

1869	10 AM			Hygro	Anemo		Ombro				
January	E	A	Bar	Wet	Dir	Space	Syn	R			
JRR	1	41.9	39	29.500	42.39.2	SE	172	0.163	—	ov h q KS	241
	2	36.2	38.5	29.497	35.3	SW	140	0.250	0.371	g KS	399
	3	38.	40	29.096	36.3	SW S	178	0.120	0.196	ov m KS	422
	4	37.4	39.8	29.478	37.3	SW	254	0.019	0.022	b.v. g KS. CS	484
	5	44.7	44.	29.047	45.2	W S	342	0.428	1.551	o v. g g KS	544
	6	37.8	44.4	29.909	36.9	S.W	183	0.005	0.022	o v h CS C CK into	405
	7	35.8	42.	30.032	46.2	S.W S	102	0.008	—	ov f	238
	8	46.	45.	30.058	44.6	S.W	179	—	—	1 b v q CS KS CK	290
	9	45.9	45.	30.204	45.7	S.W	170	—	0.012	o v? m g KS	318
	10	47.	45.4	29.080	46.5	S.W E	212	—	—	o v? g KS	360
	11	46.4	45.5	29.864	46.7	SE	155	—	—	o v m KS	410
	12	48	46.6	29.772	46.7	S	140	—	—	o v g CK KS CS	233
	13	46.1	46.5	29.720	44.8	S.W	135	—	—	1 b v h CK. CS	336
	14	47	45.	29.308	44.8	SE S	215	—	—	o v? g g h KS	471
	15	42.7	44.	29.374	41.9	SE S	86	0.095	0.072	of	443
	16	49.1	46	29.502	48.7	S E	103	0.052	0.070	ov h KS	262
	17	43.9	47	29.799	43.7	NE S	49	0.755	0.797	o v r g S.	162
	18	46.9	45.5	29.968	46.1	S E	58	0.075	0.092	o b g t. H. S. N.	135
	19	48.1	47.2	30.054	48.3	S	184	0.024	0.031	o m KS g	411
	20	47.4	47.5	29.890	46.5	S	339	0.090	0.099	o v m g KS	524
	21	43.	45.5	30.150	40.1	NE S	86	0.107	0.126	o b? C. H	220
	22	35.2	42.	30.125	34.7	NE S	7	—	—	o f KS	87
	23	44.6	43.	29.796	41	S.W E	68	—	—	3 b v? m CK	117
	24	39.4	43.5	29.848	39.1	S.W E	78	—	—	ov f	272
	25	41.3	43.	29.630	40.1	S.W S	207	0.083	0.115	o f	344
	26	30.9	40.8	29.438	35.2	S.W	70	0.072	0.013	o v? f CS KS	126
	27	45.	42.	29.213	42.5	S	122	0.022	0.026	o S g	297
	28	43.5	43.2	28.908	41.9	S.W	145	0.147	0.175	o b m S K	332
	29	44.1	40	28.420	43.9	S.W	310	0.309	0.304	o v KS	Barom. rising 1.78
	30	48.7	50	28.976	46.7	S.W	337	0.038	0.111	g S v r o. KS. C.	477
	31	48.9	47.5	28.462	46.1	S	lost	0.254	0.337	o v? f g KS	362
		43.40	44.01	29.581				3.036	3.607		

1869	10 PM			Aug 10	Anemo		Thermo		
January	E	A	Bar	Wet	Dir:	Spce	Max	Min	
Jan 1	39	40.6	29.354	38.9	SW	259	46	30.0	6 v bl violent rain beg 2 pm
2	42.4	42.5	29.089	42.6	SW S	244	47.2	31.0	0 g g KS
3	35.2	38.	29.227	34.8	SW S	270	45.	34.0	6 v r KS
4	40.8	41.	29.389	40.8	S by E	230	40.9	40.0	0 f r
5	36	42.	29.631	35.1	SW	202	41.	34.1	10 b v q
6	35.8	41.	29.950	35.1	SW	222	43	34.5	10 b v 12 faint aurora N.W. stars
7	44.5	42.4	30.204	41.4	SSW	136	47	33.5	0 f. day fair but heavy
8	46.5	44.5	30.122	45.9	SW	199	47	44.0	0 f CS CK. some stars in zenith visible
9	46.5	46.	30.093	45.2	S.E.	148	47	44.5	0 f. V.
