	b. V.	KS. (at 4 P.M. a halo round ☉)
14	48.	51.	29.972	45.13	E½N	2	60.1	44.5	b. V.	Fine greenish diffused Aurora.
15	52.	55.2	29.971	47.23	NE	0	64.4	39.5	b. V.	
16	47.9	55.	30.100	47.53	S½E	1	62.5	43.	b. V.	
17	46.3	53.8	30.031	47.93	SE	3	56.5	41.4	b. V.	slight diffused Aurora.
18	52.2	55.	29.858	45.63	EbS	5	59	41.5	b. V.	KS.
19	57.7	56.4	29.692	42.43	SE	7½	58.1	46.1	b. V.	S. KS. at E horizon
20	54.	57.9	29.484	57.63	ESSE	5	58.4	47.	b. V.	KS. K.
21	51.	56.2	29.400	54.43	E½S	3	61.8	44.9	b. V.	
22	46.5	52.	29.748	50.43	WbN	1	52.4	40.9	b. V.	KS. diffused
23	40.	48.2	30.168	48.23	WbN	2½	48.3	37.1	b. V.	
24	38.9	50.1	30.345	44.53	SbE	1½	52.6	36.9	b. V.	(Therm & Bar. & Hyg. at 9.15)
25	44.1	51.	30.410	39.23	WbE	1½	56.7	34.	b. V.	
26	50.5	52.1	30.175	44.13	NSW	3	60.6	37.1	b. V.	KS.
27	44.9	50.6	29.990	41.73	N	4	55.6	44.7	b. V.	K.
28	47.1	51.1	29.727	44.23	WbS	3	53.8	42.8	b. V.	light rain
29	47.2	51.3	29.463	46.63	WbS	5	54.8	44.5	b. V.	KS. m. a few drops of rain.
30	43.8	54.	28.955	46.33	WbS	5	54.6	43.6	b. V.	Bar. leaving
mean	47.66	52.07	29.985				56.40	41.90		

1854	9 am			Hyg	Wind		Rain		
May	E	A	Bar.		Dir	Force	Square	Round	
D 1	47.9	48.5	28.751	47.53	WbS	8	0.019	0.028	b. v. K. strong blue sky Bar. rising
2	48.6	46.1	28.815	48.53	SW	4	0.022	0.150	b. v. K. (then Bar. & Hyg at 9 ^h 15 ^m)
3	48	48.1	29.112	47.53	S	4	0.031	0.025	b. v. L. K. KS
4	48.1	48	29.345	47.23	SWbW	1	0.050	0.059	b. v. h. KC. K
5	50	48.8	29.483	49.53	WSW	1	0.050	0.327	b. v. h. K
6	51.2	51	29.222	51.3	SWW	6	0.001	0.005	b. v. h. q. KS. CS. halo
7	49.1	48	29.140	49.93	WbS	5	0.095	0.120	b. v. q. KS. K. N in NE
8	49.3	48.1	29.123	49.23	NNW	2 1/2	0.135	0.206	b. v. K. KS
9	49.1	49	29.640	48.73	NW	3	0.070	0.070	b. v. KS. N in E. q
10	51.2	47.8	29.937	50.23	WSW	1/2	0.010	0.010	b. v. KS. CS. K
11	50.9	50.8	29.708	50.23	WNW	2	0.192	0.251	b. v. KS
12	54.5	51	29.916	52.33	SSW	4	0.081	0.001	b. v. q. KS
13	51.5	51	29.978	51.53	WbS	3	Trace	---	b. v. q. KS. K
14	54.7	51.5	29.983	54.23	WSW	3	Trace	---	b. v. q. KS. K
15	53.9	52.2	30.061	54.23	NbW	2	---	---	b. v. KS meagre and dark
16	53.2	51.5	30.140	53.23	WSW	1/2	---	---	Became with thin CS, some K halo. h. v
17	54.5	54	30.044	54.53	WbS	2	---	---	b. v. KS
18	50.6	52.8	30.039	50.13	NbW	0	---	---	b. v. Mizzle. K KS
19	56.2	53.2	30.073	56.23	WbN	0	---	---	b. h. C. CS. BSK
20	57.9	55.2	29.886	58.53	WSW	4	0.102	0.101	b. v. K. KS. CS. CK
21	58.2	54.	29.588	58.53	WSW	2	0.001	0.005	b. v. KS. K. q
22	49.5	52.5	29.153	49.53	SWbW	2	0.010	0.063	b. v. h. d. KS
23	48.8	48	29.212	48.23	S	2	0.372	0.377	b. v. KS. K. N in NE
24	51	48.5	29.404	50.53	SWbS	2	0.419	0.240	b. v. h. K
25	53.5	50	29.542	53.23	SE	7	0.311	---	b. v. h.
26	47.2	51.3	29.455	46.53	SE	4	0.004	0.005	b. v. v. N. KS.
27	53.5	51.6	29.424	52.53	ESE	2	0.030	0.252	b. v. K. KS. CS. N to south
28	54.1	50.4	29.403	54.23	W	0	0.285	---	b. v. m. K KS
29	54.8	51.0	29.465	54.63	NbE	2 1/2	0.198	0.193	b. v. m. K KS N
30	56	52.1	29.559	56.23	NbW	3	Trace	---	b. v. h. K KS; Thunder at 10 1/4
31	55.1	53.2	29.789	55.03	E 1/2 S	3	0.083	0.077	b. v. h. q. K. KS. CS
Mean	51.92	50.62	29.563			Sum	2.530	2.565	

1854	9 PM			Hyg	Wind		Max	Min	
May	E	A	Bar:		Dir	Force	T	T	
1	42.4	48,	28.771	41.22	SWWS	5	54.4	40.6	6. IV. K:KS. {heavy showers during the day? some of them with hail. Thunder at 2.20 heavy thunder about 8 miles to the S.E.
2	44.2	50	28.968	41.03	SW	3	56	38	6. V. KAC.S {at 2.20 heavy thunder about 8 miles to the S.E. hail at 5.30
3	43.8	50.8	29.248	42.4	SE6E	3	58	41	0. V. KS or Thunder in day
4	43.3	50.8	29.454	42.1	SSE	2	58.5	38.5	6. V. KS. CS. heavy thunder from 5 to 6 PM
5	47.7	52.2	29.378	42.2	S6E	5 1/2	58.5	38	6. V. q. K
6	42.6	50.1	29.192	42.1	SW6W	3	58.8	42.5	6. V. KS. CS
7	42.2	45.2	29.062	40.9	SW6S	5	54.2	39.5	6. V. q. KS. CS
8	45.5	50.1	29.352	41.2	W	1	55.2	41	0. V. d KS
9	43.1	50.3	29.895	42.4	NW	1	58	41	6. V. K
10	47.2	49.2	29.624	42.2	SSW	3 1/2	55	38	9.5. V. q. d. KS
11	48.5	51.2	29.895	42.2	W6S	2	56	40	6. V. CK. K
12	49.7	52.5	29.949	42.2	W 1/2 S	2	60.5	44	0. KS. K. V
13	48.8	52.8	30.008	42.2	WNW	1	59.5	45	6. V. KS
14	51.5	53.2	29.975	42.0	SW	3	58.3	44	0. V. KS. q
15	47.1	51.5	30.123	42.1	N6E	1	59.5	47	6. V. h
16	53.8	55.6	30.100	42.1	NW	0	64	43	6. V. CK. K
17	49.9	54.	30.022	42.2	NW6N	0	64	49	0 V KS
18	51.4	59.8	30.058	42.2	N6E	1 1/2	59	47.5	0 V KS
19	57.3	56.1	30.000	42.3	WSW	1	64.2	47.	0. V. KS
20	50.4	56.6	29.742	42.3	W6S	1	63.4	51	0. V. KS. CS
21	50.2	55.7	29.432	42.3	W 1/2 N	0	61.2	47.3	0. V. h. CK. KS
22	42.2	51.	29.147	42.3	SW 1/2 W	4	stuck	41.8	6. V. q. KS
23	44.3	51.	29.306	42.3	SW	0	56.	38	6. V. CK. K
24	46.7	52.5	29.484	42.3	SW 1/2 S	2	59.9	39.8	0. V. KS. K.
25	47.5	53.2	29.499	42.3	SE6E	2 1/2	57.3	43.5	6. V. K. KS
26	47.	52.5	29.458	42.3	NW	0	56.3	44	0. V. KS. q
27	47.3	53.4	29.438	42.3	SE	0	58.8	45.5	6 V CS. C
28	48	53.8	29.389	42.3	S	0	60.8	41.0	0 V m CS. KS.
29	48.5	54.3	29.533	42.3	NE6N	0	61.4	41.5	6 m G. CS Thunder from 3 to 4 1/2 in SE
30	50.8	54.5	29.638	42.3	SSE	2	60.4	44.9	6. V. KS. CS
31	52.1	56.	29.876	42.3	NE	2	63	49.2	6. V. h. traces of stratus.
Mean	47.60	52.82	29.584				54.70	42.63	

