1868		10 A.M.			Hygro	Anemo		Ombro			
January		E	A	Bar	dry / wet	Dir	Space	Squ	R		
☿	1	30.	37.	30.002	30.2 / 29.2	NW	48	—	—	o f GK K.	58
	2	34.7	38.	30.080	34.8 / 31.5	ENE.	98	—	0.015	o b? g f KS. the darkest morning	173
	3	34	36.5	30.147	34.1 / 32	NE	46	—	—	o f m. K.	87
	4	28.1	32.8	30.034	28.1 / 26.9	NW	11	—	—	o f KS. S	21
⊙	5	35.	36.	29.927	35.1 / 34.2	NW	44	—	—	o f KS	141
	6	35	37	29.948	35.1 / 34	N	74	trace	0.022	o v m K KS	131
	7	37.	37.5	29.002	37.1 / 36	NE b E	82	—	—	b v f m GK K	145
	8	37.7	37.5	29.991	37.5 / 36.7	NE b E	27	—	0.005	o v f g KS	74
	9	37.8	38	29.943	37.8 / 35.3	SE b S	72	—	—	o f very dark	140
	10	39	38.5	29.762	39 / 38	S b E	270	—	—	o m g dark	373
	11	44	40.5	29.402	43.9 / 43.5	S+W b S	280	—	0.176	o f	512
⊙	12	46.5	43.2	29.408	46.5 / 46.1	SW b S	214	0.115	0.191	b r f v h l very singular K in North. CK. CS. KS	365
	13	44.1	42.2	28.979	44.8 / 43.9	S *	128	0.374	0.449	o f KS. *before I left the room wind = N!	252
	14	51.5	47	28.976	51.6 / 50.6	SW	325	0.218	0.587	o v d	584
	15	39.5	41.	29.445	39.2 / 38.1	SW b W	273	0.114	0.213	b v r N. KN ground NSE [illegible]	585
	16	50.	45.5	29.499	50.3 / 48.9	S b SW	241	0.064	0.582	o v q KS	568
	17	45.4	46.2	29.270	45.6 / 43.7	S	315	—	0.013	b v m q G CK K. CS. KS	645
	18	46	43.7	28.398	46.2 / 44.7	S b SE	321	0.245	0.306	b v q KS GS K. CK. K C. Bar heavy. lightning at 11½ P.M.	557
⊙	19	40.6	42.4	28.698	40.6 / 39.8	W b SW	149	0.314	0.492	b v W b SW GK. K. KS Thunder [illegible]	470
	20	38.1	41.2	29.024	38.4 / 36.9	NE	170	—	0.003	o v m KS GK	217
	21	35.5	39.5	29.421	35 / 34.9	SW	54	0.032	0.058	b r m G CS	107
	22	34	38.8	29.091	34.1 / 32.9	NNE	136	trace	trace	o v m KS. CS [illegible] in the [illegible]	213
	23	34.2	36.7	29.665	33.9 / 31.8	NW b N	23	—	—	b v m GS K GK Bar heaves	70
	24	40.4	39	29.374	40.6 / 38.7	S b E		[illegible]	0.257	r NS Bar heaving	
	25	41.6	42.8	29.319	41.7 / 40	W b N	232	0.582	0.633+	b v h q KS. (1.03 at 10 37) [illegible]	745
⊙	26	38	39.8	30.059	38.8 / 36.9	W b N	91	0.028	0.039	b v h G CS CK	261
	27	48.4	43	29.873	48.4 / 48.2	SW b W	105	0.209	0.402	r Thrushes singing	203
	28	46.1	45.2	29.794	46.5 / 45.1	W	123	0.070	0.152	b m r N KS	232
	29	40.8	41.	30.072	40.6 / 37.3	W b S	138	0.019	0.313	b v KS N	248
	30	47.1	47.	29.714	47.2 / 46	SW b S		—	—	o v g q d KS aurora behind clouds at 2 & 3 A.M.	450
	31	49.7	47.5	29.347	50 / 49	SSW	344	0.034	0.093	o g q v d KS	731
		40.22	40.70	29.537				2.608	4.604		
								2.688	3.599		

1868	10 PM.			Hygr.	Anemo.		Thermo.		
January	E	A	Bar	dry / wet	Dir.	Sp.	Max	Min	
1	34.4	36.9	29.988	34.5 / 32.	SE	75	37.4	29.3	o. g.
2	31.7	36.1	30.125	31.8 / 31.3	NW	41	38.	30.7	o. V. KS.
3	26.8	35.1	30.110	26.4 / 25.4	N	10	37.1	27.5	b_{10}. V.
4	34.5	35.5	29.938	34.9 / 33.4	N.	97	37.3	23.6	o. V KS.
5	37.3	36.2	29.927	37.7 / 36.3	E.NE	87	40.	38.0	o v r KS min = 31
6	37.6	37.3	29.883	37.9 / 36	NNE	63	40.2	33.8	o. V. K. KS.
7	33.9	37.5	29.952	34.1 / 33.5	ESE	47	40.9	33.9	o. m. K. KS.
8	37.3	38.	29.969	37.6 / 35.7	E	68	40.2	33.9	o. V. m. KS.
9	37.5	38.1	29.878	37.2 / 36.2	SEbS	103	40 3	36.9	o. V. KS.
10	39.2	39.2	29.505	39.7 / 38.3	SSE	232	42.	37.5	o. V. q. r KS.
11	40.8	41.4	29.529	41 / 40.5	SW.	154	48.7	39.5	b_4. V. K. KS. CK.
12	38.5	42.1	29.365	38 / 37.6	SE	124	47.6	38.7	b_1. V. m. CS. S. K. double halo round ☽ a meteor seen SE at 4.30 PM by Sumi
13	41.2	41.6	29.350	41.8 / 40.1	S	259	47.1	37.8	o V. q. KS. KN
14	42.6	44.3	29.054	43. / 41.4	SW	312	54.	41.4	b_1 V. g. q. K. KS. lightning in NE horizon
15	38.	42.1	29.775	38. / 36.7	SW	227	45.9	37.6	b_9. g. K. in N. horizon
16	50.	47.7	29.291	50. / 47.8	S	331	55.2	37.5	b_5. V. K. in horizon.
17	39.2	43.5	29.295	39.4 / 37.9	SW	236	52.8	39.1	b_1. V. q. CK. at 9½ PM. lightning in NE. horr
18	38 4	42.3	28.550	38.3 / 36.9	SW	321	49.1	38.7	$7b_1$ V → K. heaving (also 29 = 28.164 / 28.158)
19	37 8	43.	28.865	37.9 / 37.4	NbE	47	48.4	37.4	$7b_1$ V. CK. c. CS. K.
20	36.4	41.1	29.294	36.6 / 36.1	N	58	44.4	35.3	o. ^{4} g. f.
21	34.	40.3	29.083	34.3 / 32.6	NE	77	41.6	33.0	b_8. V. K in N. CS
22	29.7	37.6	29.300	29. / 29.	NWbW	55	39.4	30.4	b_8 V. scattered Ks. CK.
23	35.6	38.2	29.880	35.8 / 35.8	SSE	94	40.6	28.5	b_1 g. q. K. KS.
24	39.8	40.8	29.061	39.3 / 38.7	SWbW	433	49.0	36.4	b_{10} V. high wind.
25	39.1	40.8	29.700	39.2 / 36.6	WbN	190	45.1	35.6	b_1. V. KS.
26	41.1	42.	30.052	41.1 / 41	SW	98	45.5	33.5	o V. g KS
27	48.	44.5	29.850	48.5 / 48.4	SW	129	51.6	41.6	o. d. remarkable lightsomeness to SW & W
28	35.3	41.7	29.905	35.3 / 33.4	W	110	50.7	34.9	b_8 V. KS in SSE.
29	38.5	41.5	30.005	38.6 / 37.2	SW		44.4	34.9	b_1. V. d K. N. KS. aurora behind (slight halo round ☉ at 3 PM.) clouds.
30	49.	46.4	29.523	49.4 / 48.2	SW	387	51.8	38.6	o. g. q.
31	49.	48.6	28.925	49.1 / 48.5	SW	435	52.7	48.7	o. g q.
	38.46	40.69	29.575				44.68	34.82	
							45.0	35.4	

Bar. on 24th:
0h 25m = 29.704
1. 5 = .136
2. 5 = .077
3. 30 = .130

1868	10 A.M.			Hygro	Anemo		Ozone			
February	E	A	Bar	Dry / Wet	Dir	Space	1p Squ.	R		
☿ 1	45.4	45.5	28.613	45.7 / 46.	WSW	396	0.488	1.433	o v q d	KS. K 139 33 064 831
⊙ 2.	37.6	40.2	29.536	37.2 / 35.9	SW	209	0.241	0.432	o v	BS KS halo 500
3	38.2	42 -	29.545	35. / 34.1	W.S.W	199	0.085	0.110	g v	KS. K light snow 398
4	43.8	40.	29.864	44 / 41.5	W S W	267	0 138	0 241	o v g	BS K 8 (thunder) 456
5	45.6	45.	29.607	45.6 / 44.7	SW	390	0 037	0 063	o m g. d	BS. KS dark Barhead 598
6	41.9	42.2	30.082	41.8 / 39.7	SW	153	0.146	0.310	½ v? m	BK K 450
7	45.3	44 8	29 435	45.4 / 43.7	S S W	242	0.044	0.061	⅔ v q	K. KS 369
8	38.	41.	29.854	37.5 / 34.1	N	89	0. 037	0. 061	½ v h	269.
⊙ 9	39.1	40	30.162	39 / 38.1	SSW	136	0.030	0.042	o v? g q d	BS 309
10	47.1	45	30.244	48. / 46.	WSW	202	0.014	0.029	o v g	K 445
11	42.7	44.2	30.377	42.8 / 39.9	W	77	0.029	0.035	½ v	K 176
12	42.6	43	30 301	42.5 / 40	SSW	89	—	—	o v? m	BS. BK K 149
13	45.6	43.8	29.983	45.6 / 43 8	S W	141	—	—	o v m q	KS 292
14	48.1	45.8	29.654	48.6 / 45.9	SSW	273	—	—	o v m q	KS 450
15	39.	44.	29.922	39 / 37.8	W	98	0.082	0 133	½ v	KS & K 350
⊙ 16	41.5	40.7	30.065	41.7 / 38.5	S	200	0.011	0.021	o. v.	S. KS. 330.
17	42.8	45.	29.920	42.4 / 41.4	SW	225	0.170	0.302	½ v.	KS. S. CS. 536
18	42.4	42.1	29.700	42.2 / 40.6	S	208	—	—	o. v. g.	S. CS. 331
19	46.5	51.2	29.811	41.8 / 37.5	NNbW	130	0.548	0.572	½ v.	CS. 313
20	44.9	42.5	29.409	45. / 41.1	SE	290	0.047	0.087	o? m. g.	heavy rain (at 10½ H) Barheaving 397
21	45.	44.8	29.612	44.8 / 43.1	SEbS	164	0.271	0.455	½ v. CK. K	546
22	40.4	42.1	29.343	40.8 / 38.8	SW	324	0.053	0.100	o. v. g.	K. KS. R. 574
⊙ 23	42.7	41.2	30.120	42.8 / 40 1	SW	102	0.026	0 100	o. v. m	CS. KS 399.
☽R 24	50 7	46.	29.940	51.2 / 49 5	WbS	200	— —	0 038	o. v. g. KS	441
- 25	53.3	48.2	30 132	54 / 51.1	WSW	176	haze	0.034	o. v. m. KS	Aurora at 12. 30 359
- 26	49.6	48.	29.973	51.2 / 48.2	SW	200	— —	—	o. v. KS	371
- 27	50.2	48.8	29,607	51 / 48.2	SW	281	— —	0.015	o. v. g. KS	507
- 28	46 4	47.	29.400	46.7 / 46	SSW	64	0.320	0.376	o. v. r. m KS	353
- 29	43.1	44.2	29.091	45.5 / 42.5	SSW	172	0,128	0.172	o. v. m. r. KS	340
			22292 1510 9							
	43.71	44 07	29.765				2.952	5.217		11892