10	45.7	46.	29.825	45.9	S by E	215	49	45.2	0 f CS KS one or two stars visible
11	44.	45.2	29.795	45.1	S.E.	135	49.1	45.0	0 f.
12	46	47.4	29.780	45.	S by E	201	52.5	44.5	5 b y CS KS
13	44	45.	29.540	44.4	SE by E	206	49.2	42.0	0 f. V.
14	47	46.6	29.070	45.4	S.E.	359	49.3	43.0	0 f. V.
15	42.2	44.5	29.645	41.2	S	60	49.	40.0	0 f.
16	46	47	29.646	45.9	S.E.	219	48.5	42.0	0 f. V.
17	38	45	30.036	37.7	SW	77	47.2	40.5	6.10 Bright aurora N.W.
18	47.2	47	29.973	45.1	S	227	49.2	38.5	0 f. V.
19	49.1	48.5	29.919	46.3	S	185	52.2	46.5	1 v q KS
20	45.7	47.6	29.954	45.	SSW	134	52.1	44.5	0 v KS
21	34.1	39	30.110	33.5	N	80	49	32.5	10 b v
22	39.3	42	29.954	39.3	E	49	42	39.0	0 f
23	38.7	43	29.746	37.1	S.E.	134	38	35.2	3 b m. C.H. CS
24	38.6	41	29.716	38.8	S.E.	140	44	37.3	0 v q CS KS
25	33.8	39.8	29.011	33.1	W	40	46	35.0	10 b f
26	35.1	40.5	29.484	34.6	SW by S	167	46	38.5	0 CS KS faint halo
27	35.5	44	28.923	45.9	S.W.	287	48	36.8	0 v q CS KS
28	48.5	45.5	28.280	48.4	SE	252	51	40.0	0 v q r N. KS
29	41.9	43	28.510	41.2	SW	382	49	40.1	0 v f. KS
30	45.6	46	28.004	44.2	SE by S	362	48.8	38.0	0 v q r. KS N.
31	44.7	46.2	28.584	43.7	SW		51.2	44.5	4 b v q KS slight aurora N.W.
	41.54	43.08	29.536				47.11	39.02	
							47.2	39.2	

1869	10 A.M.			Hygro	Anemo		Ombro			
February	E	A	Bar	Dry wet	Dir:	Space	Squ	R		
1	45	45	28.538	45. 44	WSW	162	0.000	0.000	16 v	KS. CS
2	39	47	29.460	37.2 36.1	StlyW	62	0.201	0.230	96 m	C 306
3	50.2	45.6	29.344	38.5 39.9	W. SW	192	0.274	0.361	0 v	KS Lashed sailing 376
4	53.9	49	29.618	52.2 51.9	SSW	212	0.038	0.058	0 v 29	KS primrose in blow 516
5	52.6	51.6	29.729	52.1 51	SW	284	0.029	0.018	2 b m	CS KS 503
6	50.3	49.4	29.710	50.7 49.8	SW	128	0.000	0.017	0 m	KS 285
7	51.2	48.8	29.300	48.8 51.1	SW $\frac{1}{2}$ W	182	0.085	0.270	0 v 2	KS 438
8	51.1	50.	28.916	51 44.1	SW $\frac{1}{2}$ S	149	0.972	1.666	0 v f. q. r	K Hawthorn in leaf 440
9	44.1	51.	29.329	41.9 40	SW $\frac{1}{2}$ W	188	0.198	0.303	1 b v	KS C 384