1854	9 Am				Wind		Rain		
June	E	A	Bar	Hys	Dir	Force	Sp	Qum	
1	56.9	53.5	29.884	56.53	N $\frac{1}{2}$ E	1	0.005	0.000	b. v. h. K
2	54.2	54.	29.861	54.3	NELN	6	0.0593	0.053	O. V. KS.
3	53.9	54.2	29.904	53.53	NE	4	0.0571	0.000	b. v. KS. K. CS. y
4	53.4	52.1	30.073	52.23	N $\frac{1}{2}$ E	4	—	—	b. v. K.
5	53.3	53.	30.091	52.23	N $\frac{1}{2}$ E	2 $\frac{1}{2}$	—	—	b. v. KS at S horizon
6	56.9	56.	30.080	52.33	N $\frac{1}{2}$ E	2	—	—	b. v. K
7	57.1	55.5	30.070	52.63	N	4	—	—	b. v. K: KS.
8	54.6	54.6	29.951	52.33	SW	2 $\frac{1}{2}$	—	—	O. VV. KS.
9	58.	56.3	29.824	52.43	NW $\frac{1}{2}$ W	4	—	—	O. V. K
10	54.3	54.9	29.748	52.43	W	2	0.0523	0.060	b. v. K. Hys = 54.13
11	54.	54.9	29.242	52.73	SSTW	7	0.0603	0.280	O. m. Heavy rain - Bar. heaving.
12	55.	53.5	29.136	52.73	SW	9.	0.1523	0.250	b. v. K: KS. CK
13	53.9	53.	29.151	52.73	SW	7+	0.2453	0.084	b. v. K
14	54.	53.	29.420	52.73	W	3 $\frac{1}{2}$	0.1403	0.077	b. v. K.
15	55.	54.1	29.598	52.73	N $\frac{1}{2}$ E	2	0.0703	0.020	b. v. K. a trace of stratus in S.
16	57.5	55.7	29.641	52.73	S $\frac{1}{2}$ W	2	0.0203	—	O. V. S. KS.
17	51.9	54.5	29.491	52.73	N $\frac{1}{2}$ E	3	0.0163	0.464	O. m. K: a reddish appearance in the SW
18	53.3	53.7	29.422	52.73	NE	5	0.4523	0.545	b. v. K: CK
19	57.6	54.3	29.538	52.73	SSW	2	0.4803	0.248	b. v. K. sky deep blue.
20	57.3	55.	29.620	52.73	SW	4	0.5003	0.078	O. V. K
21	54.	54.5	29.670	52.73	S $\frac{1}{2}$ W	5	0.2623	0.011	O. V. KS.
22	56.1	55.	29.891	52.73	S $\frac{1}{2}$ E	2	0.2873	0.009	O. V. m. KS
23	61.	58.1	29.875	52.73	SW $\frac{1}{2}$ S	3	0.0783	—	O. V. m. KS.
24	62.5	59.2	29.845	52.73	SSW	5	0.0053	0.105	O. V. K: KS. S.
25	59.1	58.5	29.641	52.73	S $\frac{1}{2}$ W	5	0.0843	—	O. V. KS.
26	53.	56.6	29.311	52.73	N $\frac{1}{2}$ E	3	0.0033	0.928	O. m. much rain
27	56.	54.4	29.276	52.73	SW	6 $\frac{1}{2}$	0.0043	1.360	b. v. K strong blue sky
28	56.5	54.2	29.461	52.73	N $\frac{1}{2}$ W	1	1.2223	0.037	O. V. K. a few drops of rain
29	54.	54.	29.591	52.73	N	2	1.2933	0.033	O. V. K: KS.
30	53.9	54.2	29.787	54.13	N	3	0.0383	0.009	b. v. CK. K.
Mean	55.64	54.79	29.669		Sum	4.119	4.493	4.654	

1854	9 PM			Wind		Max	Min	
Time	E	A	Bar	Hyg	Dir Force			
1	52.1	56.5	29.843	51.93 50.83	NW 6 W 2	63.5	45.	6. K.S. K. CS. v. h
2	51.5	54.9	29.853	51.23 48.23	N 2	58.	47.	6 C.K.S. v. m
3	50.5	55.1	29.985	50.63 47.53	N 1	61.1	48.6	6. V CS. S.
4	50.1	55.	30.092	50.13 48.33	NE 6 N 3	64.6	42.3	6. V.
5	53.	58.1	30.093	52.93 50.43	NE 6 N 2 1/2	68.6	44.1	6. V. S in N horizon
6	49.1	54.8	30.069	48.63 47.13	N 2	64.6	47.5	6. V. S in NW
7	48.5	55.7	30.032	47.83 45.33	N 8 W 1 1/2	62.9	48.	6. V.
8	53.	58.	29.897	53.73 49.63	NE 6 E 1 1/2	61.4	44.	0. V. S: K.S.
9	50.	54.9	29.715	49.23 47.23	W 3	63.6	50.4	6. V. K.S dispersed.
10	52.	57.2	29.635	51.93 48.53	SW 4	62.	44.	6. V. rain. n.
11	52.5	56.6	29.110	52.33 49.33	SW 6 W 7	60.8	49.	6. V. K: K.S.
12	48.5	55.1	29.195	48.43 45.53	SW 6 S 6	60.7	47.2	6. V. CS: S.
13	50.1	54.	29.257	49.93 48.23	SW 6 W 4	56.7	46.9	6. V. S: K: CK: CS.
14	53.5	56.1	29.493	53.53 50.43	W 2	64.2	46.4	6. V. K: CK.
15	55.1	58.2	29.689	53.63 50.73	NE 3	65.6	46.5	6. V. K: S: K.S.
16	50.1	56.9	29.588	49.73 47.73	N 1/2 E 2 1/2	63.3	49.	0. m. Heavy rain n
17	48.7	53.2	29.371	48.23 45.13	N 4	63.6	47.9	0. m. rain n
18	51.9	55.5	29.585	51.73 50.23	SE 3	59.2	48.	6. V. K: K.S.
19	51.6	56.	29.533	51.43 50.13	SW 2	60.5	51.6	6. V. K: K.S: CS: deep blue.
20	52.5	56.	29.715	52.53 49.63	SW 3	61.3	50.6	6. V. K.S. S.
21	53.	56.7	29.806	52.73 50.23	W 6 N 1 1/4	63.5	50.	6. V. S: CS. CK
22	59.5	58.6	29.887	59.63 56.63	SW 2	68.8	47.9	6. V. S.
23	59.4	59.1	29.898	59.73 56.63	SW 4	65.6	58.7	0. m. K.S. S.
24	58.	60.6	29.767	58.13 55.13	S 5	68.4	58.	0. V. m. K.S. n. light rain -
25	55.	59.5	29.595	55.23 54.23	NE 6 E 2	64.4	55.	0. m. K.S.
26	46.5	54.8	29.299	45.63 45.33	W 5 1/2	56.6	45.6	0. V. light rain.
27	51.4	57.	29.327	51.73 49.53	SE 2 1/2	62.	45.9	6. V. K: S: K.S
28	51.	56.8	29.552	50.53 49.13	NW 6 N 0	63.5	46.3	6. V. K.S: CK.
29	54.	56.4	29.716	53.43 51.83	NW 6 N 4	61.7	46.	6. V. K.S. CS. S.
30	52.	56.5	29.805	52.73 49.43	N 3	61.	50.2	0. V. K.
mean.	52.14	56.46	29.680			62.31	47.96	

1854	Term Observations				Wind		Rain		
	E	A	Bar.	Hygr.	Dir	Force	Square	Round	
June									
21. ¹¹ 6 ¹ / ₄ AM	52.	53.9	29.677	51.83 49.53	SSW	73	0.0085 0.0085	0.011	CS CS. S.
7 " 52.3	54.	.688	52.33	SSW	88				CS. S.
8 " 52.4	54.	.679	52.33	SSW	68				CS. S.
9 " 54.	54.5	.670	52.33	SBW	52				CS.
10 " 55.3	55.1	.675	52.33	SSW	48				Drizzle CS. m.
11 " 55.4	55.6	.683	53.33	SBW	55	0.001			CS.
12 Noon	57.	56.	.688	53.33	SBW	58	drops		CS. CS. n Drizzle
1 PM	58.	58.	.689	53.33	SBW	66			CS. K. Bar: heaving a little
2 " 59.	57.	.699	53.33	SW	91	0.0033 0.0095	0.009		n. K. Light rain
3 " 60.1	57.2	.707	53.33	SW	126				K: K
4 " 59.2	57.1	.711	53.33	SW	89	drops			K. n. Light rain
5 " 62.	57.5	.711	53.33	SWBW	91				K. CS. CK.
6 " 63.1	57.3	.729	53.33	WSW	90				K: C. CK.
7 " 63.	57.3	.760	53.33	WSW	128				ms. The sun shining on the dry built K. well defined against strong blue sky
8 " 56.	57.1	.783	53.33	WSW	81				K: CK
9 " 53.	56.7	.806	53.33	WSW	140				S. CS. CK.
10 " 51.	56.3	.820	53.33	WSW	252				C: CS.
11 " 50.1	56.	.823	53.33	WSW	165				C.
midnight	49.6	55.8	.832	49.43	WSW	182			CS.
22 nd 1 AM	48.2	54.5	.835	47.73	SW	215			CS.
2 nd 2 AM	48.4	53.3	.832	47.73	SSW	135			CS. S.
3 " 47.7	53.	.841	47.73	SSW	220				S. w NE.
4 " 47.6	53.1	.843	47.73	SBW	125				
5 " 50.	53.	.855	47.73	SWBS	120				thin CS - 4 MS.
6 " 51.5	53.3	.863	49.23	SWBS	125				S.
7 " .			50.33						