1868	10 PM			Hygro	Anemo		Thermo		
February	E	A	Bar	Dry / Wet	Dir:	Space	Max	Min	
1	36.4	43.1	29.275	36.4 / 35.5	WbS	291	52.1	36.6	b_1. V. cs. KS.
2	38.1	41 -	29.238	38.2 / 37.5	SW	199	42.5	33.5	o v q KS
3	31.1	38.	29.941	31.1 / 30.5	SW	189	42.1	31.5	b_{10}. V heavy snow showers during the day
4	43.7	42.3	29.937	43.9 / 42.4	SW	208	49.2	31.5	o. V. KS. cs.
5	40.7	42.2	29.840	41.1 / 38.2	WbS	297	49.6	40.1	o. V. q. KS. at 1 PM. Lightning in SW.
6	41.	43.	29.864	41.5 / 38.9	S	127	46.9	39.1	o. V. m. KS. K. slight halo round D
7	39.	43.5	29.348	39.2 / 37.8	WSW	180	50.2	39.6	b_1. V. KS. K.
8	33.4	40.6	30.135	33.6 / 32.3	SSW	193	43.1	33.3	o. V. m. KS. cs.
9	47.1	43.2	30.156	47.6 / 46.9	SbW	243	49.2	31.—	o. V. KS blowing sleet & snow
10	45.8	45.3	30.223	46.1 / 45.2	NW	199	55.8	46.1	o. V KS.
11	36.	44.4	30.428	36. / 35.3	WSW	60	49.7	37.3	b_8. V. K.
12	42.5	44.8	30.115	42.6 / 40.9	SW	151	49.2	36.8	o. q.
13	45.	45.4	29.880	45.5 / 44.5	SW	177	50.6	40.3	o. q.
14	42.4	44.2	29.641	42.9 / 42.1	NW	242	51.7	42.6	o. q..
15	34.4	42.1	30.183	34.3 / 33.	SW	130	45.5	34.8	b_7. m. S.
16	41.5	43.3	29.855	41.8 / 39.1	SbW	311	48.2	34.3	o. V. S. KS.
17	37.8	44.3	29.973	37.8 / 36.9	SbE	123	49.4	38.4	b_7. V. S.
18	39.8	43.1	29.413	39.9 / 39.7	NbW	183	47.2	37.5	b_7 o. q.. heavy rain.
19	36.	42.1	29.841	36.1 / 35.	SbW	107	47.9	36.5	b_9. V KS in N. (at 10½ AM)
20	47.2	46.5	29.282	47.5 / 44.	WbS	382	51.9	36.5	o. m. q K. KS.
21	46.3	46.4	29.390	46.5 / 45.3	SEbE	250	52.7	39.9	o. q. r. KS.
22	39.7	42.7	29.911	40.8 / 35.6	WNW	288	49.2	33.7	b_3. V. q. KS. K. Auroral light round horizon.
23	47.	45 5	29 934	47.1 / 46.2	SW	241	51.0	34.5	o q q d KS?
24	50.7	47.3	29.971	50.4 / 49.4	WbS½S	183	54.0	47.4	o. q. q.
25	49 4	48 2	30 080	49.1 / 48.2	WbS	171	57 5	48	q.
26	48 8	49.	29.782	49.2 / 48.3	SW	226	57.0	46.5	o q. q.
27	47.6	48.8	29.488	48.2 / 46.7	SW	259	53.8	47.7	o. q. q. KS.
28	42.3	47.1	29.323	42.7 / 41.7	SW	168	51.5	41.2	o. v. q. KS
29	35.	42.8	29.282	34.9 / 33.9	WbS	123	45.5	35.2	b_6. V. KS,
	41.58	44.14	29.784				49.45	37.93	
							49.8	38.5	

1868	10 AM			Hygro	Anemo.		Ombro			
March	E	A	B	Dry / wet	Space	Space	Sq	R		
⊙ 1	40.7	41.6	29.595	41 / 38.9	SW	149	0.005	0.024	o v m KS	272
2	48.7	45	29.832	49.5 / 46.7	W b N	192	0.226	0.120	o. v. q. KS	416
3	50.4	47.5	29.936	50.7 / 50	S W	177	0.111	0.159	o. v. q. m. KS	376
4	50.6	46.5	29.613	51.1 / 49	SSW	226	0.140	0.257	o v m q [illegible]	495
5	43.1	46.8	29.412	53.1 / 50.7	W	188	0.441	0.787	b v K . bo	501
6	43.1	44.2	29.545	47 / 40.7	W ½ S	165	0.086	0.123	b v K S	346
7	43.7	43.6	29.334	43.8 / 42.8	S S W	130	0.010	0.017	o h y K [illegible]	266
⊙ 8	37.5	41.4	28.981	37.4 / 34.1	W ½ S	158	0.212	0.332	b v K S . b Ne DE Snow a ngt	380
9	39.5	40.5	29.178	39.9 / 37.7	S ½ E	134	0.006	0.028	b v m b [illegible]	359
10	44.1	44 -	29.098	44.1 / 41.1	S W	149	0.027	0.033	b v r K	376
11	46.2	45	28.600	46.2 / 46.1	S S W	264	0.450	1.502	o m r K [illegible]	476
12	47.1	43.2	29.148	47.7 / 44	S W	211	0.280	0.330	b v q K b S E	331
13	54.9	50.5	29.416	55.6 / 51.8	S	321	0.088	0.138	o v q K J Rathiar?	591
14	47.1	46.6	29.520	45.5 / 43.1	S S W	266	0.722	0.215	b v q K [illegible]	655
⊙ 15	47.6	45.6	29.776	48 / 44.8	S b E	275	-	0.012	o v q K [illegible] B J Rathiar	417
16	52	49.	29.473	52.7 / 51	S W	309	0.048	0.058	o v q K J	520
17	39.8	44.5	29.699	40.2 / 38.2	W b N	153	0.234	0.294	o v? m r K J . N	338
18	45.0	43.2	30.058	46.1 / 43.2	S W ½ S	88	0.031	0.021	[illegible] K J	212
WR 19	44.	43.7	29.670	44.4 / 40.	W b S	101	0.070	0.093	b. v. cs. K.	310
20	48.9	46.5	29.606	49.3 / 47.5	W ½ N	153	0.015	0.032	o v d K J	260
21	50.4	47.2	29.762	51.1 / 45.2	S W	134	—	—	o m v K J	270
⊙ 22	42.2	48.8	29 606	42. / 41.8	N b W	149	0 243	0.325	o r K S .	391
23	34.	43	29.592	38.8 / 32.4	W b N	190	0.469	0.636	o v? h K S . K S N hard snow	295
24	39.8	42.	29.848	39.7 / 35.8	W b S	40	0 033	0 042	o v h K [illegible]	192
25	41 -	41.8	29 800	41.1 / 40.7	S S W	64	0 085	0 104	o h r N J	178
26	50 7	45.7	29 825	50 / 49.3	W	171	0. 12-	0 178	o V K J	331
27	49.2	45.8	30. 134	49.0 / 45	W N W	61	—	—	o r K J	221
28	52.8	47.6	30. 364	52.8 / 49	W	42.	—	—	o m b K	161
⊙ 29	50	47.8	30.360	50.1 / 47.1	W N	14	—	—	b m [illegible]	80
30	53.6	49.	30. 324	53.3 / 48.3	S W	12			o r h b K	111
31	52.7	50.	30. 142	53.7 / 49.4	S W b W	66	—	—	b v h K [illegible]	147
	46.18	45.40	29.664				3.562	5.067		

1868	10 PM			Hygro	Anemo		Thermo		
March	E	it	Bar	Dry / Wet	Dir	Spee	Max	Min	
1	45.	44.1	29.635	45.2 / 44.4	WbN	224	49.	33.5	o. V. r. KS.
2	47.3	46.4	29.965	47.8 / 47.4	SWbW	169	53.8	44.7	o. V. r. KS.
3	47.5	48.4	29.697	47.8 / 45.4	SW	269	53.4	47.8	o. V. g. KS. CS. R. in W.
4	48.3	48.7	29.417	48.1 / 48.1	WbS	343	55.	41.4	o. V. g. r KS. R.
5	38.1	45.3	29.398	38.1 / 36.3	W½S	18.8	50.8	38.5	b_1. V. CS. KS.
6	39.5	44.6	29.586	39.5 / 37.5	WbS	136	48.	36.7	b_8. V. CS. K.
7	38.	43.4	29.035	38.2 / 37.1	SbW	222	49.	37.0	o. V. CS. Thick — faint Halo.
8	35.	42.	29.397	34.7 / 33.1	WSW	225	42.7	32.4	b_7. V. CS. KS ?
9	42.4	43.1	29.000	42.6 / 40.6	SE	227	47.2	33.4	o. V. g CS. KS.
10	41.9	44.	29.000	42.1 / 40.1	S	212.	51.4	38.5	o. V. CS. KS. Halo round D
11	38.4	44.1	28.749	39. / 38.1	SW	120	50.2	38.4	o. g. r.
12	48.7	46.2	29.263	48.1 / 48.4	SSW	270	51.4	38.4	o. g. g.
13	44.1	49.1	29.460	44.6 / 43.6	SW	339	57.4	44.7	o. g. d.
14	40.7	47.	29.925	40.7 / 39.	SbW	142	52.	40.1	b_{10}. V
15	46.	47.8	29.670	46.5 / 44.6	SbW	211	53.7	38.8	o. g.
16	42.1	47.7	29.475	42.4 / 41.1	WSW	186	55.4	42.4	o. g. KS ?
17	36.9	44.1	30.064	36.6 / 35.6	W½N	124	48.1	36.6	b_{10}. V. faint Aurora.
18	42.2	44.7	29.637	42.5 / 41.6	SW	209	50.1	34.7	o. g. r.
19	42.2	46.2	29.668	42.4 / 41.4	SW	105	50.2	36.7	o. g.
20	46.7	46.8	29.715	43. / 45.4	WSW	136	52.5	42.1	b_4. V. KS. aurora behind clouds.
21	49.	49.5	29.707	49.7½ / 48.	SW	242	58.5	46.7	o. g. g.
22	35.	44.3	29.623	35. / 34.6	WbS	105	51.9	35.9	o. g. r.
23	34.4	42.2	29.727	37.4 / 34.4	WbN	162	43.	33.8	b_9. V. KS round horizon — + Hyg^r. {34. / 32.}
24	37.8	42.	29.834	37.9 / 34.9	S½E	83	46.	31.0	o. g
25	48.5	44.2	29.749	48.7 / 47.7	W	168	51.4	36.4	b_2. V. g. KS. CS.
26	46.	47.1	29.956	46.2 / 43.8	W	170	57.	46.4	b_8. V. KS.
27	49.4	48.1	30.257	49.5 / 48.	NWbN	119	57.9	44.9	o. g.
28	48.	49.2	30.396	45.4 / 47.6	N½W	26	58.	41.4	o. g.
29	4[illegible]	51.1	30.[illegible]	[illegible]	S	106	57.4	31.5	b_{10}. V. m.
30	47.5	50.2	30.295	48.1 / 46.1	WSW	88	57.2	43.6	o. V. CK. KS.
31	43.	50.2	30.250	43.1 / 42.4	NW	88	58.1	44.2	b_{10}. V. m.
	43.12	46.19	29.673				51.90	38.92	
							52.2	39.1	