10	45.2	47.5	29.443	45 44.3	W	179	1.190	1.665	0 f r	314
11	44.3	46.5	29.794	41.7 39.9	WSW	165	0.090	0.088	0 v?	CS. KS Flood in rivers 173
12	39.9	43.2	29.643	37.9 43	SW	64	0.000	0.000	0 f	260
13	43.	45	30.064	39.9 43.2	W. S.W	142	0.000	0.000	4 b	CS 540
14	40.8	47.7	29.784	49.8 48.2	SW	189	0.000	0.051	0 v	KS 317
15	40.1	48.	29.954	46.9 51.10	SW $\frac{1}{2}$ S	180	0.010	0.140	0 v 2	KS CK CS 422
16	50.8	48	29.371	44.7 44.1	S	287	0.000	0.010	0 v q.	K Barom' heaving 570
17	44.9	47.8	29.190	41.7 44.3	S. SW	253	0.013	0.050	10 b. q.	694
18	44.7	45.	29.375	42.8 43.1	SW	142	0.000	0.039	9 b m	CS 352
19	43.5	44	29.800	42 48.7	W	81	0. trace	0. trace	0 v	KS 176
20	48	45.9	29.532	47.8 45.1	SW	170	0.021	0.039	1 m	KS 463
21	45	46	29.853	44.1 44.1	NW $\frac{1}{2}$ W	99	0.075	0.034	0 f. q.	128
22	44.7	44.9	29.800	44 42	S	15	0.000	0.005	0 f	KC 64
23	42.1	43	29.990	41.6 47.7	SW	80	0.125	0.128	0 v? f	KS 220
24	47.3	46.5	29.518	47 44.4	StlyW	284	0.055	0.120	0 v m r q.	K 518
25	44.5	44.3	29.490	44.4 47.1	SW $\frac{1}{2}$ S	222	0.324	0.630	0 v q.	KS 523
26	47.2	47	29.894	46.6 39.9	W. SW	172	0.423	0.484	0 v h.	KS. CS 357
27	40.	51	29.887	36.5 33	WbyN	305	0.080	0.220	7 b v. q.	KS 528
28	34	42	29.600	31.8	WNW	187	0.323	0.384	0 f q.	sn. KS 354
	45.82	46.78	29.569				4.447	6.005		

1869	10 P.M.			Hg	Anemo		Thermo			
February	E	A	Bar	Wet	Dir.	Space	Max	Min		
1	41	45	29.084	39.2	NW	227	49.2	40.0	0	g. r.
2	41	43.5	29.484	41.1	S	184	45.0	36.0	0	g
3	50.1	48	29.535	39.8	SSW	174	53.9	41.0	0	g
4	50	49	29.569	50.6	SSW	304	56.0	49.5	0	g r.
5	49.4	51.4	29.626	49.8	SSW	215	56.5	48.6	0	6 v e
6	50	50	29.464	47.1	S	157	54.0	48.0	0	v g
7	52.1	51	29.024	50.3	SW by S	353	54.0	44.0	0	g. e. r.
8	42.5	48	28.882	48.9	SW	291	55.0	42.5	0	g r
9	41.9	46.5	29.453	41.4	WSW	196	48.0	41.0	0	g. r.
10	43.9	47	29.595	43.5	SW by W	135	51.0	43.0	0	v? CB. KS some stars visible thru cloud
11	37.9	44.8	29.859	37.9	W.S.W	108	49.0	38.0	0	g.