1854	9 Am			Wind			Rain			
July	E	A	Bar:	Hygr:	Dir	Force	Square	Round		
1	55.1	55.1	29.785	55.9	NbW	1½	0.0017	0.001	0. V.	K.
2	60.3	56.5	29.671	60.4	WbS	3	0.0017	0.001	0. V.	H.
3	59.	58.3	29.308	58.7	E	1	0.2127	0.222	0. m.	n. light rain.
4	53.6	56.	29.355	53.6	NW	3	0.3583	0.356	0. VV.	K: KS.
5	51.3	54.6	29.475	50.7	NW	4	0.3583	0.498	0. m.	light rain n. (at 9 ¹⁵ m)
6	53.	54.	29.461	52.2	N	1¾	0.2573	0.252	0. V.	do n. KS.
7	56.	55.1	29.606	53.5	NNE	3	0.7467	0.650	at 1.15 m a heavy shower lasting 20 ^m during which 0.285 in fell	
8	56.8	55.4	29.709	56.7	N	2	0.7313	—	0. V. m.	KS.
9	58.2	57.	29.730	58.3	NNE	3	—	—	0. V.	KS
10	56.	57.8	29.857	53.5	E	0	0.0387	0.038	0. V. m.	K. n. light rain.
11	55.	56.	29.829	54.9	NbW	1½	0.0443	0.058	0. V.	K.
12	59.4	55.6	29.801	59.4	NbW	2	0.0607	—	b. V.	CS. S.
13	56.8	57.2	29.721	56.7	WSW	2	0.0493	—	0. V.	K.
14	59.2	58.1	29.577	56.4	WbN	2	0.1077	0.109	0. V.	K.
15	59.	56.2	29.685	58.7	W	2	0.1203	0.045	0. VV.	K.
16	59.6	58.	29.707	58.9	SSE	5	0.0453	0.003	0. m.	K.
17	59.6	56.4	29.757	59.7	S	5	0.0003	0.122	b. V.	K. deep blue sky
18	60.	57.1	29.761	60.2	SSE	5	0.0933	0.035	0. V.	K. KS.
19	59.	58.	29.459	58.1	SSW	7+	0.0433	0.143	0. V.	K
20	58.1	56.1	29.823	58.3	SbW	4	0.0903	0.010	0. V.	KS
21	59.3	57.1	29.931	57.6	SSW	2	0.0043	0.836	0. V.	KS. { Ther + Bar + Hyg: at 9 ¹⁵ m
22	64.5	61.1	29.757	60.2	SW	7	0.0113	0.047	0. V.	K. n. light rain.
23	57.	58.	30.023	57.6	SW	3	0.9233	—	0. V.	KS.
24	59.7	58.1	30.037	59.4	NbW	2	0.0503	—	b. V.	K: CK
25	58.	58.7	30.087	58.2	N	4	—	—	b. V.	K: CK
26	59.9	58.	30.057	59.7	NNE	2	—	—	b. V. R.	K. CK. C
27	59.	58.1	30.044	58.9	NNE	4	—	—	b. V.	K: CK
28	61.6	59.	30.110	61.3	E	4	—	—	b. V.	
29	58.5	60.6	29.929	58.4	SE	4	0.0663	0.077	0. m.	rain m.
30	62.7	61.4	29.715	62.2	SSE	3	0.0703	0.071	0. V.	KS.
31	57.6	59.5	29.506	57.7	SSW	4	0.0613	0.706	0. V.	K
mean	58.16	57.33	29.748				4.227	4.780		
							5.2475			

1854	9 Pm.				Wind		Max:	Min.		
July	E	A	Bar:	Wg ^h	Dir	Force	T	T		
1	54.3	57.8	29.750	54.33	S	1+	65.4	53.	b. v.	CS. S
2	60.7	60.1	29.555	52.53	S	3	69.4	52.8	b. v.	K. KS. CK.
3	53.4	57.5	29.229	52.93	WbS	4	61.7	53.3	o. m.	Heavy Rain -
4	57.9	56.8	29.441	52.23	SWbW	2	59.4	57.4	o. m.	Much Rain -
5	50.	54.7	29.557	50.63	SWbW	2	55.	49.3	o. m.	do
6	53.7	56.	29.533	49.33	N $\frac{1}{2}$ E	1 $\frac{1}{2}$	61.7	50.	o. m.	K: KS.
7	54.4	57.5	29.669	53.33	NbE	3	62.5	52.	o. v.	Much Thunder between 2 Pm. & 3 Pm. K: KS.
8	54.7	58.3	29.745	52.43	N	1 $\frac{1}{2}$	65.5	50.5	b. v. m.	K: CK.
9	56.8	59.9	29.797	52.13	N	2 $\frac{1}{2}$	64.6	50.9	b. v.	K: KS. CK.
10	50.	56.7	29.883	52.93	NbW	2	59.2	50.6	b. v.	S. KS. CS.
11	51.5	58.5	29.825	47.43	N	1	64.	46.	b. v.	K
12	54.	55.6	29.834	51.23	NW	2 $\frac{1}{4}$	65.1	49.	o. v.	K.
13	59	59.	29.589	53.93	SWbW	- 2	62.4	52.7	o. v.	
14	54.9	59.	29.585	52.23	SWbW	2	62.1	55.	b. v.	Kb: KS.
15	57.	59.2	29.755	52.73	S	2 $\frac{1}{2}$	65.	47.8	b. v.	K
16	55.6	60.	29.735	53.13	SW	1 $\frac{1}{2}$	64.7	54.4	b. v.	CS. KS.
17	57.	60.5	29.780	52.63	SSW	3	66.5	50.6	b. v.	m. s. KS. rain.
18	55.6	59.2	29.584	53.53	SEbS	6	64.7	53.	o. v. g.	N. KS.
19	54.3	59.4	29.708	53.53	SSW	4	65.	54.	b. v.	K. KS. S.
20	54.1	57.8	29.833	52.33	NbE	1 $\frac{1}{2}$	67.4	50.	b. v.	K. S. KS. { Much Thunder in SW at 6 Pm. & very heavy rain there & previously.
21	60.	60.	29.793	53.83	S	6 $\frac{1}{2}$	63.	51.6	o. v.	KS.
22	57.7	62.5	29.966	52.73	SWbW	2 $\frac{1}{2}$	69.9	58.9	b. v.	KS. CS. S.
23	56.9	57.9	30.047	52.13	SW	1 $\frac{1}{2}$	67.3	51.5	b. v.	CK: K.
24	56.	60.6	30.049	52.23	N	3	69.6	50.8	b. v.	KS.
25	51.4	60.	30.079	53.23	NbW	2	63.6	49.5	b. v.	CS. S dispersed in streak -
26	57.	62.6	30.039	50.63	NbE	2	66.9	50.6	b. v. h.	K: CK. in W
27	57.	61.4	30.076	49.43	NEbE	2 $\frac{1}{2}$	66.	50.8	b. v.	
28	55.	62.1	30.050	54.23	SEbE	2	68.5	49.4	b. v.	C: S. CS.
29	59.	61.1	29.807	53.13	SE	3	60.6	55.	o. m.	KS. K.
30	59.	62.6	29.573	52.23	SW	1 $\frac{1}{2}$	68.4	59.	o. m.	KS. S
31	56.	60.3	29.489	52.73	SSW	1	63.5	53.1	o. v.	Thunder shower between 1 Pm & 1 $\frac{1}{2}$ Pm. during which a. 4.68 rain S. KS.
Mean	55.42	58.99	29.753				64.10	51.55		