1868	10 A.M.			Hygro	Anemo		Ombro		
April	E	A	Bar	Dir	Spec	Sqe	R		
1	52.1	48.5	30.248	S	25	—		6 v m	80
2	54.1	49.6	30.207	S	26	—	—	6 m	87
3	53.2	53.1	30.021	SSW	61	—	—	6	184
4	52 2	51	29 864	SSW	84	—	—	6 K	250
5	54 1	51	29 748	SW	134	—	—	6 v m	268
6	53	51.3	29 768	SWbW	126	0.011	0.023	6 v m	323
7	52.7	52.5	29.421	SW	110	0.141	0.154	0 v m	215
8	44.8	47 -	29 568	NE	165	0.602	0.603	0 v	197
9	41.8	45 -	29 883	NbW	80	—	—	6 v	236
10	44.3	43.9	29.900	SWbW	33	—	—	6 v	99
11	48.4	45.5	29.840	S	120	—	—	6 v k m	220
12	53.4	47	29.791	S	134	—	—	6 v m	230
13	49.2	47.6	29.921	SW	20	—	—	6 v k	26
14	56.1	49 5	30.026	SW	32	—	—	6 v k	86
15	54.5	51 2	30.153	SW	113	—	—	0 K	213
16	58	52.5	30.141	WSW	97	—	—	6 v	163
17	49.9	53 —	29.88	NWbW	58	0.010	0.000	0 v	124
18	52	51 —	29.612	SE	76	—	—	6 v m	143
19	49.8	51.2	28.928	SEbE	188	0.276	0.314	6 v r	388
20	48.2	50.9	28.722	NW	45	0.235	0.229	0 v r	137
21	49 1	49.2	28.916	SWbW	240	0.372	0.463	0 v r	397
22	50.4	49.2	29 281	SSE	149	0 062	0.110	0 v m	410
23	53.6	49.4	29 389	SW	74	0.271	0.376	6 v	121
24	51.5	50	29.460	NE	37	0 843	0 336	6 v	115
25	9	49	29.807	WbN	49	—	—	6 v	137
26	55 8	51	29 934	SW	69	—	—	6 v	107
27	55 —	52	29.644	SbW	128	0.040	0.069	6 v m	278
28	48.2	49.3	29.604	SSE	148	0.083	0.111	0 v r	291
29	56.3	53.5	29 750	WbS	249	0.062	0 101	6 v	534
30	52.6	50.9	29.816	WSW	187	0.020		6 N	461
	50.07	49.52	29.707			2.535	2.798		

1868	10 P.M.			Hygro	Anemo		Thermo		
April	E	A	Bar	dry / wet	Dir:	Sp:	Max	Min	
1	45.	57.4	30.243	45. / 42.5	N b E	61	59.3	39.8	b_{10}. v. h.
2	44.8	52.7	30.125	44.7 / 41.1	SW	23	59.1	41.8	b_{10} m
3	48.8	52.8	29.887	49.3 / 47.7	SW	116	59.2	42.6	o. v. cK. K.
4	47.6	52.2	29.832	48.3 / 45.3	SWbS	114	57.3	46.5	b_1. v. m. K. KS.
⊙ 5	49.3	52.3	29.731	49.5 / 47.8	W b N	197	56.3	44.9	b_7. v. h. K. CS. c. strong halo.
6	51.	53.1	29.611	51.5 / 50.3	S	105	60.	43.5	o. v. d KS. CK.
7	47.2	57.8	29.371	47.4 / 47.1	N	32	55.2	48.4	o v r KNS
8	39.6	46.1	29.725	39.8 / 36.4	N	156	50.2	38.7	o. v. K. aurora NW. behind clouds.
9	37.5	45.	29.917	37.2 / 35.9	NW	66	45.	35.0	b_4 v K CK
10	40.2	45.3	29.861	40.4 / 37.2	S b E	97.	51.7	33.7	b_3 v m CS. KS
11	43.4	47.1	29.800	43.8 / 40.4	S b E	149	53.1	39.2	o. g.
⊙ 12	43.8	48.6	29.830	44.2 / 42.5	S½E	6	55.7	42.2	b_1. v. g. KS.
13	44.	49.3	29.963	44.1 / 41.5	S½E	54	58.1	41.4	b_1 v? g KS aurora in NW
14	49.	50.6	30.105	49.5 / 47.	SWbS	100	60.6	37.9	o. g. KS.
15	52.	53.4	30.153	52.5 / 50.6	SW	92	63.7	49.4	o v d KS – aurora behind clouds
16	51.6	54.7	30.010	52.3 / 50.3	W	66	64.2	48.6	o v? KS [illegible]
17	42.5	52.1	29.778	43.4 / 41.6	NE	67	57.8	43.1	b_{10} v [illegible] 2.40 am
18	49.7	52.3	29.329	50.3 / 46.8	SE	200	55.5	40.5	o g
⊙ 19	46.1	50.9	28.657	46.9 / 45.5	E	92.	53.9	46.3	o. v. d KS. Aurora behind clouds.
20	46.5	50.5	28.828	47.1 / 45.	S by E	152	56.	45.1	o v r g
21	45.	49.4	29.271	45.2 / 43.7	SW	261	59.	44.3	b_9 v CK slight aurora
22	45.1	49.4	29.191	45.6 / 45.2	SW	65	53.2	42.7	o. g. d.
23	42.5	50.5	29.481	42.7 / 42.6	S	78	60.1	41.3	b_{10}. v.
24	43.2	50.	29.645	43.1 / 41.	NW	88	57.1	38.8	b_5 v CK. CS
25	44.7	52.1	29.900	45. / 44.4	W N W	38	60.8	39.8	b_8. v. m. CK. m slight aurora
⊙ 26	48.7	53.	29.865	49.2 / 46.5	SW	147	61.4	41.4	o v r KS. N halo at 5 PM
27	39.8	49	29.855	40.2 / 37.5	SW	143	57.2	40.4	b_8 v K. N? CK. splendid Aurora. arch &. (afterwards streamers from NE to SW)
28	46.5	51.1	29.657	46. / 45.3	W	285	60.0	38.5	o v r. K
29	51.	53.	29.633	51.5 / 48.1	Wbs	274	60.	42.7	o. v. q. K. KS.
30	52.2	52.5	29.775	52.8 / 51.2	SW	150.5	56	44.0	b_1 v q K. KS
	45.97	50.43	29.700				56.96	~~41.64~~	
							57.2	42.1	

Armagh Observatory Meteorological Record Book 1865-1880 One of the series of meterological record books kept at the Observatory since 1795. Note the reference to the Corncrake, Swallow and Beech leaves on 16 April.

1868	10 AM			Hygro	Anemo		Ombro			
May	E	A	Bar	Dry / Wet	Dir	Space	Sq	R		
☿ 1	50.8	53	29.849	50.9 / 50.8	W	207	c. 160	c 222	m r	357.5
2	55.7	53	29.909	56.7 / 51.6	S	50	0.037	0.060	o v	116
☉ 3	53.1	53	29.757	54.5 / 47.6	WbN	93	o trace	c 012	o v	228
4	49.9	51.2	29.950	50.3 / 43	N	32	—	—	b v	126
5	50.9	52	30.040	57.5 / 46.9	NE	88	—	—	2 v ? b	142
6	51.7	52.4	30.029	52.2 / 45.3	SE	113			b v ? b	245
7	58.3	54.5	29.781	59.3 / 52	SbW	47	—	—	o b g	112
8	52.9	53.4	29.822	53.1 / 52	SbW	156	0.079	0.074	o m r	272
9	58	53 8	29.631	58.3 / 51.9	WSW+W	62	c. 025	c 027	o v	149
☉ 10	56.8	55	29.646	57.6 / 53.7	NE b N	38			b v	77
11	56.5	57	29.804	58.6 / 53.5	SE	117	c 020	c. 023	b v q	202
" 12	60	56	29.832	60.7 / 52.8	SSW	123	c 014	c 016	b v q	356
13	56.8	56	29.704	58 / 53	S	109	c 037	c 047	o v q	195
14	59.9	55.6	30.061	57 / 52.8	SW	210			b v	440
15	53.5	54.2	29.922	54.5 / 51.0	SbW	60	c. 330	c. 313	o v	159
16	58.2	55.8	29.924	55.7 / 52	SW	87	c 004	c 003	b v	142
☉ 17	60.5	56	29.978	60.5 / 54.2	EbS	21	c 003	c. 005	o v	100
18	57.5	56	29.868	58.5 / 55.6	SE	65	—	—	o v m r	153
" 19	63.9	57.2	29.736	64.9 / 58.2	SbE	121	c. 157	c. 132	o v	210
20	60	57	29.768	61 / 52.5	S	139	c. 014	c 012	b v q	277
21	56.7	55.5	29.447	58 / 56.1	S	104	c. 225	c. 237	o m q	446
22	55.1	53 5	29.573	56.1 / 49.3	SEbE	33	c 142	c 143	o v	BK K night remarkable light 446
23	48.2	55	28.984	49.9 / 48	SWbW	157	c 285	c 283	o m r	KS N 339
☉ 24	57.1	53.5	29.160	55 / 52.4	S	177	c. 094	c. 107	b v q h	KS. N. BS 346
25	60.2	54.8	29.130	61.5 / 56.5	SbW	227	c 030	c 026	b v q	KS Bo 420
26	58.6	55	29.428	59.4 / 52.3	SbW	190	c 372	c. 194	b v q	KS BS Nihonja 425
27	56.6	56.2	29.723	57.2 / 52.2	WSW	114	c. 128	c. 117	b v.	KS. K. 273
28	62.3	57.1	29.705	63.1 / 55.5	SSE	115	c. 002	c 000	b v.	KS K. CS. 509
29	61.7	57.7	29.713	62.7 / 54.3	SSW	113	—	—	o v.	K. 309
30	57.4	55.5	29.777	58.8 / 49.8	SW	117	—	—	6 v	K. KS. CS 405
☉ 31	55.3	55.2	29.905	56.6 / 54.3	SW	45	—	—	o v.	KS. K. 123
	56.14	54.57	29.699				1.884	2.093		