12	39.8	43.6	29.756	39.5	NW	196	46.0	36.5	9	6 v r stars Aurora
13	46.1	45	29.850	46.7	SW by W	398	49.5	36.0	0	v g e some squalls furious
14	48.4	46.8	29.992	48.1	SW by W	128	51.5	45.0	0	g
15	46.5	47	29.720	46.6	SW	233	51.5	46.0	0	g. r
16	41.7	45	29.339	43.5	SW by S	283	53.5	47.0	7	b KS
17	40.7	44	29.162	40.5	SSW	439	49.0	38.0	10	6 v
18	39.7	45.2	29.620	39.9	W $\frac{1}{2}$ N	210	50.0	36.0	9	6 v KS
19	42.8	45	29.750	42.9	SW $\frac{1}{2}$ W	95	48.0	38.0	0	v KS
20	42.4	45	29.610	42.7	NW $\frac{1}{2}$ W	53	51.5	43.0	0	f
21	41.8	45	29.892	41.8	ENE	29	48.5	42.0	0	v? CK KS
22	40.3	45.2	29.900	40.4	NNW	49	51.0	40.5	0	v? + KS
23	45.1	46	29.993	45.1	SW by S	743	50.1	34.5	0	v KS
24	38	41.8	29.827	44.2	W	234	50.0	37.0	0	v KS CB very thin
25	45.1	46	29.565	37.7	W	301	56.0	36.4	0	v g KS CB
26	50	47	29.620	44.19	W.S.W	185	52.0	42.5	0	v e KS
27	33	43	29.676	47.9	W.S.W	223	52.3	33.0	0	v sn. 10.20 Reg ^s
28	37.3	40	29.392	50.7	SW by W	167	40.2	32.0	1	6 v KS snow gone
	43.50	45.86	29.579				50.62	40.40		
							50.8	40.5		

1869	10 Bell			Hygro	Anemo		Ombro			
March	E	A	Bar	dry wet	Dir ⁿ	Space	S	R		
1	40.1	42.4	29.531	40.1 37.5	W ¹ / ₂ N	190	0.264	0.197	0 v e f	KS 300
2	41.2	43	29.034	41.1 38.2	W by N	184	0.401	0.675	7 b v	H 350
3	35.9	39	29.872	35.7 35	SSW	96	0.038	0.058	0 f sl.	162
4	39.3	38	29.991	39.6 39.2	SW	2	0.024	0.038	0 f.	121
5	46.7	46	29.819	46.7 41.9	WSW	187	0.028	0.043	8 b v 2	KS, K 396
6	41.7	41.5	30.122	41.8 39.1	SW	55	—	—	0 v m	CH KS 179
7	43.8	43	29.809	43.9 43.9	S ¹ / ₂ W	202	0.143	0.188	0 v m	KS 236
8	41.1	43	29.782	41.1 38.6	NW by N	111	0.026	0.044	0 p	KS (Reg: 10.25) 147
9	38.3	41.5	29.452	38.9 41.5	N by W	91	0.085	0.032	3 b v	KS CS Snow on mountains 173
10	40.2	42.6	29.353	40.2 36.7	N ¹ / ₂ E	62	trace	—	8 b v m	CS K 180
11	36.1	42	29.538	36.2 36.8	NW by N	34	0.123	0.094	8 b v	AC K CK 70
12	36.7	38	29.496	37 35.1	E	99	—	—	0 v f	K f late 290
13	35.	37.8	29.504	35.3 38.3	NE by N	204	0.193	0.327	0 f. snow	CS KS 396
14	38.3	37.8	29.780	38.8 39.1	N ¹ / ₂ by E	183	0.031	0.013	0 v	CS KS 274
15	39.2	39.2	29.618	39.7 43.2	S	73	—	—	8 b vq m	K. 314
16	42	40	29.386	40.7 40.3	S by E	203	—	—	0 f	KS CS 437
17	40.1	42	29.109	40.8 46.6	NE	247	0.453	0.583	0 v! f	KS 324
18	45.1	42	29.504	45.3 34.1	WSW	137	trace	—	0 v	KS CS 326
19	35.1	41	29.369	34.2 41.2	N by E	139	0.360	0.450	0 f. r. sled q	268
20	41.3	40.5	29.644	41.2 39.2	NW	148	0.078	0.120	0 v r q	S n. SE 277
21	45.6	42.2	29.927	45.1 44	N by E	187	0.015	0.002	4 b v	K 322
22	43.9	42	30.138	43.8 39.9	N ¹ / ₂ E	34	—	—	3 b v	K CK 92
23	39.1	41	30.242	39.1 46.2	S	17	0.009	0.013	0 f.	56
24	46.8	43.5	30.158	44 44.7	N ¹ / ₂ E	23	—	—	0 v	KS 102
25	44.1	42.8	30.094	44.8 44.8	NW by N	79	—	—	0 v	KS 127
26	44.2	44	29.808	44.8 40.6	NW by W	100	0.005	0.020	0 v	KS
27	39.9	41	29.697	39.9 44.3	N	117	—	—	16 v dq	KS 282
28	43.9	42.8	29.716	43.8 42.2	N ¹ / ₂ E	143	—	—	16 v 2	K. KS 308
29	41.8	41.5	29.908	41.8 40.9	N ¹ / ₂ E	100	—	—	0 v h	KS 253
30	40.3	41	29.908	40.3 45.3	NE	19	—	—	0 v 9	KS 116
31	44.8	40.9	29.797	44.8 41.2	N	47	—	—	8 b v	CS 134
	41.03	41.38	29.715				2.276	2.897		

1869	10 P.M.			Aggro	Anemo		Thermo				
Match.	E	A	Bar	Wet	Dir	Spec	Max	Min			
1	37.2	42	29.034	36.8	W by N	202	48	36.5	0 g. E. T.		