1854	9 ^N AM			Wind		Rain			
August	E	I	Bar.	Hyg.	Dir	Force	Square	Round	
1	58.1	59.	29.549	57.9 } 57.3 }	W	2	0.017 } 0.024 }	0.015	0. V. K.
2	57.9	59.	29.696	57.6 } 56.2 }	Wb S	1	0.194 } 0.203 }	0.154	0. V. KS
3	57.3	58.	29.855	57.6 } 57.3 }	SW	3	0.001 }	0.001	0. VV. K.
4	56.6	55.1	29.947	57.1 } 57.1 }	SW	1	—	—	0. Y. K
5	55.5	54.1	30.021	57.2 } 57.8 }	SW	2	—	—	0. VV. K: CK
6	59.3	58.3	30.048	57.7 } 57.3 }	SW	2	0.007 } 0.015 }	0.011	0. VV. K. CK
7	59.7	60.	29.970	57.2 } 56.2 }	SW	0	0.001	0.001	0. V. KS.
8	58.	60.5	29.825	57.2 } 57.7 }	SSTV	3	0.347 } 0.390 }	0.397	0. Y. KS. S.
9	60.	59.5	29.723	57.3 } 57.3 }	SW	4	0.072 } 0.095 }	0.080	0. VV. KS. K
10	58.5	58.	29.711	57.6 } 57.5 }	SW	2	0.306 } 0.349 }	0.282	0. VV. KS.
11	58.	56.2	29.720	57.5 } 57.5 }	SW	3	0.035 } 0.063 }	0.032	0. VV. K. CK
12	61.5	60.3	29.425	62.3 } 60.5 }	S	6	0.460 } 0.194 }	0.222	0. V. g. K. Bar: heaving.
13	57.4	58.8	29.651	57.3 } 57.3 }	SW	0	—	—	0. V. K. CK.
14	57.4	58.	29.621	57.6 } 57.7 }	Wb S	2½	Drops	Drops	0. VV. K
15	55.6	55.8	29.640	57.6 } 57.7 }	SSTV	2	0.068 } 0.080 }	0.070	0. V. K. KS.
16	58.4	56.1	29.781	57.7 } 57.7 }	W	2½	0.123 } 0.196 }	0.152	0. Y. K. KS.
17	57.2	56.1	29.855	57.2 } 57.2 }	WSTV	2	0.090 } 0.115 }	0.102	0. VV. K. strongly marked against deep blue sky
18	57.1	57.	29.939	57.4 } 57.4 }	SW	3½	0.003 } 0.008 }	0.005	0. V. KS.
19	62.	60.2	29.812	61.4 } 61.4 }	SSTV	4	0.113 } 0.164 }	0.190	0. V. KS. K
20	59.4	57.8	29.796	57.7 } 56.3 }	SWb S	2	0.004 } 0.012 }	0.010	0. VV. K.
21	63.3	60.4	29.323	64.3 } 60.9 }	SSTV	7	0.150 } 0.223 }	0.180	0. VV. g. K.
22	55.6	57.1	29.612	57.5 } 57.2 }	SW	4	0.012 } 0.025 }	0.020	0. VV. g. Rain n. KS.
23	52.9	55.1	29.620	57.3 } 57.1 }	SSE	5	0.290 } 0.380 }	0.420	0. m. Heavy rain
24	59.4	58.3	29.571	60.1 } 58.3 }	SW	7+	0.045 } 0.050 }	0.090	0. V. g. K: KS. Bar: heaving.
25	57.7	56.2	30.131	58.1 } 58.1 }	SW	2	0.005 } 0.018 }	0.020	0. VV. C: CS. S.
26	63.3	60.5	30.240	64.3 } 62.2 }	SW	2	—	—	0. V. KS.
27	65.	62.1	30.317	65.9 } 63.1 }	SSTV	3	—	—	0. V. KS
28	64.3	62.1	30.336	64.9 } 61.4 }	SW	4	—	—	0. V. C: K: CK
29	63.3	63.5	30.303	64.1 } 61.1 }	SW	2	Drops	—	0. V. KS.
30	63.8	62.	30.055	64.7 } 60.7 }	SSTV	5	80	—	0. V. K
31	56.	57.1	30.170	57.9 } 57.9 }	Wb S	2½	—	—	0. VV. K: CK
mean	59.15	58.46	29.870			sum =	2.131 2.583	2.454	

1854	9 th Pm			Hg	Wind		Max	Min		
August	E	I	Bar:		Dir.	Force	T	T		
1	56.3	60.1	29.611	56.17	SWbW	2	62.1	54.5	o. v.	KS.
2	53.3	59.3	29.817	52.73	SWbW	3	63.	53.4	b. v.	KS.
3	50.6	58.3	29.929	50.3	SW	0	61.4	50.4	⁹ b. v.	
4	50.	57.2	29.994	49.3	SWbS	0	59.6	46.	¹⁰ b. v.	C: CS. K: CK
5	57.5	59.1	30.051	48.8	SW	1	63.8	46.6	b. v.	KS.
6	56.4	55.4	30.021	47.1	SW	2 1/2	67.	55.	b. v.	KS.
7	60.4	62.	29.930	52.4	SW	1	68.5	54.7	b. v.	KS. K.
8	58.	62.	29.748	56.5	SW	2	66.9	57.5	b. v.	K: KS. CS.
9	54.2	60.6	29.695	57.7	SWbS	2	64.6	52.7	b. v.	S. C: CS.
10	55.	53.5	29.729	53.4	SWbS	2	63.5	50.4	b. v.	KS. S
11	58.4	60.2	29.536	53.2	SW	5	63.2	48.	b. v.	KS
(at 11 1/2)	56.1	61.6	29.585	57.8	SW	3	67.6	56.8	o. v.	S. (@ 11.30 ^{am})
13	55.	61.	29.620	54.3	SW	0	64.5	53.	b. v.	K.
14	57.1	60.	29.659	54.7	SWbS	2 1/2	62.5	51.6	b. v.	S
15	52.	58.1	29.696	50.5	W	1	60.4	47.6	b. v.	light rain. S. K.
16	52.	58.	29.857	51.6	W	2	60.1	49.	b. v.	K.
17	52.9	58.	29.945	50.9	WbS	1	62.8	51.	b. v.	KS (at 9.50 ^{am})
18	61.2	60.1	29.901	52.0	SW	3	67.6	51.5	b. v.	K.
19	59.1	61.	29.773	61.6	SW	3 1/2	66.8	59.	b. v.	KS
20	58.	61.	29.687	59.3	SW	1	66.5	51.5	b. v.	K.
21	54.4	60.8	29.491	58.1	SW	3 1/2	65.6	54.7	b. v.	K.
22	53.	60.1	29.869	54.1	SW	2	62.5	51.	b. v.	KS. S.
23	58.5	60.	29.597	52.4	SW	4	67.5	50.	b. v.	KS.
24	54.1	60.1	29.889	58.5	W	1	63.7	54.6	b. v.	K. S.
25	58.7	61.4	30.199	53.8	SWbW	2	66.5	49.3	b. v.	KS.
26	63.5	63.	30.257	52.1	SW	2	71.4	58.6	b. v.	KS.
27	64.3	64.	30.330	56.5	WbS	1	73.5	61.9	b. v.	K. KS.
28	63.7	65.1	30.335	61.0	SW	1	71.4	58.9	b. v.	KS.
29	60.2	64.	30.150	62.3	SW	3 1/4	68.7	60.8	b. v.	
30	54.	62.1	30.111	63.7	SW	1	57.7	54.7	b. v.	KS. S
31	54.	61.4	30.215	53.6	SW	0	63.1	47.	b. v.	S.
mean	55.99	60.03	29.878	57.4			64.53	52.62		

1854.	9 th till			Hyg ²	Wind		Rain		
Sept ^r	E.	A	Bar.		Dir.	Force	Squares	Round	
2 1	53.6	56,	30.171	53.4	NEW	1			b. v. m. CK
2	63.5	60,	30.119	52.7	S	4			b. v. c. cs.
3	63.3	63,	30.189	57.4	SW	2			o. v. ks.
4	64.	62.5	30.245	60.7	SSW	2			b. v. K. CK. S
5	61.6	62.1	30.373	61.9	NbE	2			o. v. s. ks.
6	60,	61.1	30.280	57.3	SWbW	1			b. m
7	57.4	61.1	30.210	57.7	NbE	3			o. v. ks.
8	60.6	61.1	30.145	61.4	SEbE	5	drops of dew	80	b. v. ks. cs. CK
9	59.	59.8	30.042	59.7	SEbE	3½		0.011	b. m. K.
10	58.	58.6	29.970	56.7	SE	5		drops of dew	o. v. ks
11	59.3	58.9	29.887	55.4	SW	4		20	o. v. ks. s.
12	61.4	59.4	29.568	61.6	SEbS	6½		drops	b. v. g. s. c. cs.
13	57.	58,	29.548	57.7	SE	5	0.196	0.310	b. v. g. s. cs
14	58.9	59,	29.403	58.7	SSW	5½	0.250	0.167	b. v. g. K
15	57.5	56.6	29.627	54.3	SW	3	0.102	0.010	b. v. ks. s
16	64.8	69,	29.429	55.7	SSW	6	0.159	0.128	b. v. K.
17	58.9	58.3	29.471	65.5	SSW	4	0.009		b. v. K
18	55.7	56.6	29.636	61.6	S	7	0.134	0.123	o. v. g. drizzle. m. ks.
19	55.4	55.9	29.728	57.1	S	3	0.190	0.405	o m. drizzle
20	54.4	56,	29.690	52.0	SW	4	0.100	0.370	b. v. K: s. c. CK (Ther. Bar. Hyg. at 9.17 ^m)
21	52.0	55.9	30.020	52.4	SWbW	4	0.129	0.148	b. v. cs. CK. ks
22	57	53,	30.228	52.2	SWbS	3	0.159		o. v
23	54.3	54.9	30.035	49.2	SSW	5½	0.265	0.057	o. v. ks. s
24	56.	56.8	29.722	52.4	WSW	3	0.330	0.337	o. v. K
25	57.3	52.3	30.177	52.5	SWbS	4	0.267	0.002	b. m. cs.
26	54.	54.	30.138	51.3	SSW	2¾	0.002		b. v. CK. s. cs
27	52.7	54.1	30.111	49.	NWbS	0			b. m
28	51.3	53.9	29.957	52.2	NWbS	0	drops	0.003	b. v. c. cs. K. s.
29	51.1	54.1	30.915	52.6	SSW	1	0.004	0.011	fog.
30	55.4	65.6	30.060	50.9	SW	3	0.007	0.002	o. v. K
				53.5			0.000		
				53.5			0.003		
mean	57.11	57.58	29.939				1.253	2.084	
							1.645		

