

1862		10 Am			Wind		Rain		22 at 1 = 28.777
January	E	A	Bar	Hyg	Dir	Miles	Squ.	Globe	
1	33.5	34.2	30.256	33.5	SSW	44.5			f.
2	37	36	30.284	37.2	SSW	53	0.092	0.103	f. d.
3	38.6	37.2	30.011	38.9	W6S	92.5	0.100	0.145	b. v. m. KS
4	40.4	39	29.830	40.6	WNW	88	0.010	0.011	b. v. S. CK
5	44	39.5	29.720	44.2	WN	100	0.006	0.003	o. v. r. KS. N
6	40.1	40.1	29.891	40.4	SW	52			f
7	43	41	29.704	43.3	SW	124	Trace	Trace	o. v. f. KS?
8	40.9	43.5	29.312	40.7	SW	185	0.142	0.167	b. v. q. KS. CS
9	51	46	29.120	51.4	SW	242.5	0.280	0.425	o. v. q. KS
10	42	43	29.349	42	SW	242.5	0.484	0.671	b. v. q. KS
11	44	44	28.995	44.6	W6S	139.	0.340	0.349	b. v. KS. CK
12	38.6	42.8	29.300	38.8	SW6S	178	0.048	0.047	b. v. m. KS
13	39	41.5	29.462	39.1	SW	81	0.008	0.008	o. m. KS
14	35.2	39.5	29.604	35.7	W6N	78	0.226	0.317	b. v. K, a very few in NE hor
15	38.1	39.2	29.641	38.4	S	145	0.037	Trace	o. v. q. d. KS
16	46.1	43.9	29.535	46.5	S	196	0.123	0.162	o. v. q. d. KS
17	35.8	42	29.610	35.3	NW6N	74.5	1.058	1.010	o. v. r. S. N
18	38.1	40.3	29.478	38.9	S	200	0.051	0.036	o. v. q. CS. KS.
19	39.8	41.2	29.388	39.7	SE	271	0.426	0.570	o. m. q. r. KS. N
20	36.2	40	29.391	36.8	E6N	116.6	0.047	0.056	o. m.
21	35.4	38.8	29.300	35.8	SE	94	0.013	0.050	o. m. elect. KS
22	39	38	28.842	39.2	E	235	0.088	0.140	o. m. q. KS. N Bar heavy
23	36.7	49	29.224	37.2	S	333	0.210	0.225	b. v. q. K. S.
24	44.8	41	28.554	44.9	E6S	198	0.358	0.137	o. v. m. d. KS at 0.15. Bar = 28.535
25	35.8	46	29.534	35.8	WSW	133	0.028	0.025	b. v.
26	40	38.5	29.808	40.1	SW	147	Trace	none	b. v. q. CS. KS
27	48.1	44.5	29.562	48.6	S6W	307	0.023	0.033	o. v. q. KS
28	46.1	49.5	29.257	46.3	SW	349	0.126	0.186	b. v. q. KS. K
29	42.1	44.2	29.300	42.1	SW	218	0.123	0.150	b. v. h. KS. K
30	44	44.9	29.386	44.2	SW6S	180	0.122	0.177	o. v. m. KS. CK
31	47.2	46	29.416	47.8	W6S	201	0.101	0.225	o. v. KS
	40.67	38.52	29.486				4.670	5.758	
			15.066						

1862	10 P.M.			Wind			Thermom. ^r		
January	E	A	Bar	Hyg ^o	Dir	Miles	Max	Min	
1	34.2	35.5	30.286	34.9 34.4	SW	23	39.5	27	f. g
2	38.2	36.2	30.160	38.8 38.6	SW6W	47	42.2	34	g. g
3	43.6	39	29.859	43.4 42.3	W	103	45	34.5	o. g
4	40.7	39.5	29.734	41.2 40	W	101	44.2	37	b. d. KS. CS clear in Zenith
5	40	40.3	29.844	40.8 39.3	NW	67	44	39	o. g
6	38.7	40.3	29.862	39 38.6	SWES	90	42	38.5	o. v. KS
7	47.8	45	29.318	48 47.9	S	225.5	49.6	39	o. v. g. KS
8	39.9	42	29.394	40.1 39.5	SWES	222.5	44.2	39	o. v. CS. KS chance of CS
9	43.1	44.8	29.184	42.2 42.2	W6S	290.5	52	39	o. v. g. N. KS. N Heavy Thunder at 5 P.M.
10	42	43.2	29.348	42.3 41.3	S6W	189.5	45.2	39	o. v. r cloud not to be determined
11	36	41.5	29.490	36.3 35.1	SW	155.5	42.2	36	b. v. CS. KS halo round D
12	40.7	42.2	29.409	40.2 40.2	W6S	142.5	43.3	35	b. v. KS. CS
13	38.9	41.5	29.392	39.2 38.2	W	119	42.2	39	o. v. d. KS
14	34	40	29.698	34.2 31.3	SWW	66	38	32	o. v. CS
15	43.4	42.6	29.547	43.7 43.2	SSW	239	45.2	39.5	o. v. KS
16	45.8	45.1	29.427	45.8 45.2	SE	317	49.4	42.5	o. v. g. d. KS a gale
17	39.1	42	29.658	39.5 39.0	SEW	43	41.2	35	o. v. KS
18	40.8	41	29.396	40.9 40.1	S6E	330	43.3	36.5	o. v. g. N. KS
19	39.2	40.8	29.435	39.7 39.1	SW	101.4	43.5	38.5	o. v. KS.
20	35.2	38	29.331	35.8 33.4	SE	160.	39.8	35	o. g. KS
21	35.1	37.3	29.180	35.4 33.3	E	116	38.6	34	o. g. d
22	41.2	40.5	28.782	41.9 40.9	SSW	334	45.1	33.5	o. g. g 1 P.M. = 28.777 } At 5 P.M. Bar = 28.670 }
23	43.3	40.5	28.816	43.5 42.8	SE	218	44.5	34	o. g. g. KS.
24	41.9	42	29.135	42.3 40.4	W	119	45	41	o. g.
25	35.2	39.2	29.733	35.8 34.2	SW	185	38.3	35	b. v. KS again horizon
26	44.9	43	29.611	45.1 44	S6E	258	47	32	o. g. g
27	45	44	29.317	45.3 42.9	SSW	341	47.8	44	o. g. g. A heavy gale
28	45.1	46	29.297	46.2 44.8	SW6S	310	48.9	43.5	o. g. g. KS
29	46.2	45.5	29.234	46.7 45.5	SW	257	49	41	o. KS stars visible
30	48	45.5	29.205	48.5 48.2	WSW	222	51	42	o. g. g
31	50.2	47	29.364	50.9 49.9	SW	142	52	45	o. g. g
	44.17	41.65	29.468				44.38	37.30	
							44.6	37.4	

1862	10: A.M.				Wind		Rain		
February	E	A	Bar	Hygro	Dir	Miles	Squ.	Globe	
1	48.4	47-	29.583	48.7 46.8	WSW	219	0.128	0.140	ov KS
2	50.7	48.8	29.634	47.1 44.7	SW	287	0.057	0.076	ov q KS
3	44.2	46	29.890	43.8 40.7	SW	112	0.110	0.130	o.v. KS
4	50.5	49.2	29.931	50.7 49.7	SW	199	0.077	0.015	o.v.m. KS. C ^s Halo
5	49.2	49	29.837	49.7 48.2	WBS	367 ^{2.4}	0.081	0.213	o.v. KS
6	39.7	54	29.928	39.7 37	N ¹ / ₂ E	65	—	—	6.v. S. CK
7	36.8	40	30.181	36.9 33.9	NNE	128	—	—	6.v. K.
8	35.2	38.2	30.416	35.4 32.2	SSE	43	—	—	o.v.m. K. CK
9	33.2	35.2	30.475	33.2 31.5	S	54	—	—	6.v. m
10	32.3	35	30.320	32.1 30.8	SW	84.5	—	—	6.v. h. CS ± south
11	30.9	37.5	30.144	30 27.8	STV	92.5	0.011	—	6.v. h. G. CS. CK to Southeast
12	42.2	39.5	29.978	43.4 42.2	NW ¹ / ₂ N	72.7	0.044	0.039	o.m. KS a break in the zenith. birds singing
13	39.4	39.9	29.958	39.5 38.7	N	25.9	—	—	o.m. KS.s. Hy 38.7
14	39.7	40.1	29.971	39.9 39.2	NESE	36.5	—	—	o.m. Wind nil
15	37.5	39.5	29.970	37.2 36.0	E	55.2	—	—	o.m. KS h bright at SE
16	39.7	39.4	29.642	39.7 38.9	EBS	71.7	—	—	o.v. h KS brighter at SE a zenith
17	40.2	40	29.170	40.5 39.8	SBS	150.0	0.024	0.020	o.m. mizzle. NS brighter at SE 3
18	45.7	42.5	28.850	45.9 44.2	EBS	158.3	0.058	0.069	o.h. brighter W of 3
19	47.1	43.7	29.144	47.6 45.5	SSE	241.7	0.054	0.038	6.vh KS. Very much broken
20	48	49.8	28.976	48.1 45.2	SSE	306.3	0.064	0.078	6.v. C CK KS
21	48	46	29.304	48.4 44.8	SSE	309.0	—	—	ov KS - CS above - dark grey haze 309
22	47.3	46	29.532	47.6 46.1	SW	143.8	0.283	0.404	ov KS much light above at 3. SW
23	45.7	45.2	29.860	45.9 44.5	SSE	80.0	drops	—	w completed the wheel in 4 hours
24	45.6	45.5	29.952	45.7 44.4	E	93.8	—	—	4.v. KS CK
25	40	43	29.964	40.2 37.2	EBS	193.8	0.000	0.014	o.m. KS. C CS bright to SW murky in East
26	39	41.2	30.266	39.3 36.9	NESE	205.5	—	—	6.v. gl. KSS
27	37.2	40.2	30.198	37.4 34.5	NE	108.2	—	—	6.v. h. KSK
28	38.7	39.8	30.007	39 36.4	NE	181.7	—	—	ov KS gloomy & hard
									6.v. KSS
	42.15	42.90	29.832				0.949	1.269	