2	32.9	40	29.008	36.0	NW	166	44.6	32.5	10 b v	Steamers & Bright auroral arch NW	
3	33.1	39	29.068	32.5	SW	66	40.2	32.0	9 b v	KS	
4	45.5	43	29.065	32.7	SW	119	49.2	30.0	0 g. L		
5	39.7	43.2	29.995	32.3	W $\frac{1}{2}$ S	209	50.6	39.0	7 b v	CS	
6	42.1	44	29.990	45.6	SS E	124	49	33.6	0 g		
7	41	44	29.942	39.5	W	93	53	40.0	0 g	KS strong aurora behind clouds	
8	33.7	42	29.643	36.9	N.NW	36	44.8	33.5	2 b v	KS Aurora N.NW	
9	36.9	42	29.305	32.5	SW by W	82	45	31.5	0.8 v	KS	
10	32.8	41	29.406	32.7	N by E	118	44	31.0	0 g snow		
11	31.5	35	29.578	32.8	N by W	36	44.2	29.5	10 b v	Faint Aurora	
12	34.1	38	29.297	30.5	E	181	39.8	27.5	0 g q snow		
13	33.5	37.5	29.642	29.9	N E	192	40	30.0	6 b v	KS	
14	34	38.8	29.736	33.4	S by E	91	43	31.0	7 b v g	KS a film of CS over clear sky	
15	34	39.2	29.501	33.7	SE	241	44	31.5	0		
16	41.9	42	28.940	38.2	SE	234	46.5	34.5	0 g. E. T.		
17	40	41	29.496	34.9	NE	80	45	39.0	0 g.		
18	37.7	42.6	29.680	42	SW	189	52	38.0	4 b v	CS KS Aurora low down NE	
19	37	41	29.610	40.7	E NE	129	46.5	34.5	10 b v		
20	40	42	29.726	37.5	NW	180	49	34.0	6 b v	KS all round horizon	
21	38	42	30.091	37.9	N $\frac{1}{2}$ E	135	48.2	30.0	5 b v	K clear part of sky extraordinarily so	
22	37.6	43	30.172	36.7	N	58	50	35.6	8 b v	K	
23	39.9	44	30.220	36.2	N	39	49.1	30.5	0 v	K CK	
24	37.8	44.5	30.105	39.3	N	79	49	38.0	10 b v		
25	40.2	43.8	29.954	36.9	W by N	148	49	35.0	0 v	m.d. KS. CS	
26	37	43	29.779	40.6	N by W	164	51	36.0	0 v	CK. K	
27	38.3	42	29.724	39.9	N by W	165	44.5	32.5	0 v g	KS CS thin & filmy	
28	36	43	29.846	33.9	NE	215	49	36.0	10 b v		
29	38.9	42.5	29.923	35.8	NN E	153	47	39.0	3 b v	KS CS	
30	38.7	42	29.926	36.5	N	77	44	33.0	0 g		
31	37.9	43	29.830	38.8	N	87	46.1	31.2	9 b v	K Aurora NW	
	37.35	41.61	29.730	37.9			46.46	33.79			
				36.1			46.6	34.0			

1869	10 A.M.			Hygro	Anemo		Ombro			
April	E	A	Bar	^{60°} wet	Dir	Sp.	S	R		
1	45	42.8	29.792	45.1 42.1	WNW	33	—	—	0 v h	CK K 163
2	49	45	29.254	49.5 48.5	SW	179	0.203	0.327	2 b v!	CS KB 390