1854.	9 ^h PM			Hyg.	Wind		Max	Min		
Sept.	El	A	Bar:	"	Dir.	Force	T	T		
1	57.4	61.2	30.103	57.43	SS E	4	63.8	47.	0. V.	KS.
2	63.1	65.4	30.146	55.13	SW	2	72.4	55.	6. V.	K
3	64.5	65.6	30.169	61.6	S	3	73.4	60.	2. V.	K. C. CH.
4	57.	64.	30.342	61.2	N	2	70.4	56.3	0. V.	KS.
5	58.	65	30.349	57.43	S ¹ / ₂ E	1	70.6	55.6	6. V. m.	
6	59.	64.	30.236	56.23	N	2	66.5	54.	10. V.	K.
7	56.3	63.8	30.150	58.1	NNE	1	65.	53.5	0. m. C.S	
8	54.7	61.5	30.091	55.93	Eb S	1	66.	52.8	6. m.	
9	55.1	60.	29.980	53.43	SEb S	4	62.5	51.	10. V.	
10	58.5	61.4	29.937	51.63	SE E	4 ¹ / ₂	63.7	52.	10. V.	K: CH
11	57.9	52.4	29.816	58.53	SEb S	2	66.5	53.5	0. V.	a white Aurora in N.W. low.
12	56.	62.5	29.490	57.73	SW	3	65.	53.7	10. V.	K.
13	55.1	60.	29.393	54.83	SSW	5	63.1	51.4	0. V.	K
14	53.3	60.3	29.477	55.63	SSW	5	61.5	52.6	6. V. g.	K. in W
15	58.5	50.4	29.512	53.1	SSW	6	61.8	50.9	9. V. g.	KS. S.
16	57.4	61.4	29.409	55.33	SE E	3	66.2	57.6	6. V.	KS.
17	53.	59.3	29.669	52.63	SSW	3	61.6	53.	6. V.	S.
18	52.4	57.2	29.715	50.9	SSW	3	58.	50.7	6. V.	S. stars very dim
19	57.7	57.5	29.570	52.43	SSW	6	57.	50.9	0.3 g.	m. KS.
20	49.4	56.4	29.768	51.13	SWb S	5	58.6	49.6	6. V. g.	SSW. N. in W. heavy rain 5 minutes after.
21	48.	56.2	30.220	49.23	WSW S	3 ¹ / ₂	56.5	48.5	9. V.	KS.
22	53.1	55.	30.111	47.53	SWb W	3	54.7	43.7	0. V.	KS
23	57.	56.2	29.857	52.13	SSW	5 ¹ / ₂	53.	51.9	0. g.	m. light rain.
24	48.5	55.	30.007	57.13	WSW	2	57.5	48.5	6. m.	stars dim
25	53.5	56.1	30.181	45.23	SSW	2 ¹ / ₂	57.9	44.6	10. g.	KS. a few stars faintly seen.
26	52.7	56.3	30.095	51.23	SE E	2 ¹ / ₂	59.5	48.5	0. g.	Slight Aurora, low in N.
27	54.	58.3	30.050	52.53	SE ¹ / ₂ S	4	60.4	46.6	6. V.	
28	52.1	58.5	29.936	50.73	S ¹ / ₂ E	2 ¹ / ₂	60.6	44.7	10. m.	
29	51.6	58.	30.037	51.73	SW	1 ¹ / ₂	59.6	47.3	6. V.	KS.
30	55.1	57.1	30.089	50.33	SSW	1	59.4	44.	8. V.	KS.
mean	55.32	59.53	29.929	54.13			62.04	50.57		

1854	Term Observations			Wind			Rain		
Sept	E	A	Bar	Hyg	Dir	Force	Square	Round	
21 st 6 Am	50.1	54.9	29.916	49.9 } 48.2 }	WSW	111	0.090 } 0.135 }	0.141	6. vv. K. N. rain immediately after
7 -	51.1	55.1	29.961	48.7 } 48.7 }	Wb N	202	0.003 } 0.008 }	0.407	6. vv. K.
8 -	52.	55.1	29.989	52.1 } 49.1 }	W. NW	58	Drops	—	6. vv. K. CK.
9 -	52.	55.9	30.020	51.6 } 48.6 }	NWb W	64	—	—	6. vv. CS. CK. K. S.
10 -	54.	56.6	30.037	52.4 } 48.2 }	NWb W	41	—	—	6. vv. K. KS.
11 -	53.	59.	30.064	52.3 } 48.8 }	NWb W	55	—	—	6. vv. K.
Noon	54.6	59.7	30.080	52.6 } 48.2 }	NWb W	53	—	—	6. vv. 9. K. CK.
1 Pm	55.3	60.	30.110	53.5 } 49.1 }	NWb W	100	—	—	6. vv. K.
2 -	55.6	60.	30.118	53.8 } 49.4 }	W. NW	89	—	—	6. vv. K. CK.
3 -	53.8	60.2	30.138	53.5 } 49.8 }	W. NW	116	—	—	6. vv. K.
4 -	55.	60.	30.147	52.5 } 48.5 }	W. NW	133	—	—	6. vv. K.
5 -	53.5	59.	30.170	53.2 } 49.	Wb N	83	—	—	6. vv. K.
6 -	51.7	58.2	30.181	50.8 } 47.4 }	W. NW	190	Drops	Drops	6. vv. K. KS. CK.
7 -	48.3	57.5	30.202	47.4 } 45.9 }	Wb N	148	—	—	6. vv. K. KS.
8 -	49.2	56.7	30.217	49.1 } 47.1 }	W. NW	460	Drops	Drops	6. vv. K.
9 -	48.	56.2	30.220	47.1 } 46.1 }	W. NW	73	—	—	6. vv. KS.
10 -	46.9	56.	30.221	46.1 } 45.3 }	WSW S	221	—	—	6. vv. Slight Aurora -
11 -	47.	55.8	30.226	46.3 } 45.1 }	SW	100	—	—	6. vv. K. do diffused
12 -	45.5	55.3	30.223	46.5 } 45.9 }	SWb S	144	—	—	6. vv. do
22 nd 1 Am	46.	54.5	30.213	45.4 } 44.1 }	SWb S	116	—	—	6. vv. Aurora, brighter; but at horizon
2 -	46.	54.2	30.210	45.1 } 44.1 }	SW	134	—	—	6. vv. do, still brighter & more concentrated
3 -	45.	54.	30.216	45.3 } 43.2 }	SWb S	94	—	—	6. vv. Aurora faint -
4 -	44.	53.4	30.223	43.2 } 42.7 }	SW	129	—	—	6. vv. KS in E.
5 -	44.	53.	30.225	43.3 } 42.9 }	SSW	138	—	—	6. vv. K. S.
6 -	44.	52.2	30.223	43.3 } 42.1 }	SSW	99	—	—	6. vv. KS.
		28.6	29.511						