1862

10 PM

Wind

Thermometer

February	E	A	Bar:	Hygt.	Dir.	Miles	Max	Min	
1	49.8	47.5	29.658	50.4 49.2	SSW	146	51.9	46.5	9.9.
① 2	44.2	48	29.739	44.7 44.4	SW $\frac{1}{2}$ W	225	49.9	44.5	8. V
3	48.4	48	29.818	48.7 48.7	SSW	223	50.5	41.5	9.9.
4	48.8	49.2	29.734	48.8 48.8	SW	—	52	48.8	9.9. d
5	46.8	48	29.815	46.8 45.9	W	113	50.7	47	0. V. KS
6	34.2	42.2	29.927	34.2 31.9	N	90	38.4	35	0. V. CK. K.
7	30.1	40	30.366	30.2 28.7	ENE	105	35.2	31	4. V. K
8	28.2	37	30.433	28.2 27.9	S	117	34.5	28.5	6.10. V
① 9	27.2	36.5	30.412	27.3 26.8	SW $\frac{1}{2}$ S	103	32.2	27	6.10. V Clear thermom ^s of Hygr.
10	33.5	38.5	30.242	33.8 33.8	SW	101	38.5	26.5	6.9. m. CK
11	39.9	40.5	30.068	39.6 38.7	W	43.8	42.2	31.1	0 V KS 30 068
12	39.6	41.2	29.964	39.9 38.9	N	15.4	42.2	36.9	0 m KS wind still moonlight
13	40.1	40.3	29.968	40.4 37.7	E. S	57.5	44.1	37.3	0. V outlines harbor
14	38.5	40.4	29.985	38.6 35.8	E	37.5	41.9	38.5	0. V. KS 30
15	37.7	39.3	29.042	37.7 35.8	NE	77.8	40.5	36	0 m KS s
① 16	38.6	39.5	29.429	38.8 34.7	E. S	155.1	41	35.9	0 V KS - bright behind clouds S E
17	44.6	42	29.065	44.6 43.9	SE	201.5	46.2	37.5	0 V KS - dark. a slight breeze SE
18	46.2	45.4	28.879	46.5 44.8	SW	289.0	51.2	44.5	6. CS dark starlight cloud low in SE
19	48.4	46.4	28.897	48.8 46.8	SE	277.3	51.3	41.8	0 dark blowing again
20	43	45.2	29.363	43.1 41.7	S	263	47.2	43.5	6. V CK all round horizon
21	45.8	46.1	29.235	46 46.2	S	408.7	49	42.5	0 r do dark & scarcely distinguish the name
22	40.2	46.3	29.726	40.6 40.5	SW	601.5	45.4	41	6. V heavy dew
① 23	44.3	46.5	29.984	44.4 43.2	SE. S	190.9	47.0	40.5	6. V KS. C. auroral light behind N clouds
24	40.9	43.1	29.095	41.1 37.9	SE. E	237.9	44.8	40.5	0 do murky nothing distinguishable
25	40.1	42.2	30.142	40.2 37.3	SE	268.2	42.5	38	6 gloomy KS 218.2
26	33.5	41	30.250	33.2 32.8	E	110.5	37.2	33.5	6. V. dark round horizon
27	37.2	40.2	30.112	37.5 35.3	NE	197.4	40.1	31.5	0 V - KS very white long ridges.
28	39.1	41.1	29.946	39.2 36.7	NE	201.2	41.8	35.5	6. V K. KS auroral light N.
	40.31	42.70	29.818				43.59	37.58	
							43.9	37.9	

1862	10 A M			Wind		Rain		94. 3	
March	E	A	Bar	Hyg.	Dir.	Miles	Square	Globe	
1	37	41.6	29.927	37.0 35.9	NE	205.5	0.038	0.059	b v h K K S. C
2	36.5	38	29.422	36.5 33	SW	80.5	—	—	2 v. h. CK C rain at 5 P.M.
3	32.2	36.2	29.176	32.2 31	NW	69.9	Drizzle	Drizzle	6 v CK. K'S
4	30.9	35	29.462	30.9 28.3	NW & N	33.2	—	—	6 v h C. K. CK Show on S. Gall. etc
5	36.1	36.8	29.183	36.1 35.1	SE	163.3	0.045	0.062	0 r (There had been slight snow in the night)
6	39.7	40	29.013	39.7 38.2	NE	26.5	0.383	0.485	0 r K'S. brightening at NE to SE at 13 (26.5 wind miles)
7	50	45.8	28.690	50.3 50	SE W	431.4	0.563	0.639	0 r v N. K N
8	51.2	47	29.207	51.2 49.2	S	179.9	0.019	0.052	6 v K K S
9	46.8	46.5	29.034	46.8 46.5	SE	102.9	0.497	0.508	0 r brightening a little.
10	46.1	44.8	29.680	46.1 43.3	WSW	108.1	0.093	sun out	6 v CK
11	49.7	46.5	29.400	49.7 49.8	SW & S	190.1	0.165	0.202	6 v K K S
12	42.2	45	29.324	42.2 41.7	NW & N	184.0	0.067	0.094	0 v m dr. NK. v. at NW. m. at SE
13	43.7	44.9	30.020	43.7 42.2	NNE	111	0.003	—	0 v. K S
14	42.2	43.8	30.104	42.2 41.2	NE & E	99.5	—	—	6 v. K S
15	42.7	44	30.034	42.7 40.6	NE	77.5	—	—	0 v misty
16	41.2	42.5	29.881	41.2 38.8	NE	119.4	—	—	6 v h K S
17	39.8	42.5	29.731	39.8 36.8	E NE	118.7	—	—	6 v K S birds silent except larks
18	42.1	42.2	29.610	42.1 40.2	NE	23.3	—	—	6 v h K C S 2. or larks also
19	41.9	42.5	29.538	41.9 37.8	NE	106.7	0.003	—	0 v K harsh wet on roof, none in quays
20	37.1	39	29.408	37.1 35.8	NE & E	185.2	—	—	6 v & harsh K slight hail at 3.30 pm
21	37.6	38	29.616	37.6 35.2	NW & E	70.	—	—	6 v. K
22	42.1	38.5	29.740	42.1 37.9	SE & S	107.1	—	—	6 v h C CK larks alone 2.25 a bright halo round sun
23	38.8	41.8	29.526	38.8 36.6	SE	189.3	—	—	0 v h
24	39	39.5	29.316	39 38.2	NE	183.3	0.427	0.678	0 v sm.
25	40.2	41.2	29.360	40.2 37.8	NE	172.9	0.004	—	6 v K S S
26	39.2	40	29.267	39.2 38.3	NE & E	182.1	0.098	0.129	0 v h smooth grey
27	49.3	45	29.121	49.3 45	SE	117.0	0.245	0.323	6 v h K C S
28	48.7	45	29.013	48.7 47.2	SE	127.7	0.062	0.074	6 v m
29	44.8	44.8	29.020	44.8 43.4	E & S	172.9	0.148	0.209	6 v K S - dazzling grey
30	48.2	45	29.084	48.2 47.1	SE & E	117.3	0.127	0.144	6 v m K. K S. CK
31	52	47	29.238	52 49.2	SE W	243.3	0.038	0.043	6 v h K K S CK
	42.23	42.27	29.424				3.025	3.701	

1862	10 P.M.				Wind		Therm ^o			
March	E	A	Bar.	H _g	Dir.	miles	Max	Min		
	1	34.5	39.8	29.724	³⁴ / ₃₃ 4	NE	27.7	39.7	34.9	o dash wind
⊙	2	32	39.5	29.212	³² / _{28.4}	N6W	164.0	37.2	29.4	6 v - K N? a dark night
	3	27.3	37.4	29.243	^{27.6} / _{26.1}	NE	56.3	34.3	26.8	6 v - bank of duskenes, all round heavy N=O
	4	30.2	36.9	29.518	^{30.4} / _{29.3}	NW	116.6	35.0	25.0	6 v dusky K.S.C.
	5	42.2	40.3	28.932	^{42.2} / _{42.2}	NNW	216.8	45.0	30.0	o foggy (sky light in SW) wind=0
	6	48	44.0	28.033	^{48.3} / _{47.8}	S6E	154.3	51.0	38.0	o r. KN - alight night ? sunrise to NW?
	7	45.8	40.0	29.136	^{46.2} / ₄₄	SW	257.2	49.1	45.5	6 v KS
	8	48.5	47.5	29.041	^{48.7} / _{47.8}	SSE	252.0	51.8	44.3	6 v dr
⊙	9	45.7	46.0	29.304	^{45.8} / _{43.9}	W	119.5	49.8	44.5	o v KS
	10	44.1	46.1	29.564	^{44.3} / _{43.1}	SSE	168.0	48.0	38.9	o v KS. rales at SW SSE (168.0)
	11	47.1	49.7	29.287	^{47.3} / _{46.1}	SSW	194.9	52.8	43.8	6 v KN dark blue. (dark blue)
	12	40.8	44.4	29.752	^{40.6} / _{39.5}	N	123	45.0	40.5	6 v C. bank of cloud at north horizon
	13	42.2	45.1	30.093	^{42.5} / ₄₀	NE	131.2	45.0	40.9	6 v K. corona moon very clear
	14	42.1	44.3	30.096	^{42.3} / _{40.9}	NE	117.0	46.0	38.5	o v
	15	42.6	44.6	29.978	^{42.8} / _{40.7}	ENE	109.5	45.9	40.3	o v
⊙	16	41.4	43.6	29.776	^{41.7} / _{39.8}	NE6N	126.1	44.1	35.8	o v
	17	39.0	42.3	29.681	^{39.0} / _{36.8}	NE	77.3	48.0	37.7	o v
	18	40.3	43.1	29.579	^{40.6} / _{39.7}	NE6W	78.5	44.8	38.5	o gloomy
	19	38.0	42.1	29.506	^{38.4} / _{34.6}	NE	193.5	43.8	38.0	o gl. me streak to West Wind noisy tho' slow
	20	33.2	39.8	29.513	^{33.1} / _{30.5}	NE	193.8	37	31.8	6 v
	21	31.3	40.0	29.683	^{31.6} / _{30.6}	S	50.4	36.1	29.5	6 v
	22	37.1	40.5	29.703	^{37.2} / _{34.7}	SE	—	40.8	31.5	6 v - gloomy (string of weight broken)
⊙	23	34.1	38.9	29.332	^{34.2} / _{33.6}	NE	192.0	36.8	33	o r gloomy
	24	39.1	40.7	29.300	^{39.4} / _{38.2}	NE	192.5	42.2	32.8	o dr gloomy
	25	38	41.8	29.300	^{38.2} / _{36.7}	NE	223.9	41.3	37.5	o gl & very gloomy
	26	41.8	44.5	29.184	^{41.6} / _{41.2}	E	141.7	45.0	35.8	gl. scarcely possible to see the vane
	27	46	46	29.070	^{46.3} / _{43.7}	SSE	191.6	50	41	6 dr. KN
	28	42.9	46	29.000	^{43.2} / _{42.3}	E	154.1	46.8	42.5	o r dash. & gloomy
	29	43.9	45.3	29.116	^{44.2} / _{43.6}	E	125.0	47.0	41.3	o r dark
⊙	30	46.3	47.2	29.139	^{46.7} / _{45.4}	SSE	—	51.0	42.5	6 v dark K. (clock stop)
	31	44.2	48.2	29.442	^{44.6} / _{44.1}	SW	126.8	49	43.5	6 v m? K
		40.31	43.50	29.423				44.22	36.70	
							✓44.5	✓37.2		