1868	10 P.M.			Hygro	Anemo		Thermo		
May	E	A	Bar	Dry / wet	Dir	Spee	Max	Min	
1	49.5	53.	29.982	50. / 48.1	W½N	66	58	50.2	o.v C K K.S
2	50.1	53.3	29.733	50.7 / 49.1	S½W	155	59.8	48.0	b_3. v. KS. CK. C. Thunder & Lightning in S.E.
⊙ 3	41.5	51.1	29.898	41.1 / 39.1	NW	94	57.9	42.4	b_{10} v. thin haze round horizon
4	42.	52.	30.000	41.7 / 40.1	N	84	65.6	37.8	b_5. v. c. K.
5	45.2	52.4	30.089	45.3 / 43.	E	152	57.9	38.5	b_{10}. h or thin cs.
6	48.4	53.8	29.905	48.7 / 45.6	S	65	59.5	42.9	o. v. KS. CK. Slight shower fell 3 to 3.15 p.m.
7	53.	55.1	29.587	53.7 / 48.3	S	116	65.	48.4	o. v. KS,
8	47.	53.7	29.588	47.4 / 45.9	SWbS	87	61.1	48.5	b_{10}. v.
9	48.7	55.	29.643	48.9 / 47.1	NbE	44	62.	42.8	b_7. v. KS?
⊙ 10	51.2	56.3	29.640	52.1 / 50.2	NE	88	64.1	43.3	o. v. n
11	50.4	55.	29.377	50.9 / 49.	SSE	223	60.1	48.6	o. v. q. d. KS.
12	49.6	56.3	29.705	50.1 / 48.5	S½W	86	64.1	47.3	b_2. v. n. KS.
13	48.3	55.5	29.858	47.7 / 46.7	SW	230	65.1	48.7	b_{10}. v.
14	47.7	56.1	30.133	48.4 / 46.1	SW	99	65.	46.1	b_8. v. K. S. fine cirrus diffused
15	48.	55.9	29.941	48.3 / 46.6	WbS	45	63.6	48.3	b_5. v. KS. C.
16	49.3	56.5	29.950	49.1 / 48.6	WbS	79	63.3	43.9	b_9. v. s. round horizon
⊙ 17	52.5	57.5	29.908	52.5 / 47.7	SE	98	66.5	44.2	o. v. KS uniform.
18	55.1	56.5	29.714	55.4 / 50.	N	89	60.8	51.1	o. v. KS. Distant thunder & lightning in afternoon - towards N.
19	54.3	56.	29.700	55. / 53.3	SE	145	68.6	53.8	o. v. KS.
20	50.	56.1	29.589	50.6 / 50.	SW	347	63.8	50.0	o. v. cs. KS.
21	45.4	55.	29.634	49 / 44.	NW	83	61.9	46.4	b_{10}. m.
22	49.7	54.3	29.223	50.2 / 48.5	SbE	182	60.	41.5	o. v. cs. KS.
23	47.	52.5	29.175	47.2 / 44.8	S	169	57.5	46.4	b_6. V. cs. KS
⊙ 24	48.1	53.	29.136	48.2 / 46.2	S	193	62.	46.0	b v
25	51.4	55.	29.413	52.1 / 49.7	SSW	235	62.	48.0	b_1. V. KS. cs.
26	50.1	55.6	29.600	50.5 / 48.5	SW	224	63.6	48.5	b_3. V. KS. cs.
27	52.	56.6	29.900	52.8 / 50.1	SWbW	138	65.1	47.9	b_1. V. KS. S. cs.
28	54.2	56.3	29.845	54.8 / 50.	S	196	68.	50.1	b_5. V. KS. S. cs. c.
29	52.7	57.6	29.704	53.4 / 50.4	SWbW	131	66.2	52.8	o. v. KS. K.
30	48.6	57.4	29.896	49.1 / 47.5	WbN	70	63.7	46.8	b_5. V. K. CK. C.
⊙ 31	53.4	57.	29.805	53.8 / 48.9	SEbS	105	61.9	46.8	b_1. V. K. KS.
	49.29	54.93	29.718				62.03	46.23	
							62.4	46.6	

1868	10 AM			Hygro	Anemo		Ombro				
June	E	A	Bar	W	Dir		S	R			
1	62.5	56.1	29.725	63.4 / 54.8	SSE	105	—	—	b_5. v.	K. CK	210
2	57.	56.2	29.747	57.8 / 51.0	SSW	57	0.046	0.047	b_2. v.	K. CK. KS. C.	145
3	58.5	56.2	29.801	59.8 / 51.4	SbW	80	0.023	0.030	o. v.	K. KS.	151
4	56.	56.	29.827	56.3 / 48.7	WbN	89	0.022	0.043	o. v.	K. KS.	315
5	61.4	56.1	29.950	62 / 53.1	SWbS	17	—	—	b_2. v. h	CK. C. K.	57
6	62.	59.2	29.837	62.7 / 56.	SW	87	—	—	b_1. v. g.	K. CK	189
⊙ 7	55.4	57.1	30.055	56.2 / 49.3	W	98	—	—	b_6. v.	K. CK.	190
8	56.2	55.5	30.097	58.2 / 52.8	W	54	—	—	b_4. v.	K. KS. (at 10.20)	156
9	56.	56.2	29.947	56.7 / 51	SWbW	118	—	0.006	o. v.	K. KS. (at 10.16)	188
10	56.3	58.8	29.945	57 / 51.2	SW	52	—	—	o. v.	K. KS. (at 10.20)	141
11	59.	57.1	30.055	60.7 / 53.5	WNW	52	0.011	0.010	b. v.	K. KS (at 10.16)	194
12	64.3	57.4	30.091	65.8 / 57.7	WSW	71	—	—	b_1. v.	CS. S. KS. (at 10.19)	116
13	59.7	59.2	30.021	61.1 / 57.1	SW	~~85~~	—	—	o. v.	KS. K.	170
⊙ 14	63.5	59.7	29.965	64.4 / 58.3	SbW	112	—	—	o. v.	K. KS	222
15	62.3	60.3	29.991	63.7 / 54.3	W	133	—	—	b_2. v.	K. CK. KS. (at 10h 22m)	357
16	61.4	59.8	30.005	62.3 / 58.1	SbE	67	—	0.010	o^2. h.	KS. S.	117
17	61.9	61.1	30.036	63.9 / 54.7	W	98	0.003	0.008	b_2. v.	K. KS.	280
18	63.7	60.	30.100	64.5 / 54.5	SE	57	—	—	b_6. v.	C. CS. S.	112
19	69.	62.4	30.027	69.5 / 66.8	ESE	46	—	—	b_6. v. h.	CS.	166
20	67.3	63.4	29.745	68.2 / 61.4	SSE	91	—	—	b_9. h. q.	K. CK.	173
⊙ 21	62.	62.1	29.627	63.4 / 60.	SEbS	230	—	—	o^7. d.	K. KS. R.	426
22	62.7	61.5	29.453	63.4 / 55.7	SSW	149	0.644	0.800	b_5. v.	K. CK	315
23	62.1	60.8	29.440	63.1 / 55.5	S	105	0.124	0.114	o_5. v.	K. CK (at 10.23)	207
24	58.8	60.2	29.783	61.1 / 51.1	WSW	87	0.020	0.026	o. v.	K.	207
25	58.3	59.8	29.923	59.1 / 51.8	W	126	0.022	0.022	b_5. v	K. CK (at 10.18)	196
26	63.1	59.4	30.203	63.8 / 55.2	WbS	70	—	—	b_5. v.	K. CK. KS. (at 10)	144
27	64.1	62.5	30.085	65.3 / 61.9	SWbS	124	—	—	o_5. v.	KS. S. (at 10.23)	206
⊙ 28	58.7	60.8	30.223	59.9 / 53.3	WbN	40	—	—	b_2. v.	K. CK. KS. C.	111
29	67.5	60.8	30.265	69.7 / 62.2	NbW	12	—	0.005	b_1. v.	K. KS (at 10 23)	75
30	64.	62.5	30.271	65.9 / 61.3	NbW	57	—	—	o. v.	KS. S.	100
	60.83	58.83	29.941				0.915	1.121			

1848	☿	P.M.		Hygro	Anemo:		Thermo:			
June	E	A	Bar	Evaporation	Dir	Space	Max.	Min.		
1	51.5	57.9	29.757	52.1 / 51.5	W	88	68.1	47.8	0. V.	K. KS. S. z
2	50.1	57.5	29.880	50.5 / 48.6	W	71	63.6	48.9	b_2. r.	K. CK. KS. z
3	53.	56.2	29.577	53.4 / 51.4	SWbW	226	61.3	44.9	o. r. g.	K. KS. z
4	50.5	57.4	29.927	51.1 / 47.8	NW	40	62.8	50.4	b_1. V.	K. KS. CK.
5	58.	60.3	29.862	58.6 / 55.6	SbW	102	68.6	49.0	b_1. r.	KS. S. CS.
6	49.	58.	30.055	49.6 / 45.4	WbS	92	67.	49.6	b_2. r.	KS. K. CK. S.
⊙ 7	45.3	56.1	30.123	45.2 / 42.3	WbN	102	61.	46.6	b_9. V.	S. (at 10.25 #m) z
8	50.2	56.3	30.057	50.7 / 47.7	W	70	64.	43.1	o. r.	KS. S.
9	49.8	57.	29.983	50.1 / 46.8	WbN	87	64.6	50.6	b_2. r.	KS. CK. C.
10	53.2	56.3	29.971	53.8 / 52.5	SW	142	60.1	47.7	o. r.	KS. S. (at 10.20 #m)
11	52.5	58.1	30.091	53.2 / 50.2	W	45	68.5	53.8	b_1. r.	S. CS. (at 10.22)
12	56.1	60.1	30.069	59. / 56.1	WSW	85	73.	56.3	b_2. r.	CS. KS.
13	52.4	61.1	30.023	54.7 / 52.9	SWbW	120	71.1	53.4	b_9. V.	S. CS.
⊙ 14	57.4	61.3	29.845	58.2 / 53.5	SW	~~197~~ 227	70.9	50.9	b_1. r. g.	K. KS.
15	52.	61.8	30.115	52.5 / 49.1	W	50	68.1	52.8	b_3. V.	K. CK.
16	58.5	61.3	29.961	59.3 / 55.	SW	182	70.	49.8	o. r.	KS. S.
17	52.3	62.4	30.128	52.3 / 49.8	N	55	67.5	54.3	b_9. V.	CS. in Nhorizon
18	60.7	64.	30.056	61.3 / 55.6	SSE	120	73.	49.6	b_6. V.	CS. S. C. diffused
19	59.9	64.9	29.923	60.2 / 53.2	E	82	74.3	52.6	b_9. r.	CS.
20	58.8	65.9	29.748	59.1 / 54.3	SSE	196	72.6	54.3	b_9. V.	CS. S. round horizon
⊙ 21	58.9	63.2	29.291	58.1 / 57.6	EbS	166	65.8	58.3	o. m.	r. K. KS.
22	53.0	60.4	29.431	53.7 / 51.4	S	102	68.2	51.8	o. r.	K. KS. S. z
23	54.3	61.	29.540	55. / 53.	SbW	120	66.2	53.0	b_2. r.	K. KS. CS. z
24	54.9	61.2	29.817	55.5 / 51.2	WbS	70	65.2	52.8	o. r.	K. KS.
25	50.8	60.1	30.127	51.1 / 47.6	W	74	63.8	51.6	b_5 V.	K. KS. CS. CK. z
26	58.3	62.9	30.135	59. / 55.2	SWbS	82	69.2	49.2	b_2. V	K. CK. S.
27	55.5	61.9	30.157	56. / 53.5	WbS	71	67.2	57.4	o. r.	K. KS. z
⊙ 28	57.	62.5	30.270	57.3 / 49.7	NbE	63	68.5	52.5	b_9. V.	KS. in N horizon.
29	60.	64.2	30.260	60.7 / 54.	NNW	43	75.	48.0	o. V.	KS. S
30	57.	65.1	30.293	57.4 / 56.5	N	60	75.	57.9	b_9. r.	S round horizon
	53.96	60.23	29.946				67.43	~~50.78~~		
							67.2	51.3		