1854	9 th A.M.			Hys.	Wind		Rain				
Ref.	E	A	Bar.		Dir	Force	Square	Round			
1	54.5	56.	30.068	54.53	SSW	4	—	Drops	0. Y.	KS.	
2	56.5	58.8	29.863	57.73	SSW	2½	—	—	0. Y.	KS. S.	
3	51.	54.	29.740	54.43	SWbE	1½	0.021	0.076	6. V.	K. CK	
4	49.	52.2	29.482	48.33	SE	5	0.044	0.053	0. m.	n. rain	
5	53.5	58.5	29.168	53.43	SSW	7	0.036	0.037	0.050	6. V. g.	K. CK
6	45.9	49.4	29.456	50.33	SW	4	0.015	0.011	0.019	6. Y.	CS. KS.
7	45.	49.	29.990	44.63	SE	3	0.006	—	0.010	6. V.	CS. CK. K. S.
8	45.	47.	29.803	42.23	SW	0	—	Drops	6. V. m.	—	
9	54.5	53.2	29.543	44.33	SW	2½	0.202	0.190	0.219	0. m.	KS. (T. Bar. Hys. at 9 th 12 ^m)
10	57.2	55.	29.673	52.33	S	5	0.219	0.003	0.003	0. V. g.	KS
11	49.1	53.	30.025	55.73	WSW	1½	0.384	0.384	0.380	6. Y. m	—
12	48.6	50.1	30.340	47.23	SE	4	0.380	0.011	0.008	6. m	—
13	54.4	53.	30.173	46.33	SSW	3	0.008	—	0.010	0. Y. g.	KS.
14	55.3	54.3	30.051	52.13	SW	4½	—	—	—	0. Y.	KS.
15	51.8	54.5	29.933	55.33	SWbW	2½	0.034	0.074	0.050	0. Y.	KS.
16	44.6	49.9	29.827	50.33	SW	3	0.005	0.006	0.005	0. m.	S. KS. (T. Bar. Hys. @ 9 th 10 ^m)
17	42.	48.	29.371	42.63	SWbE	4	0.011	0.110	0.082	0. m.	rain N (D ^o)
18	43.5	46.	29.717	42.13	SW	5	0.082	0.011	0.110	0. V. g.	KS. K. S.
19	45.	47.	29.555	43.23	SWbS	3	0.011	0.001	0.003	0. Y.	KS
20	47.5	48.4	29.269	44.83	WbS	3	0.003	0.040	0.003	0. Y. g.	N. KS. light rain
21	47.	48.	29.454	42.83	SSW	4	0.022	0.038	0.027	0. m.	KS. S. (T. Bar. Hys. @ 9 th 11 ^m)
22	46.5	48.2	29.263	44.93	WbS	4	0.038	0.288	0.036	6. V.	KS. CS
23	42.4	35.5	29.037	42.63	SSW	6	0.288	0.041	0.270	6. Y.	K. S. CK (heavy hail at 11 AM)
24	42.	44.	29.032	41.43	SW	4½	0.041	0.103	0.051	6. V.	KS. S. K (heavy hail at 11 AM)
25	37.5	42.	28.937	40.33	S	2	0.103	0.057	0.136	6. Y.	K. S. (R. G. partly frozen.)
26	37.	41.1	29.401	37.33	SWbW	1½	0.057	0.001	0.060	6. m.	K. S. CS.
27	45.	43.	29.837	42.73	SE	6	0.001	0.001	0.017	0. Y.	S
28	54.5	52.	29.536	52.73	SE	10	0.001	1.664	0.002	0. m. g.	heavy rain
29	52.1	52.	29.663	50.63	SW	3	1.664	0.138	1.215	6. m.	S. KS. CK (T. Bar. Hys. at 9 th 12 ^m)
30	50.2	50.	29.751	50.43	SEbE	7	0.138	—	0.068	6. Y. g.	S. CS. Bar. freezing
31	48.5	50.3	29.719	48.73	S	4	0.068	0.061	0.022	6. Y.	CS. S. C
mean	48.31	49.53	29.635				2.012	3.399	2.902		

1854	9 th P.M.			Therm?	Wind		Max:	Min:		
Oct	E	A	Bar		Dir.	Force.	Therm:	Therm:		
1	54.2	56.4	30.007	54.27	SW	2½	54.5	53.	0. r.	KS. <i>What a slight variation of Temperature for 24 hours</i>
2	56.	56.	29.532	53.23	SSW	2½ 5	59.3	53.	0. r. g. K.	
3	44.	53.1	29.791	52.3	WbN	1	57.1	43.7	b. v.	CK.
4	54.2	54.8	29.353	43.33	SW	4½	58.4	42.7	b. v. g. K.	
5	47.	54.	29.237	41.4	SSW	4	58.5	47.5	b. v.	CK. K.
6	43.	51.5	29.734	52.23	NNW	2	58.3	41.	b. v.	KS. in 88
7	42.	50.5	30.000	46.4	NNE	2	49.7	39.4	b. v.	very thin stratus at S.
8	52.3	52.9	29.607	42.1	SE	2	56.7	37.	b. m.	KS. n. light rain
9	53.3	56.	29.636	41.3	SW	2½	59.	51.7	b. v.	CK. K.
10	52.5	57.	29.661	39.	WSW	1	62.1	51.7	b. m.	KS. K. S.
11	47.	54.7	30.283	52.3	SW	3	53.5	45.	b. v.	C. co. S.
12	49.2	54.3	30.245	46.4	SbE	5	55.1	42.6	b. v.	S. KS.
13	54.8	55.1	30.111	49.3	SSW	3½	57.	48.	b. v.	K.
14	55.6	55.6	29.920	54.9	S½W	7	57.1	53.4	0. g. r.	K.
15	44.1	54.3	30.020	55.6	SSW	2½	54.7	44.3	b. m.	
16	41.6	50.3	29.443	52.9	WbW	2	47.7	41.5	b. m.	S.
17	46.	49.3	29.575	43.53	SW	5½	46.4	40.5	b. m.	S.
18	42.	47.7	29.693	42.1	WbW	1	44.6	40.	0. g.	K. KS. (at 9 th 52 ^m)
19	50.2	50.	29.271	41.5	WSW	3	51.4	41.4	b. v.	KS.
20	46.9	49.3	29.470	39.6	WbN	4	49.5	44.9	b. g.	KS.
21	47.7	50.	29.280	48.3	SSW	3	47.9	44.6	0. g.	N. light rain
22	41.2	49.	29.210	46.1	SSW	2½	50.3	40.8	b. v.	S.
23	38.	45.6	29.085	47.	SW	4½	44.4	37.6	b. v.	S. KS.
24	36.5	46.6	28.933	37.4	S	2	45.3	36.3	b. v.	Thin! Aurora
25	37.	46.	29.050	36.6	S	3	45.	33.5	b. v.	KS.
26	37.4	45.4	29.768	36.3	SW	2	47.5	32.	b. v.	
27	50.6	48.7	29.556	36.9	SE	10	49.	36.6	0. g. r.	heavy rain
28	54.	52.	29.665	50.5	SSW	4	56.3	49.5	0. v.	K. KS. (at 9 th 15 ^m)
29	48.7	52.4	29.835	49.7	SbE	4½	54.5	48.4	b. v.	
30	54.	53.	29.493	52.3	SE	7	54.6	46.7	0. g. d. g.	m.
31	47.	51.1	29.832	43.3	SbE	6	54.3	46.6	b. v. g.	S. CS.
mean	47.36	51.71	29.623				52.55	43.33		

1854	9 th AM			Hyg.	Wind		Rain			
November	E	A	Bar.		Dir	Force	Square	Round		
1	51.3	50.4	29.940	51.52	SbE	4	—	drops	0. Y. q.	KS. S.
2	52.	51.1	29.983	52.23	SS E	5 $\frac{1}{2}$	—	—	b. Y. q.	K. S. KS.
3	43.	47.1	30.221	42.43	SWbS	1 $\frac{3}{4}$	0.3883	0.428	b. Y.	K. round horizon
4	48.	49.	30.079	47.63	SWbS	4	0.4253	0.005	10	0. m.
5	49.9	50.1	30.028	47.63	WbS	2	0.0013	0.005	2	b. YV.
6	46.	48.1	30.300	46.33	SWbW	1	0.0033	—	—	b. m.
7	47.	48.5	30.353	47.13	SSW	4	—	—	—	b. V.
8	50.6	45.	30.069	45.23	WSW	2	—	0.005	0 m.	dizzle
9	36.3	43.6	30.287	35.53	SWbW	$\frac{1}{2}$	—	0.417	b. m.	Rain-gauges partly frozen
10	42.5	44.1	30.100	34.23	SWbW	3	0.0153	0.002	10	0. V.
11	49.	47.5	29.991	42.83	W	2	0.0103	0.146	0. VV.	S. CS
12	44.5	46.5	30.113	42.33	SbW	0	0.0643	0.007	0. m.	K. (Ther. Bar & Hyg. at 9.10 ^m)
13	47.5	47.	29.573	43.53	SS E	6	0.0663	0.020	0. Y.	KS
14	38.4	43.	29.337	42.43	SbW	3	0.0173	0.042	10	KS. S
15	41.8	45.1	29.738	38.53	S	4 $\frac{1}{2}$	0.0223	0.496	0. Y.	b. m.
16	41.	44.	29.050	41.43	NE $\frac{1}{2}$ N	1 $\frac{1}{2}$	0.3683	0.026	0. V.	K. KS (Ther. Bar & Hyg. at 9.16 ^m)
17	45.5	46.	29.264	40.83	NEbE	3	0.5023	0.400	0. V.	KS. S
18	43.	45.	29.752	39.93	NEbE	5 $\frac{1}{2}$	0.0163	0.190	0. m.	K. KS. S.
19	41.	43.6	30.106	42.63	NEbE	2	0.3603	0.002	0. V.	K. KS. S.
20	41.6	43.7	30.176	40.63	NEbS	0	0.1313	0.002	2	b. V.
21	46.4	44.7	29.500	38.63	WSW	4	0.0043	0.077	0. V.	K. S.
22	34.9	41.3	28.965	46.33	W	1 $\frac{3}{4}$	0.0253	0.077	0. Y.	KS. CS. S.
23	39.4	40.5	29.048	45.33	W	8	0.0443	0.033	b. V.	K. S. CS
24	34.8	38.5	29.218	33.13	N	1	0.0223	0.071	0. YV.	K
25	32.9	37.5	29.623	34.63	N	2 $\frac{1}{2}$	0.0573	0.071	b. V.	K. KS. S. CK
26	35.4	38.	29.725	34.63	N	1 $\frac{1}{2}$	0.0683	0.010	0. m.	m. H. KS. Snow falling, ground covered with it
27	37.	38.7	29.650	36.73	SSW	4 $\frac{1}{2}$	0.0163	0.019	0. V.	K. S. KS. gauges partly frozen
28	41.7	41.	29.500	41.33	WSW	3	0.0183	0.060	0. V.	K. Light rain (Ther. H. at 9.15 ^m)
29	42.5	42.	28.804	40.23	W $\frac{1}{2}$ S	8	0.0343	0.810	b. VV.	K. KS. m in W
30	37.	40.	29.202	36.73	WSW	3	0.3253	0.054	b. m.	K. KS. S.
				36.13			0.5703	—	6	
							0.0303	—		
							0.0843	—		
mean	42.73	43.27	29.693			sum	1.903	2.920		
							12.482			