1862	10 A.M.				Wind		Rain		
April	E	A	Bar	Hyg ^o	Dir:	Miles	Squ:	Round	
1	48.7	46.4	29.262	⁴⁹ ₄₈	S	180.1	0.185	0.200	6 v K.C. CK
2	53	51	29.090	^{53.1} _{50.2}	SW W	106.0	0.178	0.227	6 v KC CK KS
3	48	49.5	29.367	^{48.2} _{47.9}	W 6 S	111.5	0.042	0.058	6 v h r K N A
4	44.9	46	29.920	^{46.1} _{36.9}	NW	29.2	0.004	0.007	4 v K. KS
5	49.6	45.6	29.510	^{50.1} _{28.3}	S	168.3	0.009	0.011	6 v m r KS N
6	45.5	47	29.674	^{45.4} ₄₂	NE	120.7	0.392	0.546	6 v h - C. CK CS
7	50.7	47	29.972	^{51.1} _{48.8}	ESE	87.4	0.013	0.012	6 v m K CKS.
8	52.7	49.5	30.102	⁵³ _{50.5}	SE	80.2	0.003	0.006	0 v m
9	52.3	50.2	30.070	^{52.7} _{47.7}	SSE	25	—	—	0. v m. KS.
10	51	50	30.002	⁵² ₄₇	NE	17.1	—	—	6 m
11	40	47.5	30.214	^{40.7} _{37.7}	NE 6 E	94	—	—	0. v. KS
12	43	42	30.200	⁴³ _{36.9}	W 6 W	65.0	—	—	0 v CKS
13	40.3	42	30.180	^{41.2} _{34.8}	N ½ W	65	0.031	0.036	6. v. K
14	40.4	42	29.868	^{40.4} ₄₀	SW	133.2	0.155	0.259	0 r
15	46	45	30.070	^{45.9} _{40.8}	N 26 N	108.2	0.234	0.339	6 v h K CS
16	49	46.5	29.644	^{49.6} _{43.5}	SW 6 S	265.0	—	—	0 v h K.
17	50	47.8	29.512	^{50.1} _{45.1}	WSW	228.5	0.054	0.125	6 v S KS
18	51.5	48	29.450	^{52.1} _{48.3}	SSW	218.4	0.082	0.109	0 v K KS
19	55.3	52	29.168	^{56.1} _{53.1}	SSW	324.4	0.078	0.136	6 v K KS
20	54.3	46.7	29.698	^{54.2} _{47.9}	SW	117.5	0.398	0.474	6 v K C
21	51.2	50	29.670	^{51.8} _{47.1}	S	92.3	0.046	0.044	0. v KS
22	51.1	51	29.146	^{51.3} _{47.3}	SSW	201.6	0.158	0.189	6 v KS
23	53.4	49.5	29.236	^{53.7} _{50.2}	SW 6 W	—	0.314	0.321	6 v K N
24	52	49	29.640	^{52.2} _{49.1}	SW	144.5	0.075	0.091	6 m KS
25	48.9	49	29.650	^{48.8} _{46.1}	N 6 W	61.4	0.288	0.276	6 v m KS
26	48.6	47	29.752	^{48.9} _{46.5}	NE	25.5	—	—	6 v h K K C
27	54.1	48	29.818	⁵⁴ _{49.1}	S 6 E	52.4	0.019	—	6 v K KC
28	57.1	52.8	29.961	^{57.1} _{52.1}	NW	81.2	—	—	6 v K
29	59.1	56	30.011	^{59.5} _{53.2}	S 6 E	146.6	—	—	6 v h C
30	58.4	55.6	29.800	^{58.8} _{50.8}	SSE	202.4	—	—	6 v h C. CK inches Brilliant Halo
	50.20	48.32	29.710				2.761	3.466	

Trem rain at 12 noon

swallow

com

1862	10 P.M.				Wind		Therm ^{rs}		
April	E	A	Bar.	Hyg ^r	Dir:	Miles	Max	Min	
1	51.2	49.5	29.132	51.5 49.7	SW	clock start	54.5	42 -	o gl.
2	46.9	51.5	29.207	47.3 45.8	SW	240.2	50.8	46.5	6 v KN
3	38.7	45.4	29.786	38.5 35.4	NW	125.8	43.0	34.7	6 v K K S
4	37.1	44.5	29.817	37.2 35.2	S	104.1	42.9	37.0	6 v tw
5	50.5	48.2	29.452	50.8 50.4	SW	195.6	53.4	37.5	o v r
6	45.1	47.7	29.854	45.4 42.8	NE	85.4	47.5	41.8	o v r
7	46.7	49.2	30.096	46.9 46.3	SW	—	51.5	41.2	6 v K. N. S (clock start)
8	48.2	52.5	30.073	48.7 47.4	SE	72	—	—	o m. K S - a little brighter at zenith
9	44.2	49.8	29.986	44.9 44.2	ELS	clock start	50.	45.5	6 m GK above A clock & cleaned today
10	47.7	52.1	30.066	47.9 45.9	N	13.5	52.0	42.8	6.0. v m K
11	33.5	41.5	30.264	33.6 29.4	N6E	119.1	37 -	33.4	6. V. C. C S { a corona of aurora round D. two Halos, one 45° the other about 90° Halos round at 6 PM
12	32.9	42.8	30.182	33.2 31.5	NW	101.5	38.5	30.4	6 v K snow at 3 PM
13	57.7	42.4	30.190	57.9 53.2	NW	108.8	44.5	29.5	o. v. K S. K (103.8)
14	41 -	44.8	29.804	41.4 40.8	NELN	174.0	45.9	36.5	o v dr
15	41.2	45	29.928	41.5 37.3	SE	38.3	45.0	38.2	o v
16	40.1	45.5	29.572	40.3 37.9	SW	220.3	45.2	40.5	6 S horizon dusky
17	41.5	45.7	29.546	41.8 40.5	SW	173.4	45.8	38 -	6 v
18	48.2	49.5	29.384	48.6 47.2	SSW	133.0	51.5	40.8	6 v K S
19	41.5	47.3	29.568	41.7 40 -	SW	177.5	46.1	42 -	6 v - Stratus
20	48.3	49.9	29.688	48.7 48.2	SE	84.3	54 -	38.8	6 v K S
21	50.5	52.0	29.408	51.1 49.8	SE	220.9	54.4	44.9	o gloomy & swirling wind
22	46.4	51.2	29.186	47.1 45.6	SW	—	51.6	46.8	6 v Str. K S slight aurora NE
23	44 -	49.2	29.588	44.4 42.5	SW	164.4	49 -	42.8	6 v slight aurora NNE
24	44.4	48.8	29.628	44.6 44.2	N6E	102.5	49.7	42.5	o r gloomy
25	42.3	50 -	29.569	42.8 42.2	W	42.0	48	43.9	6 v m Stratus aur NE
26	42.2	48.7	29.832	42.8 41.8	WSW	35.8	47.2	38.7	6 v K aur: SE behind clouds
27	46.4	51.1	29.874	46.7 46.4	SW	130.2	50.3	40.5	6 v black stratus aur light behind it
28	50.6	53.2	29.991	50.9 49.2	SE	108.3	55.5	42 -	6 v - slight aur
29	52.7	53.5	29.889	53.5 49.6	E	192.3	55.2	44.5	6 v. K. H. aur. K Cornet
30	54.1	56.2	29.778	54.6 52.4	SW	—	58.2	50.0	6 v. K CK H. aur.
	44.8	48.62	29.744				48.48	40.01	
							48.8	40.5	

1862	10 A.M.				Wind		Rain		
May	E	A	Bar	Hyg	Dir.	Miles	Squ:	Round	
1	52.3	54.5	29.741	52.2	NW	7.6	0.671	0.566	o. v. m. r
2	50.7	51	30.100	51	WNW	56.2	0.651	0.567	6. v. h. K
3	53	49.5	29.922	53.1	E	59.4	—	—	6. v. h. C CK Halo at 9 am
4	53	51.5	29.489	48.5	ENE	237.5	—	—	o r h of EW
5	56.6	53.5	29.723	53.9	SSE	73.6	—	—	6 v. h. K. C. S. A. blue NE peculiar green spots
6	59.2	56	29.797	59.7	SSE	119.3	0.076	drops	6 v C K. CK
7	56.9	53.8	29.665	53.9	ESE	59.5	—	—	6 v h K CC
8	56.1	54	29.470	56.8	SSW	125.9	—	—	6 v - K
9	55.3	53	29.291	55.6	NW	92.9	0.130	—	o v K A
10	53.3	54	29.423	53.7	W	33.	0.050	beated	o. v. K.
11	51.6	51.2	29.472	51.2	WSE	100.7	0.052	0.032	6. at horizon SE - v. r. (thunder very dist.?) KN
12	49.8	51.8	29.492	49.7	NW	39.2	0.077	0.057	6. v. K. KS KN A
13	53.8	52	29.832	54.3	SE	10.3	0.062	0.051	6. m KS. CS A
14	58.2	52	29.748	58.8	SE	134.5	—	—	6 h KC halo
15	54.8	52	29.900	54.7	E	14.1	—	—	6. h m K. C.
16	59	51.5	29.754	58.9	SW	5.3	—	—	6. h K. CK
17	60.5	56	29.896	60.7	SW	81.1	—	—	6. v. K. K St.
18	61	57.5	29.898	61.3	S	61.8	—	—	6. v. h C. CK CS
19	58.4	57	29.724	58.7	SW	217.1	—	—	o v KS
20	49.7	53.2	29.396	50.1	SW	13.1	1.000	0.884	6 v r N. KN
21	49	50.2	29.232	49.4	SWSE	129.2	0.391	0.361	6. v. drops - K A
22	51	52	29.482	50.9	WSE	78.1	0.085	0.065	o r NS
23	58.5	54.4	29.370	57.2	WSE	64.1	0.093	0.094	o KS
24	55.1	54	29.574	55.2	SW	91.5	x	x	6. v K
25	54.9	53.2	29.838	55.1	SW	126.7	—	—	(cocks left open)
26	57.5	54.6	29.727	58.1	WSW	178.1	0.046	0.053	6 r K N
27	58.5	56.8	29.606	58.2	W	93.8	0.587	0.536	6. v K N showery
28	57	53	29.728	57.2	N	28.8	0. x	0.002	6 v h K KS C in north. fine Halo
29	60.8	58	29.518	61.5	SW	143.2	0.008	0.011	o v KS N
30	53.5	58	29.422	53.4	NW	8.3	0.201	0.176	o r N. NK
31	58.9	53.2	29.792	58.8	WSW	34.7	0.106	0.095	6. v K S
	55.35	52.62	29.647				4.286	3.550	