1868	10 AM			Hygro	Anemo.		Ombro				
July	E	A	Bar	dry / wet	Dir	Space	Sq:	R:			
1	69.7	64.1	30.~~29~~.283	71. / 63.3	NW	19	0.003	0.004	b_8. V.	K. round horizon	79
2	73.4	65.8	30.161	74.9 / 46.	SW	29	——	——	b_3. V.	K. CK.	73
3	65.5	65.1	30.050	66.6 / 59.8	N	113	——	——	b_9. V.	CK. S. (at 10.20)	177
4	61.6	64.1	29.990	63.3 / 55.4	NbW	39	——	——	o. V.	KS. S (at 10.25)	115
⊙ 5	56.7	62.9	29.962	57.5 / 54.3	NNWbW	~~49~~ 54	——	——	o. V.	KS. K.	106
6	60.7	63.5	29.953	61.7 / 57.6	NWbW	30	0.005	0.004	o. V.	KS. K. N. (at 10.28)	85
7	67.7	64.1	29.889	69.1 / 61.6	SW	77	——	——	o. V.	KS. K.	127
8	64.4	64.7	29.909	65.6 / 61.8	SW	39	0.002	0.012	o. V.	KS. S (at 10.30)	187
9	58.9	63.2	30.141	60.2 / 53.2	NNWbW	35	——	——	o. V	K. CK.	78
10	61.5	61.6	30.117	63.4 / 57.5	NNE	62	——	——	o. V.	S. KS.	139
11	71.5	64.1	30.072	72.6 / 65.4	EbN	43	——	——	b_9. h.	CS.	103
⊙ 12	70.7	65.1	30.063	72. / 64.	NNE	30	——	——	o. h.	KS. CS. (at 10.23)	88
13	66.2	64.8	30.037	67. / 59.4	NE	72	——	——	b_9. V. h.	CS	157
14	72.5	65.2	29.954	73.8 / 64.5	N	27	——	——	b_{10} h.	CS. C	85
15	76.3	68.8	29.725	77.5 / 67.1	S	63	——	——	b_{14} V.	CS. CK.	121
16	63.8	68.	29.815	65.2 / 58.6	W	57	0.028	0.035	o. V.	KS. K. S. (at 10.27)	192
17	61.2	64.8	29.920	61.8 / 57.1	WbS	29	——	——	o. V.	K. KS.	55
18	63.4	64.4	29.755	64.7 / 60.	SbW	69	0.045?	0.026	o. V.	N. N. KS.	99
⊙ 19	66.1	63.1	29.882	67.3 / 60.2	WbS	60	0.030	0.045	o. V.	KS. S	150
20	68.1	64.7	29.759	69.5 / 65.9	SW	140	——	——	o. V.	KS. K	286
21	72.2	66.4	29.872	73.7 / 67.7	SWbW	138	——	——	b_5. V.	K. CK. S.	258
22	70.4	67.5	29.823	72.3 / 66.9	SWbS	83	——	——	b_{11}. V. h.	K. KS.	175
23	60.	62.	30.200	60.6 / 50.2	NbW	61	~~0.004~~	~~0.018~~	b_8. V.	K. CK	124
24	61.6	60.	30.347	62.3 / 54.7	NbW	9	——	——	b_9. V.	CK	97
25	66.3	62.1	30.210	66.8 / 58.	ENE	32	——	——	b_9 h.	S. CS. C.	71
⊙ 26	69.7	62.2	29.895	70.2 / 61.	ENE	9	——	——	b_7 h.	CK. C.	74
27	70.3	64.1	29.769	71. / 61.4	WSW	26	——	——	b_2. V.	KS. S. CS.	78
28	68.	66.2	29.301	70.1 / 62.6	ESE	135	0.005	0.013	b_1. h. q.	KS. S. CS.	167
29	58.2	62.5	29.497	59.5 / 56.7	WbN	110	0.721	0.930	o. V.	KS. K.	352
30	61.1	61.8	29.~~5~~61	63.3 / 58.6	SWbS	59	——	——	o. V.	KS. S (at 10.25)	125
31	61.8	61.4	30.040	63.2 / 62.4	WbS	87	0.044	0.061	b_5. V.	C. CK. KS.	212
	63.20	63.84	29.940				0.887	1.148			

Thickest in the night & early morng.

1868	10 PM			Hygro	Anemo		Thermo		
July	E	A	Bar	Dry wet	Dir:	Vel.	Max:	Min:	
1	60.1	67.	30.241	61. 59.1	SWbS	44	78.	56.9	b_8. V. S. CK.
2	57.8	67.3	30.110	58.7 57.7	N	64	80.2	59.1	o. m. KS.
3	55.	65.3	30.020	55.1 52.6	NbW	76	69.3	54.9	b_4. V. K.S. S. CK.
4	51.4	64.1	30.003	51.3 49.4	NbW	60	67.4	53.3	$b_4 b_9$. V. S in S horizon
5	55.1	63.5	29.983	55.8 52.6	NWbW	55	68.7	53.2	o. V. K. KS. S.
6	57.5	64.2	29.943	58. 56.1	W	50	70.5	56.5	o. V. KS. S. (at 10.17)
7	60.7	65.	29.848	60.7 59.	SW	148	70.1	57.3	o. V. K. KS.
8	56.5	64.6	30.067	57. 53.8	NWbW	43	71.7	58.5	b_1. V. K. KS. (at 10.25)
9	51.1	63.1	30.150	50.9 48.6	NbW	77	67.4	53.3	b_9. V. KS.S.
10	60.1	65.	30.105	61.1 58.4	ENE	70	70.5	52.7	o. V. h. K. CK.
11	61.6	67.	30.069	62.5 60.	SW	58	79.2	56.2	b_{10} m.
12	59.4	67.1	30.056	59.7 55.	NNE	85	77.5	56.5	b_9 V .. CS.
13	57.5	67.5	30.051	56. 56.8	E	58	77.	55.1	b_9. V. CS.
14	63.5	69.1	29.860	61.2 59.2	W	58	81.5	54.2	b_6. h. CS. S.
15	67.1	71.4	29.675	68.3 64.5	SbW	135	83.1	62.2	o. V. q. K. KS.
16	55.5	66.6	29.900	55.3 53.1	W	26	72.1	57.4	b_2. V. K. KS.
17	60.	66.1	29.865	60.7 56.1	SSW	30	70.2	54.2	o. V. S. KS.
18	55.5	64.5	29.821	55.8 53.5	WbN	90	67.2	53.3	b_2. V. KS. CK. K.
19	61.1	65.2	29.867	61.7 56.6	SW	146	70.5	52.6	b_3 V. KS. CK.
20	64.0	66.3	29.840	65.0 62.6	WSW	120	72.3	59.1	o. V. KS. K.
21	66.	68.	29.840	67.1 64.5	SWbW	92	81.	63.3	b_5. V. C. CS.
22	54.4	65.2	30.000	54.8 51.6	NbW	63	76.8	54.9	b_1. V. KS. S
23	49.5	62.5	30.326	49.1 47.2	N	88	65.7	50.0	b_9. V. S in N.
24	54.8	64.5	30.312	54.9 51.1	NEbE	39	71.7	46.8	b_4. V. S.
25	56.4	65.1	30.050	56.7 52.9	E SWbW	65	71.1	48.5	b_6. V. C. CS.
26	58.5	66.2	29.841	59.3 55.1	~~E SE~~	52	78.5	50.0	b_{10}. V.
27	61.2	67.	29.640	62. 59.7	ESE	32	77.6	53.2	o. V. KS. S.
28	53.5	60.8	29.081	54.2 52.2	SbW	244	71.	54.4	o. m. q. KS. K.
29	54.7	63.2	29.780	55.1 51.	WNW	66	67.2	53.6	o. V. KS. K.
30	56.3	62.9	29.850	57. 52.	WbS	125	71.2	51.1	b. V. q. KS. K.
31	53.	64.5	29.990	61.5 58.8	WbyS	188	76.2	69.0	b.z V KS
	57.45	66.52	29.941				72.70	58.22	
							73.3	55.3	

1868	10 AM			Hygro	Anemo-		Ombro:		
August	E	A	Bar	Dry / wet	Dir	Force	Sq	R	
1	72.8	69.7	30.009	70.1 / 63.4	S.W	62	0.009	0.011	6 v K. horizon
2	73.5	69.2	29.667	71.7 / 60.6	S	21	0	0	6 v 122
3	73.4	68.1	29.692	72.1 / 70.	S.E	108	0	0	0 0 C S 153
4	75.4	67.8	29.692	74.3 / 65.4	SS.E	34	0	0	0 V 125
5	68.7	69.2	29.554	70.3 / 64.4	SSW	74	0	0	6 K 163
6	64.9	67.4	29.493	66. / 62.6	SW6W	71	0	0.091	0 K 101
7	66.3	65.2	29.289	60.9 / 54.	S.WW	101	0	0.034	8 V. K. horizon 193
8	61.9	62.4	29.560	62.8 / 58.7	S.WW	260	0.158	0.129	6 vq KC 501
9	63.2	69.9	29.599	63.9 / 57.1	S.	84	0.075	0.051	4 v CS K horizon 194
10	62.9	64.4	29.701	68.1 / 60.	SSW	47	0.041	0.022	0 KS 133
11	65.6	65.1	29.362	55.8 / 55.7	NW	45	0.302	0.304	2 T. K. 188
12	60.1	61.6	29.364	64.4 / 56.2	N	73	0.000	0.460	2 T. K.S 226
13	57.7	61.	29.109	58 / 56	NE6E	61	0.930	0.950	2 T. K 165
14	61.8	62.9	29.371	62. / 56.2	SS.E	76	0.510	0.651	4 V. CS K horizon T. 144
15	64.9	64.4	29.570	61.6 / 59.5	E	82	0.040	0.100	2. V. Khorizon 250
16	67.4	64.2	29.685	68.8 / 60.9	NE	173	0.000	0.004	0 V. KS horizon 230
17	66.7	64.4	29.670	67.16 / 61.4	N.WW	35	0.000	0.000	0 CS 86
18	59.11	60.2	29.661	60.4 / 54.9	NNW	55	0.000	0.000	2. KS. 91
19	58.1	59.2	29.660	59.14 / 52.9	N	65	0.000	0.000	0 K. 134
20	60.8	56 6	29.833	60.9 / 55 —	SW6S	24	0	0	0 XS. Cal. K 83
21	59.5	59.	29.740	60. / 55.	SW6W	66	0	0	6 KS K 127
22	52.6	58.	29.098	52.9 / 52.8	NNW	144	0	0.240	0 m 144
23	54.1	57.	29.424	53 3 / 51.1	NW6W	70	0.094	0.082	6 v KS K 171
24	56	57.	29.561	56.6 / 57.2	W6S	90	0.142	0.136	6 v KS. Nimbus 178
25	57.7	56.	29.823	58.2 / 52.7	WNW	87	0.063	0.060	6 v. KS K — 169
26	57 7	58.	29.625	58.1 / 56.5	S6W	105	0.038	0.037	0 v? m. T KS 195
27	55.2	56.2	29.662	56.1 / 49 —	W6S	148	0.082	0.113	6 v KS K 334
28	56.9	56.	29.944	57.8 / 52.8	WSW	93	0.028	0.033	6 v. KS K 287
29	60.6	56	30.039	61.1 / 56 1	SW	60	—	—	0 v KS. C halo alg. SW 145
30	63.7	60.5	29.875	64 8 / 61 8	SW	117	043	046	0 v q T KS 206
31	60 1	57-	29.892	61 / 56.9	SW	80	036	028	0 v KS 6K 131
	62.05	61.86	29.617				2.585	3.582	