1854	9 th Am			H _g	Wind		Temp	min		
Nov ^r	E	A	Bar		Dir	Force	T	T		
1	50.	52.4	29.987	50.3	SS E	5	50.6	46.4	b. W. 7.	K. KS.
2	42.7	51.	30.066	48.5	SWbW	2	50.5	42.	b ³ . VV.	
3	44.	49.5	30.215	41.7	SW	2	47.	39.6	b ¹⁰ . V.	K.
4	52.2	50.	29.988	43.3	W	4	51.3	43.	o. V.	K
5	47.3	49.6	30.161	41.	WbN	1½	51.2	47.4	o. V.	K. KS
6	46.	49.1	30.350	47.12	SW	2	48.2	42.1	o. V.	K.
7	45.	48.5	30.250	44.43	SWbS	2	46.4	43.5	o. V. m.	KS.
8	41	48.5	30.151	45.3	SWbW	2	49.	40.2	b. VV.	H.
9	38.9	45.1	30.256	40.5	SWbW	3	42.	33.5	b. VV.	K.
10	50.2	47.5	29.919	37.2	WbN	6½	49.	37.4	b. VV.	K.
11	44.	48.	30.117	50.23	SWbW	0	51.9	44.7	o. 8.	KS.
12	46.5	48.	29.925	43.5	SW	2	48.9	41.4	b. V.	K
13	42.	47.6	29.435	46.3	SEbS	4	50.	41.7	o. 8.	KS. S.
14	42.4	45.8	29.093	41.5	SE E	6	43.5	35.6	b. V. 9.	KS. n. a few drops of rain
15	39.9	46.4	28.831	42.	SE E	2	45.2	38.	b. 8.	KS. n. Rain
16	45.	56.	29.053	39.6	NEbW	4	45.4	38.	o. 8.	K.
17	45.	48.	29.545	44.3	N E	2	43.4	42.7	o. 8. m.	n. rain.
18	40.8	44.3	29.932	44.5	N E	3	45.7	39.4	o. 8.	K.
19	41.5	44.8	30.191	40.3	SW	0	44.7	39.1	o. 8.	K.
20	42.	44.2	29.980	37.6	SW	3½	45.	40.	o. 8.	K.
21	38.8	43.6	29.131	40.9	WSW	2	48.	37.5	b. V.	KS.
22	33.	41.	28.919	38.7	WbS	1	39.7	33.	b. m.	KS. S.
23	36.2	40.5	29.189	31.2	NEbN	3½	41.	32.	b. V.	K.
24	32.1	38.5	29.443	31.7	SW	1	39.1	31.1	b. V.	K. (Therm Bar: Hg. at 9.15 ^m)
25	33.5	37.5	29.729	30.3	SWbN	0	33.7	30.5	o. V.	KS. S. snow lying on ground
26	37.9	39.	29.743	32.1	SWbS	2	41.1	32.	o. V.	K.
27	40.4	41.3	29.535	37.3	SW	3¼	44.6	34.5	b. V.	K. n. in SW
28	46.5	43.6	29.025	37.2	WSW	5	47.	39.	o. 8. 99 n	heavy rain coming in showers at short intervals
29	37.5	41.4	29.202	45.5	W S	2½	46.9	36.	b. V. 7.	K. CH.
30	39.2	41.9	29.009	36.6	WSW	2½	42.9	34.9	b. V. 7.	K. CH. KS. dispersing
mean	42.04	45.75	29.676				45.43	38.26		
		45.75								

1854		9 th AM			Hyg	Wind		Rain			
Dec ^r		E	A	Bar.		Dir	Force	Square	Round		
Q	1	37.4	39.9	29.375	37.1	WbN	3	0.0292	0.020	b. v.	K. Ks. CK
	2	38.	39.4	29.703	37.6	W. SW	4	0.0053	0.035	b. v. m.	S. CK
⊙	3	47.	43.7	29.570	36.6	WSW	7	0.0019	0.017	o. m.	m. drizzle
	4	43.	43.	29.819	42.8	WSW	4	0.0023	0.160	b. v.	K. CK (T. Bar. Hyg. at 9 th 10 ^m)
	5	39.3	42.4	29.003	38.9	SSW	8	0.0053	0.065	b. v.	S
	6	39.1	41.	29.384	38.7	W	5	0.1123	0.580	b. v.	Ks. K. (T. Bar. Hyg. at 9 th 15 ^m)
	7	34.1	38.9	30.065	34.6	WbS	2	0.0307	0.047	b. m.	Rain gauges partly frozen.
	8	50.4	44.4	29.554	50.7	WSW	2	0.0653	0.159	o. v.	K
	9	37.3	41.4	29.455	36.7	WbS	4	0.0683	0.167	o. v.	m. rain partly congealed
⊙	10	35.2	39.5	29.901	34.4	WbN	0	0.0683	0.128	b. v.	K. Ks. CK.
	11	45	41.9	29.485	45.1	S	5	0.0013	0.011	o. v.	K. Ks.
	12	37.	38.6	29.691	36.5	SbW	7 ¹ / ₂	0.0053	0.058	b. v.	cs. Ks. S.
	13	49.	43.	29.661	49.4	SSW	7	0.1603	0.570	o. m. d.	K. m.
	14	52.8	45.	29.580	52.2	SW	5	0.1923	0.518	o. y. g.	K.
	15	51.4	49.	29.630	51.	SWbS	7	0.1003	0.330	o. m.	rain N.
	16	39.6	44.4	29.679	38.5	WbS ¹ / ₂ S	2	0.4803	0.732	o. v.	K. Ks. CK. S.
⊙	17	37.3	41.1	29.734	36.4	SWbTV	3 ¹ / ₂	0.0173	0.040	b. v.	K. CK
	18	35.5	41.5	29.302	34.5	WbTV	3 ¹ / ₂	0.2833	0.535	b. v.	K. CK.
	19	37.9	39.9	29.494	37.9	S	5	0.0023	0.006	o. m.	
	20	40.1	41	29.682	37.9	WNW	7	0.1643	0.350	b. h	
	21	49.1	43.9	29.790	49.	SW	4	0.0603	0.176	o. m.	m. K.
	22	52.7	48.6	29.511	52.5	SW	9	0.0263	0.026	o. m. m	
	23	39.7	44.4	29.708	39.6	WSW	2	0.0823	0.504	b. v.	H. S. CS.
⊙	24	42.1	43.7	29.630	42.	SWbS	2 ¹ / ₂	0.0233	0.044	o. v.	Ks. S
	25	41.	44.	29.215	41.	SW	8 ¹ / ₂	0.0423	0.130	b. v.	CS. Ks.
	26	38.4	39.1	29.454	34.5	SWbS	5	0.1003	0.520	b. v.	CS. S. Ks.
	27	33.9	38.6	29.703	33.1	WSW	2	frozen	frozen	o. v.	snow falling
	28	33.3	36.5	30.248	32.2	SbTV	3	20	20	o. m.	S. Ks. snow on ground
	29	44.1	41.	30.178	43.8	SWbS	6	0.1003	0.352	b. v.	K. CK. C
	30	46.	43.5	30.111	45.5	SWbW	7	0.0013	0.015	o. m. d.	
	31	44.9	42.5	30.120	44.4	SW	7	0.0033	0.027	b. v.	CK. CS. S. C
mean		41.57	42.09	29.662			SWm	2.260	6.364		