[illegible]

1862	10 AM			Wind			Rain		
June	E	A	Bar	Hyg'	Dir	miles	Sqn:	Round	
⊙ 1	64	57.5	29.932	64.1 58.4	S	18.5	—	—	6. v. K
2	61.4	58	29.831	62 53.3	SSW	47.3	—	—	0. v. C. S!
3	55.1	55.7	29.771	55.8 57.8	WSW	51.5	—	—	0. v. KS
4	57	54.8	29.728	57.9 52.2	SW	214 2	0.391	0.295	0. v. N. K
5	55.1	51	29.490	56 53.4	W6S	53	0.349	0.392	0. v. KS
6	52.5	53.9	29.025	53.1 52.3	SE	128	0.101	0.100	0. v. r. KS. N Bar heavy
7	55.7	55	29.089	56.2 51.9	SW	306	0.282	0.360	6. v. q. KS. N Bar heavy Wind veer mid
Whit ⊙ 8	53	54.5	29.472	52.7 49	SW	150	0.038	0.074	6. v. K. C. CS lightning at N. 4.5
9	56.8	53.8	29.771	56.9 49.8	NNW	46	0.124	0.130	6. v. K Thunder at S. 4.0
10	57.1	53.3	29.661	57.9 50.9	S	52.5	0.151	0.137	0. v. CS. K. KS A fine Halo
11	52.5	53.5	29.000	53.1 51.7	E6N	189	0.540	0.636	0. m. r. KS. N
12	57.9	55.1	28.917	58.5 54.9	SE	135	0.330	0.360	4. v. q. KS. K. CK
13	55	56	29.032	55.4 49.2	SW	103	0.025	0.026	0. v. d. KS
14	54.8	54.5	29.341	55.6 53	W	124	0.366	0.350	0. v. d. KS
⊙ 15	51.7	53.2	29.645	52.1 49.3	NW6N	40	0.225	0.200	0. v. d. KS
16	55.6	51	29.921	56.1 50.4	N6E	38	0.014	—	0. v. KS
17	49.2	52	29.754	49.4 49.7	SW	93	0.292	0.325	0. v. m. r. q. KS. N
18	58	54	29.964	58.5 51.2	WSW	46	—	—	0. v. K. CK. KS
19	54.7	54.5	29.850	55.1 53.5	SW 1/2 S	109.5	Trace	—	0. Y. g. KS
20	53.8	54	29.770	54.2 52.1	W6N	72	0.015	0.030	0. v. g. KS
21	55	55	29.600	56.4 52.2	W6N	94	—	—	0. v. KS
22	55.7	53.5	29.564	56 53.8	WSW	72.5	Trace	0.005	0. v. d. KS
23	58	54.5	29.754	58.1 51.9	W	33.5	0.048	0.050	0. v. KS. K
24	56	55.5	29.822	56.8 50.4	NW	96.5	0.010	0.022	6. v. K. KS
25	58	55	30.043	58 51.6	W6N	25.5	—	—	0. v. K. KS
26	57.7	57	29.897	58.1 50.2	NW	76.5	0.016	0.020	6. v. K
27	55	55.2	29.677	55.9 50.7	NW	87.5	0.012	0.014	6. v. q. KS. K. N from S & SW
28	57.7	56	29.832	57.9 50.5	NW	39.5	0.029	0.029	0. v. h. K. S
⊙ 29	61	57	29.700	62 59.1	SW	95.5	0.059	0.064	0. v. d. KS
30	57.1	55.8	29.777	57.9 50	W6N	61.5	—	—	6. v. K. KS
	56.08	54.86	29.624				3.417	3.599	

1862	10 P.M.			Wind			Thermom.		
June	E	A	Bar.	Hyg.	Dir	miles	Max	Min	
1	55.3	59.5	29.860	56.2 48.8	S	84.3	69.5	46.8	b v C K A a wild sky
2	52.8	59.5	29.868	53.4 51.2	NW	80	69.3	52.5	b v m C K heavy dew
3	47.5	55.2	29.858	48.2 46.4	SW	76	69.5	48-	b ₁₀ v at 0.30 thunder commenced 1.30 hail fell size of a nut - thunder quite ceased at 4
4	49.7	54.1	29.634	51.5 49.2	SW & S	231.	70?	46.5	b. v. d. K S
5	51.2	56	29.423	56.8 56	NW	43	63.2	47.5	o. v. K S. K
6	48.2	54.5	28.921	48.5 47.8	SSW	252	60	49	b. v. q. K S. N from E to SSW
7	49	53.5	29.403	49.8 47.1	SW	342	61	48.5	b v q C K about moon
8	46.9	54.5	29.727	47.4 46.7	WSW	120	61	47.2	b. v. S. K
9	45.5	54	29.767	46.2 45.2	WSW	46.5	61.5	46	b. v. K S. C S
10	48.8	54	29.349	49.3 47	E	154	59	44	o. v. C S. S. K S
11	52	54.5	28.907	51.7 51.1	SE	179.5	58.5	48	o. Y. K S
12	52.5	55.2	28.913	53.1 52.5	SW	94.5	60.3	51.5	o. v. K S. K
13	50.9	55	29.236	51.2 50.7	SW	73	62	51.5	b. v. K S. K
14	47.8	54.3	29.496	48 47	NW & W	62.5	59	49	b. v. S. C
15	49.8	54	29.800	50.2 48.2	WNW	42	60	46.5	o. v. K S. K
16	48	55.5	29.960	48.6 48.2	W	27	62.3	49	b. v. m
17	47.8	54.5	29.822	48.5 47	WSW	93.5	62.2	47	b. v. K. S
18	50.1	55	30.053	50.4 48.2	W	59.5	61	46.5	o. Y. K. K S
19	51.1	55	29.886	51.7 48.9	W & N	88	62.5	48	o. v. K S
20	49.6	54	29.764	50 48.3	W & N	74	58.2	50	b. v. K S slight drizzle at 5 Pm
21	50.7	55	29.662	51.1 48.2	NW & W	84.5	59.3	49.8	b. v. K S.
22	50.8	54	29.588	51.2 49.8	NW	94.5	61	48	o. v. K S
23	55	56	29.738	55.8 54.1	SW & W	80	63	48.5	o. v. K S
24	50.8	53	29.965	51.2 47.8	NW	69	60.9	51.5	b. v. K S
25	55.3	58	29.984	56 54	W	68.5	64.5	49	o. v. K S. K
26	48.3	55.2	29.790	48.7 47.2	NW	75	60	50	o. v. d. K S
27	47.7	55	29.773	48 48.7	NW	88	57	48	b v S K
28	54.1	58	29.853	54.6 53.7	SW & W	39.5	62.3	48	b v S K
29	50.3	56.5	29.752	50.9 48.3	NW	72	62.6	51.5	b. v. K. S
30	52.4	56.8	29.757	52.8 51.9	SW	104	61.1	49.8	o drizzle N
	50.00	55.31	29.650				61.85	48.32	

1862	10 A.M.			Wind		Rain			
July	E	A	Bar	Hygr	Dir	Space	Squ	Round	
1	56.3	57	29.715	56.9	W	82.5	0.096	0.120	o.v.d. KS
2	56.2	55.8	29.612	56.4	W6N	80.5	0.194	0.183	b.v.g. K. KS
3	58.6	56	29.634	57.9	W $\frac{1}{2}$ N	91.5	—	0.004	b.v. K. KS
4	59.1	56	29.681	59.3	W	76.5	0.015	0.021	o.v. KS, K
5	53.7	55.2	29.448	54.6	NE6E	79	—	lost	o.v.d. KS. CS
6	55.7	55.8	29.119	55.9	NNW	119	0.390	0.516	m. r.
7	58.4	55.5	29.352	57.2	N	11	1.266	1.058	o.m. KS
8	58.9	55.5	29.809	53.2	NE6N	8.5	—	0.005	l.v. CS. K. S
9	60.6	57.2	29.627	61.2	SW	126	foggy	0.016	o.v.h.g. KS
10	57.1	57.2	29.608	57.2	NW	60	0.145	0.146	o.v.r. KS
11	60	56	29.708	58.2	SW	58	0.014	0.027	l.v. CS. CK. KS
12	61.5	56.2	29.183	62.1	S.W	111	0.704	0.768	o.v. KS
13	60.1	57	29.494	61.1	S6W	64	0.020	0.026	o.v. KS
14	61.1	57.5	29.423	61.9	SSW	140.5	0.047	0.062	b.v.g. KS. CK
15	59.7	58.2	29.340	60.9	SW6S	120.5	0.012	0.040	o.v.g. KS.
16	59.9	57.5	29.514	60.1	W6N	75.5	0.197	0.200	b.v. KS. K
17	59	58	29.550	59.5	S6E	52	0.140	0.110	o.v. CS. KS
18	59.4	58	29.648	58.1	S $\frac{1}{2}$ W.	127	0.028	0.032	o.v. CS. KS q. Halo
19	60.6	57.2	29.448	61.3	SW	203	0.104	0.141	At 10 ³⁵
20	58.5	56.5	29.834	58.4	W	389 ¹²	0.002	0.005	b.v.g. KS. K
21	58	55	30.064	56.5	NW	67.5	0.062	0.074	b.v. KS. K
22	59.9	57	29.993	56.9	SW	43	lost	0.012	o.v. d. KS. K
23	60.2	55	29.871	52.2	WSW	8	trace	—	b.v. CS. KS
24	63	60	29.448	61.9	SSW	160	0.162	0.185	b.v. KS. CS. K
25	60.3	58	29.770	61.2	W	21.4	none	0.047	o.v.g. KS
26	62.5	59.5	29.780	63	SW6W	85	—	—	b.v. KS. K
27	59.1	56.2	29.760	59.1	SW6W	147.5	0.021	0.043	b.v. KS. CK. K
28	58.9	57.2	29.922	59.2	SW6S	125	0.116	0.120	b.v.g. KS. CS
29	59.4	55.5	29.957	59.6	WSW	57.5	0.148	0.147	b.v. KS. K
30	61.7	55.4	29.920	62	SW	31	—	—	b.v. KS. CS. K
31	60.8	58.2	29.637	61.4	SW6S	174	0.106	0.213	b.v. KS Halo
	59.24	58.92	29.641				3.989	4.550	o.v.d. KS