1868 10 PM

1868 August	10 PM E	A	Bar	Hygr Dry / wet	Anemo Dir.	Space	Thermo Mx	Mn	
1	53.7	65.3	29.699	64 / 61 / 62.9	S.W	101	75.2	57.0	8 v r in morning
2	62.2	60.	29.694	63.9	S.W	45	78..	63.3	0 V. S
3	66.1	66.9	29.699	67.2 / 64.1	S.E	101	77.9	58.9	2. CS
4	67.2	69.1	29.576	78. / 64.8	E	91	81.	61.0	0 ck
5	65.3	68.1	29.371	64.5 / 64.	W.S	100	73.2	60.9	0 CS - V. S horizon. r in afternoon
6	57.1	59.1	29.289	60.8 / 57.4	W	192	72.1	56.9	0 CS K. horizon
7	54.2	59.	29.199	55.2 / 23.5	S.SW	241	66.7	53.8	0 K.S. V r
8	53.3	61.2	29.680	50.49 / Aweary	S	98	67.	52.9	0 V stars K.S horizon p.
9	56.8	62.2	29.701	59.7 / 56.4	S	110	70.1	51.0	10. V stars S horizon p
10	57.6	64.8	29.499	57.7 / 56.6	S.W6.W	56	71.1	53.9	0 K No falling stars r in afternoon
11	53.5	59.2	29.258	53.2 / 52.9	SW	143	60.9	53.2	4 CS K horizon
12	53.1	59.2	29.341	53.6 / 53.8	NE	53	65.	52.9	0 K r r
13	59.	62.1	29.100	56.7 / 55.4	SSE	104	60.9	50.5	0 K r r E all day till 7 p.m.
14	62.5	59.9	29.400	52.8 / 51.4	E	168	62.	52.9	10 V stars C horizon
15	56.8	63.5	29.650	58.9 / 57.	E	57	67	51.2	0 V " CS " p.
16	59.2	61.1	29.678	62.2 / 57.3	S	51	73.6	53.2	0 V "
17	57.3	66.1	29.622	57.9 / 54.7	NNW	36	74.2	57.1	2 K.C S horizon
18	53.4	62.2	29.6[illegible]	53.1 / 49.9	NNW	69	63.5	51.9	8 V. C horizon N. K. horiz W
19	48.9	50.	29.611	49. / 48.2	N	49	63.2	50.0	0 V stars
20	52.2	60.5	29.800	52.8 / 50.8	SW	61	66.	44.5	6 v CS. bright Aur. high NNE 20°. streamers
21	55.1	60.5	29.550	55.6 / 53.5	SbW	cloudy front	66.	52.0	9 0 g
22	50	59	29.300	50 / 46	NW	101	67	50.0	6 V. KS
23	51.8	58.8	29.507	51.2 / 49.9	W	88	62	48.0	0 g..
24	47.1	56.5	29.692	47 / 46.1	WSW	82	62	48.0	6 V KS
25	53.4	58.	29.836	53.9 / 51.8	SW	90	63.5	47.0	6 V CS. KS
26	59.5	60	29 425	68 / 68	SW	186	63.5	53.0	6 V KS Hyg = {60 / 60 9
27	49.3	56	29 800	49.6 / 47.1	WSW	194	61.2	48.5	6 V KJ. K
28	52 7	57.5	30 086	52 2 / 51 2	W	76	62	49.0	3 V KS
29	60 9	60	29 989	61.2 / 60.4	SW	89	67.5	48.0	0 V KS
30	49.9	58	29 984	58. / 49.2	SW	54	65.5	52.0	6 V C. C CS. KS.
31	58.2	59.4	29 834	58.6 / 56.4	SW	146	65 2	49.0	3 0 V KS GS
	55.39	60.74	29.596				67.31	52.66	
							67.7	52.6 ✓	

1868	10 AM			Hygro	Anemo		Ombro				
Sept^r	E	A	Bar	dry wet	Dir	Space	Sq.	R			
1	61.2	59.	29.952	61.2 57 —	WSW	169	trace	0.015	o v	KS	315
2	63.8	59.6	30.059	64. 58.4	SSW	71	—	—	6 v	BS. K	125
3	65.	62.	29.878	65 62.6	SSW	231	0.012	0.011	3/6 v	KS-K (1/10 34')	282
4	69.	63.	29.850	70.2 64 0	SSW	106	0 —	—	6/2 v	K CK	151
5	64.	63.	29.988	64.7 60 —	SSW	120	—	—	o v h	KS (Rgt to 20') Rocks bare	290
6	70.5	65.2	29.891	71.5 64.9	SE	102	—	—	6/9 v h	K	198
7	60.1	67.	29.936	60.2 59.5	W6N	49	0.083	0.022	o r m	KS N Squ = 0.017	175
8	56.4	58.	30.209	56.9 58 —	NNW	25	0 070	0.073	6/5 v	K KS	57
9	57.3	57.8	30.270	57.6 51.9	ENE	16	—	—	6/2 v h	K (Visitation)	90
10	60.	57.	30.018	59.9 56.9	SW	17	—	—	6/2 v h	GK K	72
11	54.3	59.	29.960	54.8 54.1	NbW	28	0.109	0.126	o v ? m	K	53
12	54.7	57.	29.982	55.8 51.8	NE	132	0.228	0.229	o v q	KS	191
13	53.9	55.6	29.968	54.1 47.2	E	84	—	—	6/5 v	K KS	202
14	52.6	55.5	29.880	52.2 49.2	NE	54	—	—	6/5 v	K	135
15	54.	55	29.913	52 50.6	NE	94	—	—	o v g	KS	170
16	52.	54.5	29.817	53.2 49.1	NE	80	—	—	o v h	KS	170
17	55.9	54.5	29.589	57 — 52.5	E	52	—	—	o v q h	GK K	164
18	54.9	55.	29.529	55.7 50.8	NE	104	—	—	o v	KS	230
19	55 6	55.8	29.403	56.1 53 —	NE.½N	173	—	—	o v q g	KS	339
20	55.	55.8	29.368	56.1 53.2	NE	101	0.122	0.131	o v	KS	253
21	61.4	58.—	29.573	62.5 58 1	SE	126	0.111	0.126	6/2 v	KS	216
22	57	58.	29 713	58 2 55.1	NE	26	—	—	o v h	KS K	107
23	55.4	57.	29.593	56 — 52.9	NW	2	trace	0.004	6/2 v h	G. GS. K	28
24	57.9	58.	29.515	58.9 58	W6S	29	no rain in the gauge tho' there were showers yesterday & in the evening		6/2 v	KS K CS	46
25	54.	54.5	29.362	54.96 52	NE	38	0 005	0 012	o v h q?	KS	66
26	58.7	56-	29.376	58.9 53.7	SE	182	0.163	0.274	6/9 v	K	413
27	55.9	56.9	29.017	56 53.76	E	17	0.00	0.298	K.	K ? CS. ? W	71
28	53.6	55.3	29.049	53.9 52.2	SW	53	0.210	0.220	. v	S	191
29	56.4	56.8	28.687	57. 53.9	SSE	78	0.335	0.392	. g	K t. no C	130
30	56.4	56.1	28.968	57 1/2 53.8	NNE	137	0.213	0.194	. g	K P	231
	57.43	57.62	29.677				1.595	2.127			

1868	10 PM			Hygro	Anemo		Thermo		
Sept.	E	A	Bar	Dry / Wet	Dir	Space	Max	Min	
1	53.	60	30.021	53.1 / 52.3	W b S	54	66	53.0	6/10 v Thin Cs suddenly formed
2	57.8	62	29.912	55.1 / 55	S b W	51	64.5	54.0	6/8 v Xs Cs ..
3	55	62	29.920	55.3 / 54	NE b E	45	69.5	55.5	0/8 v Cx Xs
4	64.2	65.2	29.896	64.8 / 64.3	S b W	170	73	56.0	0 v Xs
5	64.	66.4	29.942	64.7 / 61 —	NW	96	73	58.0	6/10 v Cx Cx
6	64.	68 —	29.870	64.3 / 64.2	SW b S	126	78.2	62.0	6/10 v Cx Cs Xs Hyg 64.3 / 64.2
7	47.9	58 —	30.054	48 — / 47.3	NW	32	67.2	49.0	6/9 v Xs near horizon
8	46.5	58.8	30.255	47.5 / 47 —	N	74	61.2	40.0	0 v stars
9	48.4	60.6	30.146	48.1 / 48.1	E	55	62	44.5	6/10 h Stars dim / Cs ?
10	55	60.2	29.958	55.2 / 54 —	N N E	25	66.8	44.5	0 g
11	54.2	58.2	29.779	54.1 / 53.9	W	59	58.2	54.1	g r
12	47.7	57	29.989	47.6 / 45.1	N E	118	58.8	48.0	6/10 v g Xs
13	45	55.9	29.850	44.8 / 42.7	N E	81	59.2	44.1	v
14	50.2	55.8	29.872	50.6 / 47 —	N E	76	57.3	42.2	g. (A 8 79.2)
15	49.4	55.5	29.880	49.5 / 49.2	N E	90	54	48.0	0 g
16	44.9	52.	29.689	44.8 / 42.9	N E	82	56	44.0	6/10 h v Stars
17	49.2	54.5	29.551	49.4 / 48.2	N N E	126	61.	43.5	6/10 h g Stars not visible near horz. Din above
18	54.1	57	29.479	54.6 / 50.4	N E	166	60	48.5	0 g d g
19	51.7	55.8	29.436	54.2 / 51 —	N N E	131	57.2	53.0	6/10 v
20	56.2	57.8	29.466	56.3 / 55.4	E ½ S	90	63	53.0	6/10 v-g Xs. Y alone visible
21	52.8	58.7	29.521	53.7 / 53.7	N E	81 79	65.9	52.8	v. Cs few stars
22	54.1	58.5	29.678	54.6 / 53.2	N ½ E	26	64	53.0	0 gg
23	51.	58.5	29.500	51.1 / 50.3	W	17	63.2	48.1	v. S. stars lightening about 5.30 PM
24	49.9	57.5	29.513	49.4 / 49.2	N ½ E	28	61	51.0	9/9 v Xs in East horz Hyg 49.4 / 49.2
25	49.8	54.9	29.199	49.6 / 49.9	N E b N	231	57.2	42.9	g E ?
26	52.9	56.8	29.187	52.8 / 52.8	N E	54	62.	47.2	— Cx. ?
27	49.8	56.2	28.989	49.9 / 49.9	S W & W	82	59.1	50.6	— v Cs - Hazy moon. After b ste
28	54.2	57.1	28.890	54.8 / 52. / 53.1	S E	138	61.8	46.5	0 g Xs ??
29	51.8	56.9	28.587	51 / 48.9	S	52	60.9	51.2	0 g Cs ? all day
30	48.8	55.2	29.192	49.2	N E	94	62	43.5	0 0 Cs faint moonshine
	52.45	58.36	29.645				62.55	49.18	
							62.8	49.4 ✓	

1868	10 AM			Hygro	Anemo		Ombro			
October	E	A	Bar	Dry / wet	Dir	Space	Sq	R		
1	48.5	53.1	29.611	49.0 / 40.8	N	66	0.00	0.00	. q. v. C.	106
2	49.7	51.2	29.885	49.8 / 46.1	S.W	53	0.00	0.00	q K	95
3	50!	52.1	29.649	50.7 / 47.8	WNW / SE by E	49	0.00	0.00	q K Wind changed while at Anem: 65.	
4	49.	51.9	29.251	49.4 / 47.9	SW.	41	0.157	0.155	qf K NNE 9 a.m. W 10. a.m.	107
5	50.2	50.8	29.682	51. / 47.9	S	175	0.500	0.096	v CS	375
6	54.8	52.7	29.463	55.2 / 51.1	S.W	107	0.305	0.420	q K	259
7	50.3	50.	29.611	50.5 / 47.2	SSW	95	0.020	0.027	v	225
8	52.9	50.9	29.719	53.5 / 51.3	SW	18	0.022	0.025	q K	92
9	52.6	52.1	29.498	52.9 / 51.2	SSW	124	0.000	0.000	v K	186
10	47.3	50.8	29.797	51.5 / 50.4	NW	10	0.033	0.039	q f	50
⊙ 11	57.	54.	29.930	57.1 / 53.8	S b W	72	—	—	6/4 v. Bk. C	214.6
12	54.6	52.8	29.773	55 / 52.8	S b W	114	—	—	0 v? m KS	217
13	50.2	53.8	29.852	50.6 / 46.5	WWbN	52	0.141	0.142	2 v C	76
14	48.9	50.3	29.899	49.1 / 46.	SSW	27	0.000	0.00	0 v CS	51
15	53.4	57.2	29.410	54 / 49.7	SWbW	259	0.055	0 105	6/1 v q KS	421
16	46	60. ×	29.251	55.3 / 44.3	SWbW	147	0.306	0 328	6/3 v Kl. K. C × Sun hail shone on it / mirage NW	356
17	42.4	51.2 ×	29.310	42.3 / 40 —	SWbW	128	0.073	0.077	6/8 v GK	253
⊙ 18	40.6	45-	29.519	40.8 / 39.	SWbW	90	0.019	0.013	0 KS GS	247
# 10.15 19	44.2	44.	29.648	44.8 / 42.1	WNW	59	0 032	0.028	6/6 v KS. GS Rg. at 10.15	166
20	44.	44.	29.652	44.1 / 42.9	SbE	59	—	0 014	0 v° m KS GS	124
21	44.	48 ×	29.529	44.1 / 42.2	WbS	89	—	0.125	6/6 v K. GK between 2 & 3 AM diffused Mist one minute sharp light	251
22	45.8	46 —	29.813	45.8 / 43.1	SW	78	—	0.005	0. v.° h. CS. KS	159
23	44.8	53 —	29 583	44.8 / 41. ×	WSW	137	0.086	0.135	6/8 v. q K	301
24	53-1	47 —	28.826	53.2 / 52.9	SWbW	193	0.343	0.437	0 m r q KS N	360
⊙ 25	48.9	48. —	29.507	49.2 / 47.6	SW	104	0.014	0.028	0 v KS GS some aurora N of O —	371
26	45.8	48 —	29.628	46 / 43 —	SWbW	127	0.006	0.003	6/8 v q d KS	208
27	43.2	50. — ×	29.969	43.1 / 40 9	SWbW	187	0 020	0 022	6/6 v h K. C.	327
# 10.25 28	44.6	45.2	29.964	44.9 / 43.4	S½W	118	0 025	0 024	0 v? m q GK. (Rg at 10.25)	215
29	42.1	48.4	29.548	42.1 / 41.2	WbS	191	0 373	0.510	6/3 v q KS	468
30	47.3	46.	29.915	47.2 / 46.2	WSW	135	0.050	0.065	0 v? m d q K	312
31	53.6	49.2	29.803	54 / 53.1	SW	198	—	—	0 v q q KS Dif. leaves	382
	48.90	49.96	29.306				2.681	2.823		