1854	9 th PM			Hgs:	Wind		May:	Min:		
Deer	E	A	Bar:		Dir:	Force	T	T		
1	38.	39.4	29.428	37.5 } 36.6 }	SSW	5	41.1	34.8	b. v. g.	n. ks. a few drops of rain
2	45.5	42.7	29.728	45.4 } 44.6 }	WSW	5	46.7	34.	o. v. g.	K. CK. (I: Bar: Hgs: @ 9 ^h 17 ^m)
3	46.	44.4	29.494	45.5 } 44.4 }	WbS	8.	51.3	45.	b. v. g.	K. Bar: hearing.
4	48.	45.7	29.421	47.8 } 45.7 }	SSW	10	48.7	41.1	o. v. g.	K. <i>Drum</i>
5	40.8	42.6	29.040	40.4 } 38. }	WbS	5½	48.6	38.5	b. v. g.	K. CK. (Bar: at 48.800 at 1 PM: wind but steam this)
6	38.4	41.1	29.789	37.2 } 35.5 }	WbS	2	43.	37.4	b. v. m.	
7	43.	40.6	29.741	42.6 } 42.3 }	SSW	7	43.3	32.3	o. v. g.	KS.
8	43.6	44.1	29.371	43.5 } 42.6 }	WSW	3+	51.7	42.	o. v. rain.	n. K.
9	35.5	40.1	29.759	34.7 } 33.4 }	WNW	1½	44.4	34.	b. v.	K. KS.
10	38.	39.5	29.787	37.6 } 36.3 }	S	4	39.3	34.1	o. v.	KS.
11	37.	43.8	29.546	36.3 } 35. }	SSW	4½	48.7	37.	b. v.	KS.
12	39.	41.9	29.695	37.9 } 37. }	WSW	4½	44.8	34.	b. v.	S. n. in SW
13	47.	44.7	29.651	40.5 } 44.8 }	SW	5	51.5	38.	b. m.	SK
14	52.1	48.	29.693	51.7 } 51.4 }	SW	8	55.	43.1	o. g. g. d.	K. n.
15	42.8	47.	29.580	42.3 } 42.3 }	SW	0	53.	42.7	b. m.	KS.
16	39.5	43.8	29.823	38.7 } 36.3 }	WbS	4	44.4	38.8	b. v.	
17	42.1	43.8	29.411	41.6 } 40.7 }	SW	5	43.8	35.7	o. m.	rain n.
18	38.	40.3	29.626	37.9 } 33.8 }	NW	2	23	34	b. v.	
19	44.5	41.6	29.088	42.6 } 42.6 }	WbS	9	45.2	34.5	o. m. d.	
20	39.5	41.7	29.927	39.7 } 37.7 }	WSW	2	45.	38.9	b. v.	KS. (Bar: at 9 ^h 12 ^m)
21	50.	46.	29.727	49.8 } 49.7 }	SWbS	7½	52.	38.6	o. m. d. g.	
22	45.7	47.7	29.619	45.3 } 44.3 }	W	2½	54.6	44.8	b. v.	KS. s (at 9 ^h 20 ^m)
23	38.3	43.8	29.673	38.7 } 37.7 }	S½W	3	45.8	38.	b. v.	KS. s.
24	45.1	44.6	29.237	44.7 } 44.8 }	S½E	8+	46.3	38.	o. g. d. g.	
25	55.3	40.2	29.385	34.5 } 34. }	WSW	7	51.7	34.4	o. g. g.	elect.
26	34.4	40.3	29.442	37.7 } 33.3 }	SWbW	2½	39.6	34.	b. v.	s. cs.
27	34.9	38.	30.038	34.1 } 34.1 }	WNW	4	38.	30.1	b. v	K in w low down
28	38.9	39.	30.196	38.3 } 37.2 }	SSW	3	39.	30.4	o. v.	K CK.
29	45.2	42.7	30.200	45.1 } 42.3 }	SW	5	48.	37.2	o. v. g.	KS
30	43.2	43.	30.312	42.6 } 39. }	W½N	5½	46.5	41.5	b. v. g.	K. KS round horizon
31	46.9	43.9	29.930	46.3 } 43.7 }	SWbW	7	47.9	41.9	b. v. g.	K. dispersed - Bar: hearing -
mean	41.81	42.78	29.657				46.16	37.09		
							46.51	37.38		

1854	Term Observations			Hyg ²	Wind		Rain		
Dec ^r	E	A	Bar:		Dir	Force	Square	Round	
21 st 6 Am	46.5	42.5	29.798	46.3	SWbS				
7 —	47.3	43,	.785	47.3	SWbS	45	0.00353	0.123	o g d. m (Then: Bar Hyg: 6 th 13 th)
8 —	48.1	43.2	.783	47.83	SWbS	45	0.0037	0.030	o. g. d. m.
9 —	49.1	43.9	.790	47.83	SWbS	45	0.0017	0.012	o. m. d. m. K.
10 —	49.5	44.	.791	49.3	SW	63	0.0033	0.011	o. m. m. K.
11 —	49.7	44.	.787	49.3	SWbW	43	0.0017	0.010	o. m. d.
Noon	50.	44.4	.785	49.53	SWbW	48	0.0033	0.020	o. m. d.
1 Pm	50.7	44.3	.772	49.9	WSW	52	0.0063	0.011	o. m. d.
2 —	51.3	44.9	.754	50.3	WSW	42	0.003	0.009	o. V. K.
3 —	51.2	45.1	.768	50.3	WSW	34	0.0053	drops	o. V. K.
4 —	50.8	45.1	.761	50.43	WSW	42	drops	drops	o. V. K. Bar: heaving.
5 —	50.3	45.2	.785	50.63	SWbW	102	drops	drops	o. V. d. K.
6 —	50.5	45.2	.783	50.63	SWbW	89	do	do	o. m. g. K.
7 —	50.	45.4	.769	50.53	SWbS	40	0.0017	0.003	o. m. d.
8 —	50.	45.4	.759	49.63	SWbS	57	0.0013	0.007	o. m. d.
9 —	50.	46.	.727	49.43	SWbS	32	drops	0.006	o. m. d. g.
10 —	50.1	46.4	.701	49.53	SW	32	0.0013	0.005	o. m. d. g.
11 —	50.8	46.8	.659	50.23	SW	32	0.0013	0.001	o. m. d. g. {Bar: heavy very much but slowly}
12 Dec	51.6	47.	.657	50.73	SW	27	drops	0.001	o. V. g. K. do
22 nd 1 Am	52.	47.5	.657	51.13	SW	40	—	—	o. g. g. K.
2 —	52.	47.3	.647	51.23	SW	34.	—	—	o. g. g. K. Bar: heaving.
3 —	52.2	47.5	.646	51.93	SW	25	—	—	o. V. g. K. go
4 —	52.8	47.6	.616	52.33	SW	40	—	—	o. g. g. K.
5 —	52.6	47.8	.603	52.83	SW	30	—	—	o. g. g. K.
6 Am	53.	48.	.577	52.63	SWbW	36	—	—	o. V. g. K. Bar: heaving

Summary	9 Am			9 Pm			Rain		vapour	Wind	Thermometers		
1854	E	A	Bar.	E	A	Bar	Square	Round	Tension	Force	Dir.	Max:	Min:
Jan ^y	38.52	39.03	29.377	39.22	39.40	29.330	2.923	4.589				30 th 53.9	3 rd 17.0
Feb ^y	40.58	41.08	29.970	39.24	42.01	29.983	3.429	2.620				6 th 53.2	10 th 28.5
March	45.20	44.38	30.036	43.68	46.80	30.034	1.530	2.093				31 st 57.6	5 th 30.7
April	49.92	49.43	29.999	47.66	52.07	29.985	0.877	0.213				15 th 64.4	25 th 34.0
May	51.92	50.62	29.563	47.60	52.82	29.584	0.175	2.565				19 th 64.2	23 rd 38.0
June	55.64	54.79	29.669	52.14	56.46	29.680	2.530	4.651				22 nd 68.8	4 th 42.3
July	58.16	57.33	29.748	55.42	58.99	29.753	2.903	4.780				22 nd 69.9	11 th 46.
August	59.15	58.46	29.870	55.99	60.03	29.878	4.422	2.454				27 th 73.5	4 th 46
Sept ^r	57.11	57.58	29.939	55.32	59.53	29.929	5.247	2.084				3 rd 73.4	22 nd 43.7
October	48.31	49.53	29.635	47.36	51.71	29.623	1.253	3.399				10 th 62.1	26 th 32.
Nov ^r	42.73	43.27	29.693	42.04	45.75	29.676	2.012	2.920				11 th 51.9	25 th 30.5
Dec ^r	41.57	42.09	29.660	41.81	42.78	29.657	2.903	6.364				14 th 55.0	27 th 30.1
Summer	56.50	52.48	29.736	52.36	56.50	29.740	16.467	19.933					
Winter	43.80	43.21	29.786	43.65	44.80	29.774	19.273	18.799					
Year	49.35	47.81	29.760	47.37	50.67	29.757	84.625	38.732					

	Rain days	mean Ther:	mean Bar:
Jan ^y	19.	38.87	29.354
Feb ^y	19.	39.91	29.976
March	17.	46.00	30.035
April	9	48.79	29.992
May	21	48.76	29.574
June	21	53.89	29.675
July	21	56.79	29.751
Aug ^t	21	57.67	29.874
Sept ^r	15	56.22	29.934
Oct ^r	24	47.84	29.629
Nov ^r	22	42.39	29.685
Dec ^r	29.	41.69	29.658

Total 238

Mean Temperature of Year 48° 36
Maximum 27th Aug^t 73° 5
Minimum 3rd Jan^y 17°

Mean Barometer 29.758
Maximum Mar^{ch} 4th 30.661
Minimum Jan^y 7th 5 Pm 28.384