1862	10 P.M.				Wind		Thermometer		
July	E	A	Bar	Hygr	Dir	Miles	Max	Min	
1	53.9	57.5	29.597	52.7	W	88.5	62	52.5	o. v. KS.
2	17.1	56	29.658	53.2	WSW	106.5	59.8	48	6. v. S. K
3	18.2	56.2	29.636	52.8	SWW	63.5	62	46	6. v. S. K
4	51.1	55.2	29.640	52.2	NE	28.5	62.9	47.5	6. v. KS. K
5	50	56	29.196	50.1	NE	175.0	57	49	o. v. d. KS. N
6	50.9	56	29.196	51.1	NW	45	57.2	51	o. v. d.
7	52.5	56	29.597	52.1	N	10	59	50	o. v. KS
8	56.2	57.4	29.695	52.9	SE	66	63.5	51.5	o. v. KS
9	54	58.4	29.498	52.8	SW	136	66	55	o. v. r. KS. N
10	46.8	56	29.781	54.4	WNW	65	60	48	6. v. S. K
11	50.7	55	29.336	52.2	SEBS	124	61.2	44	o. v. d. CS. KS. N.
12	53.7	59	29.400	50.8	WBS	47	66	51	6. v. CK. S. K
13	52.4	58.5	29.466	53.2	SWBS	119	64	51	o. v. CK. CS. KS
14	54	58.5	29.361	52.2	SSW	239	66	53	o. v. KS
15	53	58	29.391	52.7		151	62.5	52.5	6. v. KS
16	52.7	58	29.600	52.2	WSW	37	62.3	52	6. v. KS
17	52.5	58	29.350	52.8	SWW	207.5	62.2	51	o. v. d. q. KS
18	51.3	57.5	29.670	53.3	SW	155	62.2	48	o. v. d. KS
19	51.3	58	29.676	52	SW		62.5	50	6. v. q. KS. S
20	50.8	58	29.928	49.2	WSW	86.5	64.5	50	6. v. KS
21	49.1	56.5	29.092	48.5	W	55	68	49	o. v. S
22	51.2	60.5	29.922	52.1	NW	39	63	47	6. v. CS. KS
23	52.9	60	29.764	50.2	S	48	63	45	o. v. d. KS
24	55.9	59	29.405	53.2	SW	34.5	67.5	52	o. v. q. KS. Blowing a gale
25	49.2	56.5	29.917	50.1	WBS	66	62.8	52	6. v. S
26	50.1	56	29.732	49.3	SW	208.5	63.2	47.5	6. v.
27	49.5	57.2	29.872	48.5	SW	118	62.8	48	6. v. C. CS. KS
28	49.2	57.5	29.914	49.9	SW/S	95	62.6	48	6. v. KS
29	49.2	57.5	29.992	49.3	WSW	30	63	45.5	6. v. KS. K
30	56.5	57.2	29.645	48.7	W	126	62.8	44	o. v. KS
31	57	59.8	29.648	57.1	SW	118	63	56	6. v. KS - light round horizon
	51.91	57.36	29.630				62.47	49.65	
							62.7	49.5	

1862	10 A.M.			Wind		Rain			
August	E	A	Bar	Hyg:	Dir	Miles	Sq: R		
1	61.	59.8	29.664	62.1 56.9	SW	72.5	0.018	0.018	6.9 K KS
2	60.9	58.9	29.709	61.2 56.2	SW & S	121.5	—	—	6.2 v K KS gleamy
3	62.8	58	29.850	63.4 56.3	SSW	60.9	0.007	0.041	6 v K KS
4	61.1	59.1	29.678	62.3 58.2	SE & S	306.0	0.003	0.008	6.0 r KN
5	55.7	58.0	29.244	56.3 51.	S	130.9	0.614	0.717	6.0 v KN violent rain at 3.40 PM
6	57.	58.2	29.352	57.6 53.5	SW	121.	0.753	0.433	6.3 v K. KN
7	60.2	56.	29.149	60.3 58.4	SW & S	53.5	0.029	0.033	6.3 v K KS
8	59.6	56.8	29.343	60.2 56.2	NNW	52.3	0.114	0.082	6.7 v K KS bright round hor. & east.
9	58.4	57.	29.604	58.8 53.2	WNW	45.5	—	0.002	6.7 v KS - S
10	57.4	57.7	29.790	57.8 53.9	W	82.1	—	—	6.7 v KS.
11	58.2	58.	29.932	58.4 53.7	SW & W	34.4	—	—	6.7 v KS
12	60.2	59.5	29.783	60.9 59.1	SLW	58.7	0.013	0.009	6.7 v KN
13	60.1	59.1	29.621	60.6 58.8	SW	66.0	0.091	0.093	6.7 m dry NS K
14	61.1	61.5	29.550	61.8 57.6	W & N	30.8	0.255	0.267	6.7 v KA N.C
15	60.6	59.8	29.697	61.6 57.9	NNW	14.2	0.004	0.007	6.7 m KS - A
16	61.4	59.2	29.815	62.7 58.7	NNE	10.5	—	—	6.7 m KS m=Eastwind haze
17	54.9	59.	29.863	55.5 52.6	NNW	20.9	—	—	6.7 m gl. smooth grey
18	57.7	56.2	29.817	58.3 55.9	SW & S	49.5	—	—	6.7 v. H, Hs
19	59.7	59.	29.552	60.8 57.4	SSW	179.	—	—	6.7 m, Hs.
20	58.2	55.5	29.835	58.3 53.	SSW	54.5	0.135	0.138	6.7 v. H
21	62.7	57.3	29.750	63.4 56.4	SW	93	—	—	6.7 v. c. cs, Hs
22	57.3	57.3	29.733	57.3 53.3	SW & W	79	0.024	0.019	6.7 v. H, Hs. n.
23	60.8	55.7	29.950	61.2 54.2	WSW	72	0.035	0.037	6.7 v. c. H, Hs
24	61.6	57.7	30.057	61.3 57.7	E & S	9.5	—	—	6.7 m. cs, Hs
25	61.3	58.6	30.003	62.2 58.3	SE	87	—	—	6.7 m. uniform grey cloud
26	59.7	59.	29.770	60.4 55.6	SE & E	109.5	—	—	6.7 m. c. c. H, Hs
27	62.4	59.5	29.799	62.7 60.6	SW	63	0.195	0.162	6.7 m. Hs. n.
28	59.7	57.3	30.036	60.2 58.7	NW	34.5	0.135	0.110	6.7 v. H,
29	57.	56.3	30.047	57.4 52.6	NW	26	—	—	6.7 m. Hs
30	59.4	57.5	30.006	60.5 55.5	NE & E	35	—	—	6.7 m. Hs
31	59.3	57.	30.023	60.5 54.5	NE	13.5	—	—	6.7 m. c. cs, Hs
	59.65	58.13	29.743				2.425	2.176	

1862	10 P.M.			Wind			Thermometer		
August	E	A	Bar	Hyg	Dir	Miles	Max	Min	
1	55.3	60.3	29.891	55.7	SW	161.0	65.8	53	b. K KS strong twilight & Aur
2	52.7	59.7	29.816	52.5	SW6W	61.5	66.2	52.5	3 v S. KS
3	56.8	60.2	29.784	57.4	S	cloudy short	68.4	48	2 v KS
4	54.9	58.5	29.364	55.6	SE	302.0	63	54.9	0 v KS slight aur
5	52.3	58	29.254	54.8	WNW	24.6	62.9	50.8	0 r g blowing violently, Trace of Aur
6	51.4	57.5	29.326	53.6	S	87.5	62	47.5	6.0 S remains of sunset from W to N
7	51.3	57.5	29.255	53.6	NW	10.2	67.8	51.5	6 KS
8	52.9	58.8	29.584	53.2	NW	64.0	62.1	59.5	1/2 m K moonlight - sky high
9	54.2	57.7	29.780	54.3	WSW	48.5	62.1	53.5	6 v K KS - S.C. aurora
10	53.3	58.4	29.889	53.9	WSW	84.1	62.5	53.5	0. KS
11	57.3	59.3	29.896	57.8	SE6S	47.2	64.	52.8	0 v. S. K smooth grey K at SE
12	59.7	59.5	29.718	57.2	SW6S	119.3	63.3	57.5	6 v S K - singularly soft, slight drizzle also
13	55.4	60	29.535	56.1	SW	100.7	67.8	56	0
14	57.2	61.5	29.663	57.9	N	15-0	63.	54.8	0 gl. r
15	56.1	60.9	29.782	56.5	N	33.8	62.5	56.5	0 gl. KS
16	54.2	59.9	29.873	54.7	N	51.3	63.6	53.5	6. CK
17	53.7	59.2	29.887	54.1	NW	26.	62.3	53.5	0 gl
18	57.2	59.	29.710	58.2	SW6S	156.	63.3	47.	0 gl. a line of light round it except at SSE
19	51.9	58.8	29.737	54.5	SSW	62	61.8	53.5	1 v. H. H.S
20	53.	60.3	29.800	53.8	SW	68.5	62.	46	6 v. H. H.S
21	56.8	61.	29.719	54.2	SW	90.5	64.	49	0. m. H.S
22	48.1	59.	29.863	48.8	SW	76	62.3	49	0. v. c. H. H.S
23	52.6	59.	29.991	53.2	WSW	48	63.	45.	6. H.S.
24	56.	60.	30.077	56.8	SE6S	77	66.6	53.	0. m. H. H.S
25	57.6	60.6	29.877	58.3	E	144.5	63.	53.6	0. m. n.
26	57.2	59.6	29.723	54.4	SE6E	99.5	63.2	54.	0. m. CK,
27	56.4	60.5	29.937	57.5	NW6W	39	68.	57.5	0. m. rain
28	50.2	59.	30.085	50.7	N	44	62.2	46.5	6. m. H.S.
29	53.1	59.	30.040	53.7	ESE	40.5	64.	46.5	6. v. H.S bright Aurora in N.NW
30	50.5	59	30.005	53.1	N	52.5	63.	51.5	6. m. H.S. & haze
31	53.	59.5	30.050	53.2	N6W	77	62.4	49.	6. m. H.S. & haze
	54.27	59.36	29.764				63.38	51.61	0. m. H.S.
							63.6	51.95	