1868	10 PM			Hygro	Anemo		Thermo		
October	E	A	Bar	Dry / wet	Dir	Speed	Max	Min	
1	38.2	52.1	29.711	38.0 / 37.5	SSW	40	54	39.8	v. Bright moon
2	47.9	52.8	29.729	48.1 / 45.7	S.W	42	56.9	37.0	c CS slight horizon
3	45.9	52.	29.310	45.4 / 45	S.W	16	54.8	45.9	q r
⊙ 4	41.9	58.9	29.584	41.9 / 42.	W	66	55.8	37.0	v moon & stars
5	49.4	51.7	29.348	49.9 / 48.9	SE	200	54.9	39.6	q r CS. moon between p.p.
6	42.	50.9	29.501	42. / 41.3	SW	150	57.8	41.9	v slight S. stars
7	45.4	50.9	29.652	45.7 / 44	SW	130	55.8	49.0	v horizon K
8	51.4	51.8	29.509	51.9 / 50.3	SSW	74	56.8	43.1	g q r
9	44.3	52.4	29.498	44 / 44	SW	62	60.2	44.0	v stars
10	53.6	52.7	29.800	53.8 / 52.9	SE b E	40	59.1	40.1	dark CS
⊙ 11	49.9	54.	29.837	49.9 / 48.9	S b W	107	60.6	51.1	6 h. S
12	51.2	54.1	29.717	51.2 /	SW	103	59.	46.8	9 2 r
13	42.2	52.4	29.873	42. / 41.6	NW	24	54.	43.2	0 v CS
14	51.6	53.6	29.700	52. / 49.8	S b W	169	55.	38.0	0 S q
15	44.2	52.	29.456	44.7 / 44.2	SW	209	56.	44.0	0 g
16	37.9	48.	29.231	37.5 / 37.5	SW	125	50	39.0	6 u KS low Aur^a arch of Streamers
17	35.2	45.	29.489	34.9 / 34.7	W b S	157	47.5	36.0	7 6 g h
⊙ 18	35.	43.6	29.478	34.2 / 34.2	SW	107	44.5	34.0	10 6 u KS. Aurora NW b N. hail & sleet 4 pm
19	35.1	44.5	29.816	35 / 35.1	SW	65	57	30.8	4 6 v KS. faint widely diff^d Aur. Stars dim
20	40	46.	29.459	40 / 40	SW	162	48	35.5	5 6 2 v KS aurora behind the clouds
21	40.3	45.9	29.470	40.8 / 39.9	SSW	81	50	32.2	4 r CS stars
22	46.8	47.	29.445	46.9 / 46.3	S	164	50	37.0	0 g q d
23	37.9	45	29.584	38 / 37.9	SW	167	50	37.0	0 g r aur^a behind clouds in N
24	46.	48.5	29.343	46.2 / 44.5	W ½ N	267	59	37.5	0 v CS KS (visible thro' cloud
⊙ 25	44	47.4	29.491	44.2 / 42.9	SW b W	81	62.5	43.5	0 v r KS
26	38.8	46.5	29.669	39.8 /	SW	140	49.2	38.3	1 2 v CS K at horizon partly visible
27	41.6	45.	29.985	41.1 / 41.1	W	97	51.	35.0	2 v c
28	47.9	47.5	29.383	47.9 / 47.8	WSW	277	52	47.5	0 v q KS
29	41	45	29.759	40.8 / 38.9	W b S	177	49.5	39.0	6 v KS CS
30	47.2	48	29.919	[illegible]	WSW	184	52	41.0	3 6 v q KS
31	55.	52	29.705	55.8 / 55	SW b S	212	57.5	47.0	1 0 v d KS
	44.13	49.59	29.585				53.41	~~40.50~~	
							53.9	40.2	

1868	10 A.M.			Hygro	Anemo		Ombro			
November	E	A	Bar	dry / wet	Dir:	Force	Sq	R		
at 10.26 1	57.2	53.8	29.594	58 / 57.2	SW	290	trace	0.050	o v g d q	KS 502
2	47.1	54 –	29.829	47 / 44.1	SW	172	0.363	0.617	b r	GS. B storm thrush at 8.30 378
3	49.2	49.5	29.414	49.8 / 48 –	SWbW	330	0.049	0.115	o m q r	KS heavy gale S&E heavy 554
4	45	49.	29.350	45 / 41.9	W	210	0.338	0.703	b v q	KS. GS. (1945) 511
5	37.7	49.2	29.606	37.5 / 36	W	100	0.340	0.457	b v	KS. GS slight snow 6 307
6	35.	42	29.841	34.9 / 33.9	NW	75	0.060	0.047	o v m	KS. GS snow showers & strongish 147
7	35.6	40.2	29.932	35.1 / 32 –	SW	34	—	—	o v m	GK. K. slight snow at 11 P.M. sky & dur. 110
8	44.9	42.5	29.771	45 / 44.8	SW	71	0.090	0.093	o m	GK. K 170
9	35.6	55 ×	30.184	35.2 / 34.2	WNW	31	poss –	—	b m	GK × sun had shone on it 108
10	33.5	39.8	30.040	33.2 / 32	NE	27	—	—	b f	K, GK 91
11	40	46 –	29.955	40. / 39.9	ENE	67	0.046	0.054	b v? m	GS. KS 157
12	46.	45	30.300	46.1 / 44 –	S½E	116	0.011	0.002	b v m	KS 223
13	30.2	39.	30.458	30. / 32.	WbS	7	—	—	f	43
14	42.7	45.	30.296	42.2 / 41.7	WbN	32	0.011	0.013	b v? m	K°. W4S saw stars between 4 & 5.30 65
15	42.1	41	30.286	42.2 / 40 –	NbE	100	trace	—	b v h	K GK 10 / 5 after 3½ 176
16	39.9	40.4	30.188	40.1 / 38.1	NW	14	—	—	b v m	K1 87
17	43.9	42.8	30.113	43.1 / 41.5	NE	19	0.080	0.210	g m	K 35
18	41.1	43.	30.368	41.8 / 41.8	NNE	40	—	—	g m	K 124
19	41.	42.9	30.200	41.8 / 40.1	E	107	0.273	0.300	g r	K 121
20	42.2	42.7	29.859	42.7 / 40	SSE	125	0.002	0.50	g g o	237
21	46.2	42.8	29.259	47.7 / 46.6	SSE	279	0.107	0.141	g g p	490
22	47.9	45.7	28.748	47. / 46.8	SbW	336	0.171	0.255	o m	K 599
23	41.4	44.2	29.214	41.7 / 39.1	NbW	117	0.013	0.003	o b	C 179
24	32.5	40.9	29.369	42.1 / 42.1	SbW	182	——	——	o v	K C horizon hoar frost 139
25	43	44.1	29.188	43.2 / 42.1	SSE	158	0.00	0.119	g g r	K 199
26	44.4	43.9	29.383	44.8 / 44.3	N	61	0.291	0.124	o o m	80
27	36.1	40.6	29.850	36.2 / 36.1	SEbE	38	—	0.023	o f	69
28	37.	41.2	29.730	36.9 / 36.9	SSW	24	—	—	b f	KGK 49
29	35.3	43.8	29.500	45.8 / 44	SSE	285	0.004	0.007	g r	(10.26) 390
30	47.7	47.	29.205	47.7 / 47.2	SSE	435	0.786	0.969	g r g o	781
								11302		
	41.06	44.27	29.777				3.035	4.352		

1868 10 P.M Hygro Anemo Thermo

1868		10 P.M			Hygro	Anemo		Thermo		
November		E	A	Bar	{Dry / wet}	Dir:	Space	Max:	Min:	
⊙	1	45.4	50	29 754	45.3 / 45	SW	206	60	47.0	o v q [illegible]. CS
	2	46.7	48.5	29.612	46.9 / 45.8	SW	224	51.4	41.0	o v q r KS
	3	50 –	50	29.334	49 – / 47.9	WSW	301	51.5	47.0	o v q r: N blowing a furious gale
	4	35	45.4	29.364	35 / 34.3	W	207	52	35.0	o v r KS
	5	33.2	42	29.683	33.1 / 32.8	W b N	72	43	33.0	o v KS Snow on the roof Aur^a in NW
	6	30.7	40.2	29.868	30.4 / 28.2	N W	76	39.5	28.5	b/8 v KS frequent showers of Sleet all day
	7	39.2	42.	29.832	39.2 / 38.8	SWbW	99	42	27.5	o g CS KS Jup vis^ble through [illegible]
⊙	8	35 9	42.5	29 955	35.9 / 33.5	NE	77	47	36.0	b/10 ? m g Stars dim ungenial
	9	34.2	38.2	30.123	33.5 / 33.1	NE	64	44.2	28.0	b/10 m
	10	38.	41 –	29.360	37.8 / 35.3	E	90	43	27.5	o g
	11	39.7	43	30.096	39.8 / 37.5	ESE	107	46.5	36.5	o g KS ?
	12	34.8	43.2	30 450	33.8 / 32	W b S	36	41 –	35.5	b/10 g f Stars dim
	13	36.5	40 5	30.420	36.2 / 35 –	W b S	33	38.5	27.5	o g
	14	41.1	42 –	30 258	41.2 / 38.9	N½W	76	47.5	37.0	o g
⊙	15	34.2	42.	30.266	34.2 / 34	N b E	73	37.2	34.0	b/8 m ? KS round hor^zn slight Aurora
	16	37.4	42.1	30.120	37.8 (36.9) / 43.8	NNW	36	44.6	33.0	o g CS
	17	43.7	43.	30.233	41.2 / 40.7	N E by N	84	46.8	32.0	4 g.
	18	41.2	44.9	30.220	39.7 / 40.7	E	14	46.8	39.9	6 r - g.
	19	40.7	42.4	30.110	36.8 / 43.6	S E by S	112	45.8	38.9	c g.
	20	43.6	43.	29.698	42.1 / 46.7	SSE	211	46.1	39.2	o. q. g. r
	21	46.9	45.8	28.820	45.2 / 41.1	S	263	51.8	41.7	9b q v. Stars
⊙	22	41.7	45.9	28.798	40.7 / 31.8	SW	89	50.2	41.6	10b v slight CS horizon [illegible] moon & stars
	23	32.	43.1	29.449	31.7 / 38.7	S. W by W	62	46.	32.0	10b v moon & stars
	24	40.1	41.9	29.362	38 / 43.1	E	127	42.3	28.9	6 v C moon hazy
	25	42.8	45.7	29.198	42.9	W	122	48.9	39.1	o g. r
	26	38.9	44	29.839	39 – / 39	N b E	22	47	38.0	o m KS
	27	34.6	41.5	29.796	34.7 / 34.8	E b N	25	41.4	33.0	c f.
	28	42	43	29.598	42.1 / 40.6	S	155	44	32.5	o v C.K. K blowy.
◐	29	45.7	45	29.258	45.9 / 44.8	SE.	346	48.5	41.5	b v q r (thrush) storm
	30	50.7	48.6	29.204	51 – / 50.1	SSE	281	52.3	49.5	o q K Do
		39.62	43.66	29.735				45.93	~~35.79~~	
								46.2	36.1 ✓	