1862	10 AM				Wind		Rain		
Sept.	E	A	Bar	Hyg ^r	Dir	Miles	Squ	R	
1	58.6	58.	29.993	59.1	N	9	---	---	6. m. Hs
2	60.4	57.	29.590	60.6	S	28	---	---	6. m. S. H. Hs
3	58.1	56.	29.363	59.3	W	55	0.495	0.441	6. V. H. Hs. c. cs
4	54.2	56.	29.672	54.4	WNW	85.7	0.102	0.093	4 hail 4 m Thunder at 12.27 overhead
5	58.9	57	29.776	57.2	NW	49.9	0.008	0.012	0 v KS
6	59.2	57.	29.787	59.1	SWbW	19	0.015	0.005	6 m KS
7	60.3	58.	29.760	57.5	SWbW	102	0.027	0.024	6. m. Hs
8	59.7	56.5	29.823	57.5	S.W	81	---	---	6. m. cs. H. Hs
9	56.5	54.3	29.873	56.2	WSW	39	0.030	0.029	6. m. c. cs. H
10	57.4	55.	29.853	57.6	SWbW	63	---	---	6. V. c. H. Hs
11	54.	53.5	29.936	54.3	SSW	29.5	0.011	0.090	6. m. cs. H. Hs
12	58.8	56.5	29.823	51.9	SSW	124.	0.060	0.042	0. v. Hs
13	52.9	57.	29.467	52.3	WbS	45.	0.395	0.470	0. m. rain
14	57.2	53.4	29.715	57.6	NNE	43	0.145	0.153	6. V. H. Hs
15	54.6	52.8	29.955	52.3	NNEbN	33	---	---	6. V. H
16	55.3	54.2	30.206	54.7	NWbW	17	---	---	6. m. Hs
17	57.1	53.8	30.260	55.5	SWW	8.5	---	---	6. m. haze
18	59.2	55.5	30.285	57.4	SWbW	67.5	---	---	10. m.
19	57.	56.5	30.295	57.7	N	12.	0.005	0.007	6. m.
20	55.2	56.5	30.219	56.3	NNEbN	17	0.005	0.011	0. m. - fog
21	57.8	58.	30.137	55.7	NNE	38	0.008	0.013	0. m. - fog
22	54.2	57.	30.163	57.2	SEbE	66.5	---	---	0. m. - fog
23	54.8	55.4	29.940	57.6	ESE	64	---	---	0. m. Hs
24	55.7	56.	29.685	58.5	E	113	0.017	0.013	0. m. Hs
25	59.3	57.	29.647	56.4	SSW	67	0.130	0.139	6. m. c. cs. Hs
26	58.3	59.	29.547	57.3	SW	148.5	0.186	0.179	6. m. c. cs. H. Hs
27	61.	58.	29.690	57.1	SSW	71.	---	---	0. m. Hs. n.
28	58.8	56	29.714	57.4	SEbE	24	---	---	6. m. H. Hs
29	59.6	58.	29.520	57.5	SEbE	116	---	0.009	6. m. H. Hs
30	56.6	57.	29.286	60.3	SSW	171	0.065	0.067	6. V. H. Hs + sand
	57.26	56.20	29.835	57.2			1.704	1.817	6. V. H. Hs

1862	10 P.M.			Wind			Thermom ^r		
Sept ^r	E	A	Bar	Hygi ^r	Dir	Miles	Max	Min	
1	51.4	60.	29.873	52.5	ENE	49	63.3	51.5	6. m. Hs toward NE
2	51.8	58.5	29.440	52.3	W	64	62.3	46.	9. m. rain
3	52.2	57.6	29.542	52.7	N.W	86-8	62.8	50	0. V. H. Hs
4	52.1	56.6	29.687	52.9	NW	104.4	59.3	50.5	6. V. KS
5	54.6	58.	29.824	53.2	N.W.	32.	62.4	51.5	0. m. Hs
6	57.3	58.8	29.733	53.7	SEW	82	63.	53.	0. m. Hs.
7	50.6	59.	29.880	51.6	S.W	68	62.5	52	6. V. S
8	47.8	58.	29.917	48.4	SW6W	124	62.2	49	6. V. C. CS
9	46.9	57.3	29.855	47.6	SW6W	65	62.2	46	6. V
10	47.7	56	29.880	46.2	W	49.5	59.	44	10. V. H. Hs
11	53.6	56.2	29.857	48.	S	94	58.8	44	0. m. Hs
12	57.6	58.8	29.718	53.2	S.W.	39	63.	53.5	6. m. H. & Scud. g
13	45.7	55.	29.550	56.6	SW6W	60	60	47.	6. m.
14	47.5	54.5	29.870	46.4	N	57	60.4	43.	10. V. H. Hs
15	47.7	55.6	30.092	47.8	N	43	56.	44	6. m. CS
16	54.4	57.5	30.238	48.3	NE6N	47.5	62.5	46	6. m. H. Hs
17	52.7	58.	30.272	52.8	SEW	85	62.	45	6. m. H. in N.E.
18	52.2	59.	30.287	53.3	SEW	55	62.4	48.5	9. m
19	52.8	59.4	30.256	53.5	E	39	62.2	50.	10. m. haze round horizon
20	52.8	59.	30.183	53.3	NE6N	45	62.2	47.5	0. m. fog stars visible a few minutes before
21	54.5	60.2	30.185	53.2	NE6E	82	62.6	52.5	0. m. Hs
22	49.6	56.6	30.062	53.5	NE6E	71.5	56.	50.	0. m. Hs
23	51.4	56.8	29.837	50.3	E	111.	59	49.5	6. m. C. CS
24	54.5	56	29.577	51.9	SE	127.5	57.	51.5	0. m. rain
25	56.8	59.5	29.600	49.2	SE	91.5	64	54.5	0. m. rain
26	55.6	59.	29.627	53.6	S	104.	63.	53.	0. m. C.S. Hs
27	51.2	59.	29.713	54.5	S	57.5	62.3	53.	6. m.
28	56.3	59.	29.656	51.5	S.E.	110.	62.2	48.5	10. m. Hs clouds from SW
29	56.8	59	29.389	57.	SE6S	225.5	62.2	53.5	0. V. Hs. n.
30	47.7	54.5	29.426	55.5	SSW	191.5	59.2	48.	0. V. rain. g
	52.14	52.30	29.834	48.3			60.99	49.08	
				46.2			61.2	49.3	

1862	10 AM				Wind		Rain		
Octob:	E	A	Bar	Hygr:	Dir	Miles	Squ	R	
1	49.	52.	29.677	49.6	SSW	191.	0.043	0.042	o. m. c. c. s. Hs.
2	58.7	57.	29.775	59.4	W.	180	0.337	0.399	6. V. Hs
3	60.8	58.4	29.950	61.6	SW	254.	0.013	0.010	o. v. Hs
4	58.8	57.3	30.213	56.8	NNW	23	0.135	0.150	o. v. c. c. s. H
5	59.8	57.	30.180	60.3	SEW	88.	---	---	6. V. H. Hs
6	55.4	54.	29.740	55.4	SSW	162	0.007	0.011	o. m. rain
7	52.	52.	30.067	52.6	WbS	59.5	0.095	0.094	o. v. c. c. s
8	54.5	55	30.226	53.2	SSW	13	trace	trace	o. m. uniform grey cloud
9	52.7	52.8	30.149	53.5	NbE	21.5	---	---	6. m. Hs.
10	56.3	54.3	29.920	56.4	E	49	---	---	6. m. c. Hs
11	58.3	56.	29.615	58.8	ESE	36	0.050	0.043	6. m. c. c. s. Hs
12	61.7	57.	29.093	57.2	SW	230	0.230	0.310	o. m. rain
13	51.4	51.5	29.415	51.6	SW	220	0.124	0.121	6. v. c. Hs
14	49.7	52.8	29.525	50.	SE	240.5	0.025	0.024	o. m. c. c. s. Hs
15	48.9	49.6	29.422	49.2	SEW	80.5	0.525	0.549	o. v. H. Hs
16	49.4	50.	29.677	49.4	SW	128	---	---	6. v. Hs
17	45.4	49.8	29.190	45.6	SWbW	218	0.470	0.668	6. v. c. c. s. H. Hs. g
18	44.2	46.2	29.256	44.3	SW	190	0.247	0.268	6. v. H. Hs. n.
19	46.7	46.5	29.108	45.	SSW	190	0.053	0.036	o. v. H. Hs
20	39.3	44.2	28.871	39.6	SWbW	197	0.880	0.950	o. v. n. g
21	46.7	45.2	29.535	45.	WbS	134	0.277	0.288	o. v. H. Hs
22	51.	49.	28.960	51.7	WbS.	289	0.133	0.165	6. v. H. Hs. g
23	49.2	46	28.737	49.6	WbN	329	0.184	0.426	6. v. H. Hs. n. g
24	40.5	45	29.486	40.8	W	53.5	0.060	0.034	6. v. c. H. Hs.
25	48.8	46.	29.358	49.3	SW	180.5	0.143	0.173	o. v. H. Hs. n.
26	47.4	48	29.336	47.4	WSW	183.	0.266	0.451	6. v. H. Hs. n. g
27	53.	49.	29.300	50.6	SW	314	0.097	0.173	o. m. rain. g
28	41.7	44.	29.485	41.8	SW	193	0.345	0.491	6. v. c. c. s
29	40.5	43	29.760	39.8	SW	65	---	---	6. m. Hs
30	41.5	43.5	29.551	41.3	S	165	---	---	6. v. c. c. s. H
31	49.5	47.	29.406	48.7	S.E.	176.5	0.024	0.028	o. m. H. Hs. c. s
	49.93	50.30	29.547				4.765	5.904	

1862	10 P.M.			Wind			Thermometer		
October	E	A	Bar	Hygro	Dir	Miles	Max	Min	
1	56.3	56	29.615	52.3	SW	223	58.4	43.	o. v. Ks. g
2	59.7	58.	29.773	60.6	SSW	145	61.7	58	o. v. uniform gray cloud
3	54.7	59	30.100	55.2	WNW	107.5	65.3	55.5	o. m. light rain
4	54.3	60	30.317	55.3	S	49	60.	51,	o. m. uniform cloud
5	57.3	58.8	29.965	58.2	S	128	62.3	54	o. v. Ks
6	44.2	52.6	29.909	44.6	W	83.5	60.	45	b. m. c
7	51.8	55.5	30.145	52.3	SWbS	52	57.2	41.	o. m. uniform cloud, light rain
8	52.6	55.2	30.211	53.2	SE	16	57.	52	o. m. Ks.
9	47.8	55.8	30.085	48.3	E	52	58.4	47.5	b. m.
10	53.	56.	29.804	53.5	N. E. b. N	84.5	61.	46.	o. m. uniform gray cloud * 54 53
11	53.8	57.7	29.500	54.5	SE	132	61.2	54	b. m. c. s. Ks
12	45.8	53.5	29.233	53.7	SW	196	59.4	46	b. v. Ks
13	51.6	53.3	29.173	52.1	S	136	54.6	44	o. v. Ks. g Bar. heaving
14	41.6	51.	29.301	41.7	N. NW	82	55.	41.6	o. m. rain
15	45.3	51.5	29.410	45.8	SW	125.5	54.	41.	b. v. K. Ks. Sheet lightning at 7.40
16	48.6	51.7	29.440	46.2	SW	225.	55.	40.5	o. v. Ks. rain. g
17	38.3	46.8	29.217	38.7	S. W	234.5	52.	38.	b. v. Ks. g. hail at 5.10
18	38.	47.7	29.357	38.6	SSW	128.	48.	39	b. v. K. cs
19	42.1	47.4	28.509	41.4	WNW	184	48.2	38	o. v. Ks. g
20	40.	44.8	29.243	39.7	SWbW	209.5	45.3	35.6	b. v. Ks. n. g
21	48.3	47.7	29.476	42.9	SW	120.	52.5	39.5	o. v. Ks.
22	40.7	46.7	28.973	41.3	SW	241	55.5	40.5	b. v. K. Ks. Aurora in NW lightning at 6.50
23	41.7	47.	29.169	41.5	WbN	150	51.1	38.	b. v. K. Ks. n. g occasionally
24	41.	46.5	29.665	40.2	WbS	91.5	47.4	38	b. m. c. c. s
25	50.8	50.4	29.180	40.3	WSW	271.	56.6	40.	o. m. rain g
26	41.6	47.8	29.509	41.8	WSW	169	53.3	42.	b. v. c. K. Slight Aurora, hail at 2.45
27	41.6	46.8	29.297	40.6	WSW	217	52.	42	b. v. c. es. K. Ks. g
28	38.1	45.	29.530	41.8	SW	179	47.2	36	b. v. K. Ks
29	39.5	46	29.737	38.3	S	88	46.	34	b. v. K. c.
30	41.8	46.2	29.444	39.7	S. W	176	49.5	37.	b. m. haze round the Horizon
31	46.	48.3	29.475	46.3	W	147.5	53.	41.5	o. m. rain
	46.74	51.31	29.541				54.57	43.01	
							54.7	43.2	

1862	10 A.M.				Wind		Rain		
Nov ^r	E	A	Bar:	Hygr:	Dir:	Miles	Squ	R	
1	46.2	47.	29.653	46.6	SW	46	0.153	0.143	6. m. K. cK
2	49.7	48.	29.656	48.3	S.W	163	---	---	7. v. cK.
3	48.6	47.	29.642	49.6	S	100.5	0.020	0.021	7. v. c. H. Hs
4	44.4	49	29.753	47.6	SW	152.5	0.077	0.084	7. v. c. H.
5	38.7	44.3	29.869	38.7	NNW	36.5	0.013	0.006	0. m. c. s. H. Hs (rain at 10.20)
6	37-	42.3	29.862	37.2	SW	43.1	0.142	0.129	fog
7	41.9	41.2	30.075	41.4	SW	42.2	0.007	0.010	6. m. cK
8	44.1	43.6	29.877	44.1	SSW	120.1	---	0.007	0. h. KS
9	40.9	44.4	29.262	41.1	SWW	147.2	0.254	0.433	6. v. h. K
10	33.6	39.	28.894	33.6	SW	281.3	0.037	0.037	6. s. K. N. snow had fallen
11	33	39	29.259	34.8	SWW	173.3	0.145	0.174	6. v. dark cloud two miles off our side
12	34.5	50.	29.857	34.3	SW	90.5	Frozen	---	6. v. m
13	42.5	41.8	29.600	42.1	SE	107.8	0.110	0.133	0. R. N
14	37	39.8	29.810	36.9	SW	64.6	0.317	0.359	6. h. C. K.
15	35.1	38.7	30.107	35.5	SSW	43.6	---	drops	6. m. C. C. K. CS
16	43.7	43	30.074	43.8	W	106.0	0.037	0.041	6. h. C. K. KS KN. CS KS very black. driven rapidly from N - S from SW
17	37.5	40.5	30.275	37.9	SSW	58.7	---	0.005	6. m. CS
18	37.2	39.5	30.194	37.8	SSW	53.4	---	drops	6. m. C
19	27.2	36.5	30.180	27.2	SE	1.4	---	---	fog - hoar frost
20	38.1	38	30.115	38	NE	71.7	0.014	0.010	6. v. h. CK KS
21	38.1	39.4	30.102	38.4	N	16-	0.005	drop	6. v. h. CK
22	34	38.2	29.800	34.9	SSW	39.5	---	---	6. m. K. C
23	38.2	39	29.483	38.4	ES	106	0.010	---	0. v. m. KS. K
24	30.8	37.2	29.647	30.8	SW	13	---	---	6. m.
25	35.7	36.	29.653	35.7	S	61	---	---	10. m. c. s. Hs
26	34.7	34.7	29.425	34.7	SE	36.5	---	---	6. m. s. c. s. Hs
27	35.7	37.2	29.142	35.3	SW	104.	0.140	0.143	6. m. c. s. Hs
28	41.2	38.	29.299	41.2	SE	142	0.027	---	0. m. e. Hs. n
29	42.	39.4	29.450	42.2	SE	56	0.265	0.229	0. m. c. s. Hs. n.
30	42.6	40.6	29.480	42.6	SE	142	---	---	6. m. Hs
	38.80	41.07	29.716				1.773	1964	

1862		10 P.M.			Wind		Thermometers			
November		E	A	Bar.	Hygro	Dir	Miles	Max	Min	
1	44.1	48.1	29.666	44.3	S	117	50.5	43	0. V. H. H.S	
2	44.1	49.1	29.715	44.4	S	82	53.	43.5	6. m.	
3	51.3	52.	29.590	51.7	S	226.5	56.8	42.	6. V. c. c.H. n.	
4	38.5	47.	29.886	38.9	S	103.	53.4	39.	6. V.	
5	42.7	44.	29.828	42.5	N	42.9	42.3	34.	0. m. H.S	
6	32.8	43	29.962	33	SE	42.2	39.5	33	m.	
7	33.4	42	30.178	36.1	SW	54.5	42	31.5	6 m EKC dark corona & partial halo	
8	40.8	46	29.383	47	SW	360.2	49.2	40.5	0 V KN	
9	36	41	29.000	36.2	SW	217.8	47	35	6 v K a wild sky n e	
10	31.6	39	28.994	31.7	SW	223.2	39	31	6 dark K & KN - snow lying	
11	32.2	39	29.604	32.3	SW	98.5	41.2	31	6 & some snow still lying	
12	32.5	39.5	29.900	32.2	S	152.8	37.1	31	6. v	
13	38.2	41	29.649	38.2	SW	134.6	45	32.5	6 fog - sky suddenly clearing at zenith	
14	37.4	41.2	29.988	37.9	NW	52.6	43.2	32	6 hKS slight dust - stars twinkling	
15	40.2	33.5	30.072	40.6	SW	64.2	44	31	gloomy entirely overcast & black	
16	33.3	42.5	30.232	33.9	SW	73.6	40	31	6 h	
17	33.3	41	30.204	33.4	SW	103.3	41.2	31	6. h bank of cloud round horizon	
18	30.3	40.	30.178	30.6	SSW	33.6	39.4	30.5	6 fog	
19	36.5	37	30.135	36.6	NE	18.5	39	26.5	0 v. dark KS fog gone	
20	37.9	30	30.112	37.9	N2	62.8	42.2	33.5	0 gloomy & black pleasant	
21	30	38.5	29.992	30.1	SW	20	37.	30	6 v bank of fog round horizon	
22	34.2	39.8	29.572	34.3	N	7.5	39.6	30.5	0. m. g	
23	32.2	40.	29.577	32.3	NW & N	81	39.	33.	6. m. H.S	
24	29.2	39.	29.650	29.5	SW	63	35.5	29.	6 m	
25	28.6	37	29.640	28.6	S	38.	34.4	28.5	6. haze round horizon	
26	35.7	37.6	29.142	35.5	SE & E	120.5	39.	24.5	0. V. rain	
27	35.	39.	29.202	35.2	SW	155	40.7	31.7	6. v. auroral arch from NE to WNW?	
28	39.6	40.3	29.334	39.7	SW	148	45.3	31.6	about 250 high - a meteor seen at 7.50 by J.E. moved from E. to W	
29	39.4	41.	29.413	39.3	SE	134	44.6	34.	0. m. c. H.S } burst near the meridian, heard the report about 20 after -	
30	43.2	43.	29.473	43.4	SE	164.5	47.	38	6. v. H. H.S } 0. V. rain	
	36.67	41.06	29.712				42.69	33.12		
							42.9	33.3		
									J. E. = Joseph Emerson	