1868	10 AM			Hygro	Anemo		Ombro			
December	E	A	Bar	{dry / wet}	Dir	Sp	S	R		
1	46.9	47.5	29.369	47.2	SWbS	185	0.141	0.143	o m KS the "wet" was dry	466
2	46.2	44.8	29.442	46.6 / 45.8	SE	105	0.009	0.003	o v KS wind high thrush	222
3	49.9	53.2x	29.000	50. / 48.1	S½E	315	0.332	0.355	b v CS. KS. wind high x the sun had shone on it	531
4	52.5	51.	28.856	53. / 52.1	S½W	293	0.330	0.453	b v h q KS wind fresh	439
5	50.5	49.	28.900	51. / 49.1	SWbS	301	0.045	0.067	o v q g h KS	642
6	46.3	48.5	29.181	46.7 / 45.3	SSW	366	0.146	0.155	o v m g q KS	494
7	47.3	48.5	29.412	47.2 / 46.	SW	218	0.015	0.009	b v q K. C.	289
8	43.8	47.	29.192	43.2 / 43.2	NE½E	103	0.538	0.613+	o v r KS	239
9	43.9	46.	29.956	43.4 / 43.1	S½W	33	0.053	0.062	b m CK round horizon	117
10	54.9	50.	29.169	55.3 / 53.8	SbW.	395	0.223	0.538	o v q m KS violent gusts all night	587
11	43.7	48.	28.945	43.8 / 41.	N	267	0.187	0.120	o v q KS	672
12	37.	41.4	29.658	37.1 / 34.9	EbN	111	—	—	o v m g KS	261
13	44.5	44.5	29.384	44.6 / 42.2	SEbE	149	—	—	o v KS dark all day.	284
14	50	47.	28.679	50.4 / 49.	SbE	321	0.356	0.4?8	o v m r q KS	529
15	45.5	46.5	28.694	45.4 / 44.	SbW	284	0.049	0.068	b v h q C K	580
16	43.5	45.5	28.889	43.1 / 41.2	S	155	0.112	0.062	b v m C K. Thrushes singing at sunset	318
17	42.1	44.	29.436	41.0 / 40.2	S	164	0.202	0.323	o v m CS	443
18	45.2	47	29.190	45. / 43.9	SbW	219	0.175	0.211	b v h a trace of Cirrus	511
19	39.	43.4	29.350	38.8 / 37.9	SbW	63	—	—	o v c slight	91
20	40.	43.8	29.183	40.1 / 40.	N	37	0.079	0.082	o r f g	77
21	50.8	45.3	28.698	50.5 / 50.2	S	214	0.338	0.320	o q d q K	454
22	44.3	45.1	28.710	44. / 43.3	S.S.W	114	0.528	0.631	o q b p K.C	424
23	39.2	43.6	28.754	39.1 / 39.	S.S.W	76	0.031	0.037	8 [illegible] CS	283
24	40.5	43.6	28.520	40.5 / 40.3	NW	142	0.2??	0.239	o c. K. E horizon. S overhead C. & W	242
25	42.3	42.6	28.851	42.3 / 41.1	W	168	0.034	0.???	o o d q	398
26	36.6	41.7	29.000	36. / 35.8	S	277	0.105	0.345	o f q r	520
27	44.5	42.8	28.270	44.4 / 43.8	S.W	207	0.358	0.513	o q r q	476
28	36.1	40.9	28.278	36.2 / 35.5	S.W	173	0.278	0.428	o m. K.C. p	309
29	32.8	39.1	28.920	32.6 fm / 32.	S.S.W	84	frozen	0.060	9 v b. CS K. horizon.	171
30	33.2	38.3	29.153	33.1 / 33.1 f	S.W	76	—	—	5 v b. C. K r. alternate	264
31	34.4	38.5	29.596	34.3 / 34.2	SW by W.	196	—	0.189	10 c b. K in N. horizon	265
	43.70	46.63	29.343 (053)				4.?48	6.561		
			611 / 1.635							

1868	10 PM			Hygro	Anemo		Thermo		
December	E	A	Bar	{dry wet}	Dir:	Spee	Max	Min	
1	39.2	44	29 478	39.2 39.2	S b W	117	52	39.0	b v S
2	49.1	47	29 204	49.4 48.5	SE	216	52	35.0	o v q cl KS blowing very hard & light
3	47	48	29.072	47.1 46	SSE	176	51.5	41.5	ov q KS frequently clearing & cloudy
4	48.8	50	28.710	49 47.8	S	341	56	47.5	ov. q r KS
5	46	48	29.084	46 45.3	WSW	178	53.5	46.0	b v? q q KS. CS hard squalls fleet clouds
6	44.3	47.5	29.183	44.7 44.6	SW	71	50	44.5	3 o g Thrushes sung all day
7	43.7	47.	29.312	43.8 43.0	EbS	136	52	43.0	o g Thrushes all day
8	42.4	46.5	29.690	42.0 42.2	NNE	84	47	43.0	o q drizzly muzzle or rain all day
9	45.7	46.5	29 673	45.9 44.2	S½E	192	47.5	41.5	o g r violent rain
10	55.2	52.5	28.804	55.8 54.4	S½W	405	57	45.0	o g q gusty no birds singing
11	38	45	29.521	38.1 36.4	NE½E	150	57.5	38.0	o g. (stars bright & defined at 11.30 PM)
12	42.8	43.5	29.505	42.9 41.9	SE	135	45 2	30.2	o g very dark
13	48.2	46.5	29.043	48.2 46.8	SE	208	50.2	43.2	6 v ?q KS faint dust Stars very dim windhigh
14	46.6	47	28 654	46.7 45	S½W	296	53.	46.5	6 3 ? g q KS very clear fr 3 pm to 6
15	45 6	46.5	28 905	45.3 44.	SE b E	163	50	44.0	o g q
16	44 8	45.6	29.098	44 9 43.4	W½S	279	50	41.5	o g q r
17	52.6	49 -	29 032	53 51.9		292	54	39.0	o g q r 29.032
18	38.2	45.9	29.492	37.3 37.3	S.S.W	28	54.9	38.9	v CS slight Stars
19	33.9	43.	29.373	35.6 33.4	NW	37	43.1	32.0	q. o. very dark
20	43.3	43.6	29.062	45.12 41.8	S.E	40	48.1	32.2	q. CS. K. horizon
21	41.9	45.5	28.694	41.2 40.3	S.S.W	250	53.1	42.0	bv. Slight C. horizon - Moon [illegible]
22	40.4	45.3	28.709	40.1 38.4	SW	210	48 1	40.1	v CS. & between & stars visible
23	39.4	43.9	28.646	39. 37.9	S	207	45.	33.1	v KS Some Mist
24	37.3	43.1	28.747	41.9 41.6	SW	100	45.1	33.1	CS. misty moon
25	42.1	42.9	28.635	41.9 41.6	SWbyW	230	46.8	37.0	q CS v imparts
26	40.1	41.9	28.498	39.9 38.1	WSW	243	46.	35.8	CS misty moon halo & horizon
27	36.4	41.9	28.797	36.8 36.1	SW	269	50.1	36.6	4 v CS. K horizon heavy clear stars
28	32.8	40.2	28.854	32.7 32	SWbyW	136	41.9	32.0	8 v. CS Moon clear & some stars
29	32.	39.1	28.948	31.8 31.	SW	87	38.8	32.3	2 CS moon misty
30	31.9	39.2	29.230	36.7 35.7	W	188	40	29.1	8 C K. Suddenly. Moon misty
31	32.8	30.3	29.633	32.4	SSW	69	41.9	32.2	10 q Moon Stars bright
	42.16	44.99	29.090				48.86	38.34	
							49.1	38.5	

Summary 1868	10. A. M. E	10. A. M. A	10. A. M. Barometer	10. P.M. E.	10. P.M. A	10. P.M. Barom:	Rain Guage Square	Rain Guage Round	Thermometer Maximum during month	Thermometer Minimum during month
			at 50° F							
January	40.32	40.70	29.537	38.46	40.69	29.575	2.608	4.604	55 2. 16	23.6 4
February	43.71	44.07	29.768	41.58	44.14	29.784	2.952	5.217	57.5 25	31 9
March	46.18	45.48	29.664	43.12	46.19	29.673	3.562	5.067	58.5 21	31 24
April	50.87	49.52	29.707	45.97	50.43	29.700	2.535	2.798	64.2 16	33.7 10
May	56.14	54.57	29.699	49.29	54.93	29.718	1.889	2.093	68.6 19	37.8 4
June	60.83	58.83	29.941	53.96	60.23	29.946	0.915	1.121	75 30+31	43.1 8
July	63.20	63.84	29.940	57.45	66.52	29.941	0.887	1.148	83.1 15	46.5 24
August	62.05	61.86	29.617	55.39	60.74	29.596	2.585	3.582	81 ~~78~~ 4	44.5 20
September	57.43	57.62	29.677	52.45	58.36	29.640	1.595	2.127	78.2 6	40 6
October	48.90	49.96	29.306	44.13	49.59	29.595	2.880	2.873	60.6 11	30.8 19
November	41.06	44.27	29.777	39.62	43.66	29.735	3.035	4.352	60 1	27.5 7. 16 13
December	43.70	46.63	29.343	42.16	44.99	29.090	4.948	6.561	57.5 11	~~30.1~~ 12
Summer	58.90	57.78	29.696	54.96	58.32	29.739	9.951	12.894		
Winter	44.82	45.90	29.632	45.81	45.01	29.592	18.640	28.599		
Year	51.20	51.43	29.664	46.96	51.70	29.666	28.591	41.493		

	Days Rain	Mean Thermometer	Mean Barometer
January	21	39.39	29.556
February	24	42.64	29.776
March	25	39.65	29.668
April	14	48.47	29.738
May	21	55.35	29.703
June	12	59.83	29.943
July	9	60.32	29.940
August	20	58.72	29.601
September	15	54.94	29.658
October	23	46.51	29.450
November	19	40.34	29.756
December	27	42.93	29.216
	230		

Mean Temperature = 50.02

Maximum : 15 July = 83.1
Minimum : 4 January = 23.6

Mean Barometer : 29.814
Maximum Do : 30.458 13 November
Minimum Do : 28.270 27 December

Greatest Rain Square 0.~~706~~ 0.830 ~~November~~ August
Round 0.969 " "