J.E. = Joseph Emerson

1862	10 AM				Wind		Rain		
Decem	E	A	Bar	Hygr:	Dir	Miles	Squ	R	
1	42,	42	29.414	42.2	ENE	126.5	0.070	0.045	o. m. H. Hs
2	45,	42.7	29.307	45.3	E	153.5	---	---	o. m. H. Hs
3	48,	44,	29.343	46.2	268	177.5	0.076	0.069	o. m. H. Hs
4	48.4	45.7	29.419	48.3	SE 26 E	199.	0.134	0.113	o. m. Hs
5	51.4	48,	29.377	51.2	SE	248	0.075	0.092	o. m. rain
6	50.5	49	29.250	50.3	SW	273.5	0.505	0.580	b. v. CS. Hs
7	45.7	47	29.648	46.1	SSW	210.	---	---	b. m. C. CS. H
8	39.6	42.2	29.837	38.8	WSW	149.5	0.190	0.212	o. m. H. Hs
9	46.1	44.6	29.530	46.2	SSW	222.5	0.196	0.244	o. m. rain
10	40.8	45,	29.508	40.6	SW 6 W	171.	0.142	0.220	b. v. Hs in North
11	37	43	29.545	37.2	SW	199.6	0.041	0.049	b. v. h C CK CS (A Clock Stopped at 6)
12	35	39.9	29.990	35.1	SSW	145.1	0.025	0.028	b. m. C CS
13	37.9	42	29.616	37.6	SW	224.3	0.269	0.348	b. v. C
14	42.1	41.2	29.960	42.3	SW 6 S	198.5	---	---	b. v. h. C CK KS
15	46	44	29.812	46.2	S	263	---	---	b. v. q. KS
16	47.2	47.2	29.806	47.8	WSW	326	0.131	0.251	o. v. g. r. N. KS
17	38.1	42.2	30.062	38.2	SSW	127.5	0.640	0.639	b. v. h KS light = 1° round horizon
18	49.2	45	29.832	49.5	W 6 S	301	0.145	0.286	o. v. q. KS
19	43.6	44.2	29.588	43.9	W	325.2	0.110	0.093	b. v. h NK CK bright sun & rainsquall
20	39.1	40.5	29.576	39.1	NW 6 W	267	0.035	0.125	b. v. q. KS. CS. N. m. NW
21	39.1	41.5	30.142	39.5	N	192.9	0.052	0.099	b. v. r N KS
22	42	41	30.077	42.1	SW 6 W	70.5	---	---	o. v. m
23	48.2	44.5	30.012	48.5	NW	103.5	0.172	0.202	b. v. m KS
24	45.1	44.5	29.929	45.6	SW 6 S	171.5	---	---	o. v. g. KS
25	41	43	30.004	41.7	SSW	158.8	0.011	0.136	b. v. h C. CK
26	45	45.5	30.010	45.5	W 6 N	284.3	0.100	0.108	b. v. h CK KS
27	47.9	45.2	29.981	47.2	SSW	160.8	---	drops	o. v. h KS part of S. l. visible blackbird
28	43.2	46	29.660	43.4	SSW	257.5	0.031	0.137	b. v. h C CK. plain vis: M. shell shrouded
29	43.7	46	28.931	43.2	SW 6 W	229	0.159	0.263	b. v. h KS
30	40.7	42.5	29.322	40.9	WNW	158.2	---	0.002	b. v. h K. KS. C
31	36.8	40.8	29.810	37.1	SSW	118.7	---	---	b. v. h K. C. CK part of S. l. visible
	43.37	43.86	29.686	43.77			3.309	4.361	

1862	10 P.M.			Wind			Thermometer		
December	E	A	Bar	Hygro	Dir	Miles	Max	Min	
D 1	44.1	42.	29.308	44.2 42.3	E	133.5	46.	41.3	o.v. KS
2	45.5	43.6	29.305	45.7 43.7	E	163.5	47.5	43.	o.v. KS
3	45.3	45.	29.320	45.7 44.5	SE	199	50.4	45.	o.m. KS light Rain
4	49.	47.7	29.447	49.4 48.5	SE	287	52.3	45	o.v. KS. Scud
5	47.3	48.3	29.370	47.6 46.4	S	332.5	53.5	47.3	o.v. c. cs. H. D Halo
6	47.3	49.	29.420	47.7 46.7	SSW	238.	53.	47.	o.v. H. KS
7	41.8	47	29.704	42. 40.3	WN	155	49.8	42.	o.v. KS
8	40.	44	29.865	40.3 39.	SW	196	45.6	34	o.v. CS. KS
9	50	47	29.422	50.3 50.2	SWNW	191	52.	40	o.m. Rain
10	38.2	44.2	29.562	38.2 37.6	SW	211.4	52	37	lightning at 7 30
11	32.8	42	29.752	33 32.4	SW	156.6	42.5	32.5	o.v. CK
12	42-	41.6	29.528	42. 41.6	SSW	241.6	44.1	32	o.r. murky
13	35.5	41-	29.842	35.7 34.9	SW	173.8	46	35-	o.v. CS
14	42.2	43.1	29.927	42.2 41.5	SW	285	47.1	35.2	o.v. KC. Meteor at 10 - Zenith Aurora
15	50	47.1	29.724	50.5 48.3	SW	326	52	42	o.v. KS Aurora behind clouds
16	39.2	45.5	29.932	39.5 39.5	NW	40-0	52	39	o.g. r
17	40	42	30.036	40 39.2	SWWS	101	42.6	39	o.v. KS
18	49.4	48	29.504	49 48.6	WWS	368.2	53-	39	o.v. g. Scud very light sky, a wild night
19	40	42.8	29.490	40.2 38.2	WN	329	51.8	39.5	o.v. g. Scud & slight Aurora diff
20	38-8	41-	29.931	38.8 38	N	221.9	45	33.5	o.g. q. r - slight Aurora circumscribed NW
21	37.8	40.5	30.110	38.2 36.2	NW	128.0	43	36	o.v. black thin K? slight Aur ^a all round 3rd
22	48.8	43	29.924	49.2 48	WNW	64.0	51.	37	o.gloomy
23	44.7	44.8	30.050	44.9 44.5	W	90.5	51.2	45	o.g. KS very black piers very wet
24	44.8	45.5	29.855	44.5 43.4	WSW	216	50	42	o.v. KS intense Aurora
25	46.3	45	29.900	46.7 44.3	SWWS	338.5	48.2	38.5	o.g. KS traces of Aurora
26	37-	43.3	30.118	37.5 36.8	SW	103.4	43.5	37	o.v. - KS. slight Aurora. stars dim
27	49.	47-	29.731	49.3 47.5	SW	333.5	51.2	37.5	o.v. K faint moonlight
28	47.2	47	29.232	47.5 46.4	S	214.2	50.3	42-	o.v. mizzle KS
29	38.9	44	29.087	38.5 37.1	SWNW	165.5	45.8	38	o.v. KS. CS faint Halo round D
30	34.4	44	29.676	34.5 32.5	SW	115.3	45.	35	o.v.
31	47.4	45.1	29.540	47.8 46.4	SW	293.8	49.3	46.4 31-	o.v. q. K
	43.08	44.55	29.602 66				48.58	38.84	
							48.61	38.95	

Sum = - $\frac{1}{45}$
 work = - $\frac{1}{180}$
 gen = - $\frac{1}{72}$

1862	10 A.M.			10 P.M.			Rain		Thermomete	
	E	A	Bar	E	A	Bar	Square in Lawn	Globe	Max	Min
Jan ^y	40.67	38.52	29.518	41.17	41.65	29.490	4.670	5.758	52.0 - 9.31	27.0 - 1
Feb	42.15	42.90	29.551	40.31	42.70	29.837	0.949	1.269	52. - 4	26.5 - 10
March	42.23	42.27	29.446	40.31	43.50	29.441	3.025	3.701	52.8 - 11	25. - 4
April	50.20	48.32	29.726	44.86	48.62	29.747	2.761	3.466	58.2 - 30	29.5 - 13
May	55.35	53.63	29.637	48.75	53.68	29.653	4.286	3.550	66.8 - 31	39. - 3
June	56.08	54.86	29.608	50.00	55.31	29.637	3.417	3.599	70 - 4	44. - 10
July	59.24	58.92	29.617	51.91	57.36	29.611	3.989	4.550	67.5 - 24	44. - 11.30
August	59.65	58.13	29.721	54.27	59.36	29.740	2.425	2.176	68. - 27	45. - 13
Sept	57.26	56.20	29.819	52.14	52.30	29.829	1.704	1.817	64 - 25	43 - 14
October	49.93	50.30	29.547	46.74	51.31	29.538	4.765	5.904	65.3 - 3	34 - 29
Nov ^r	38.80	41.07	29.740	36.67	41.06	29.736	1.773	1.964	56.8 - 3	24.5 - 26
Dec ^r	43.37	43.86	29.693	43.08	44.55	29.682	3.309	4.361	53.5 - 5	31 - 31
Summ	56.22	55.32	29.657	50.60	54.87	29.667	20.586	21.596		
Winte	42.90	42.80	29.659	42.77	43.69	29.652	16.487	20.519		
Year	49.62	48.96	29.658	46.72	49.32	29.660	37.073	42.115		

	Rain Days	Mean								
		Ther	Bar							
Jan ^y	26	40.92	29.504							
Feb	12	41.23	29.844							
March	15	41.27	29.443							
April	20	47.53	29.736							
May	18	52.05	29.646							
June	21	53.04	29.622							
July	28	55.58	29.614							
Aug ^t	17	56.96	29.730							
Sept	18	54.70	29.724							
Oct	24	48.33	29.542							
Nov ^r	18	37.74	29.738							
Dec ^r	23	43.22	29.688							
	248									
	240									

Mean Temperature of Year = 48.17
 Max June 4th = 70.00
 Min Nov 26 = 24.50
 Mean Baromet^r = 29.659
 Max - Feb 9 A.M. = 30.475
 Min - January 24. A.M. = 28.554