3	37.7	41	29.294	37.5 34.5	NW ¹ / ₂ W	135	0.282	0.360	0 v	KS. CS 335
4	44.3	42	29.598	44.6 40.8	WNW	108	0.016	0.043	0 v	KS. CS 358
5	47.1	44.8	29.760	47.1 45.5	S.W	159	0.011	0.427	0 v	KS 401
6	49.1	46.2	29.588	49.6 47.1	W.S.W	135	0.177	0.267	0 v r	KS n.in W 197
7	43.4	45.6	29.723	42.7 40.5	NW E	49	0.277	0.269	1 b v	KS. K 127
8	45	44	29.860	44.9 38.6	N Ely E	39	trace	—	8 b v	K 163
9	49	45	29.801	44.3 43.5	E.S.E	179	0.012	0.012	0 f r	369
10	55	47	29.778	51.1 50.7	SW by W	115	0.077	0.066	0 v f	KS K 197.4
11	60.3	49.9	29.698	56.1 59.5	S	73	—	—	10 b m	CS 251
12	58.7	52.9	29.826	58 58.1	S	130	trace	trace	5 b. m	CS 325
13	58.4	52.1	29.894	58.1 56.1	S	179	—	—	10 b haze	Brown Butterfly 386
14	54.7	54	29.671	53.4 51.5	SW by W	92	0.011	0.008	0 d	K Beech leaves out 147
15	49.9	52	29.339	50.6 51.1	SS.E	116	—	—	0 r q	Swallows seen. 351
16	50.2	50.4	28.991	46.7 48.8	N	132	0.353	0.618	2 b	KS 305
17	48.1	49	29.482	44.9 47.4	NW	140	0.069	0.084	2 b d	KS 314
18	46.3	47	29.598	41.6 49.8	N	79	—	—	4 b	CS KB 133
19	49.3	47.8	29.610	48.8 46.9	SW	167	0.028	0.005	0 r q	K 371
20	47.	49	29.402	45.7 54.8	SW by S	46	0. lost	0.494	0 f	Primroses & Blackthorn in great blow 258
21	54.4	50	29.720	50.3 49.2	W.S.	92	0. lost	0.318	3 b v	K 234
22	49.1	51.5	29.604	47 51.9	S.E	199	0. —	0.	0 v!	ngd KS Ash in leaf 329
23	51.6	50	29.879	46.7 54.2	WSW	82	0.004	0.024	3 b v	K. K. C 212
24	53.5	50	29.810	50.2 57	SSW	115	0.015	0.023	0 v m	KS White Lilac in flower 265
25	56.6	52.5	30.102	52.9 62.8	SW	61	—	—	0 v m	KS Lilac D ^o D ^o 139.
26	62.4	52.8	30.077	56.1 60.7	SE by E	36	—	—	10 b hazy	Cuckoo heard 131
27	60	55	30.156	53.5 57.2	NE by E	77	—	—	7 b m	CS Oakleaf-pout. Cane-cricket heard. 194
28	56.9	56	30.270	50.1 49.8	ENE	113	—	—	9 b o hazy	CK 319
29	49.4	53	30.258	49.9 52.7	NE	157	—	—	10 b v hazy q	Chinese Rose in blow. 309
30	52.6	52	30.050	45.1	E by S	120	—	—	9 b v hazy	Stratus 231
	50.80	48.06	29.738				17.15	3.335	3.365	17.15 3.325 3.327

1869	10 P.M.			Hydro	Anemo		Thermo					
April.	E	A	Bar	Winds	Dir:	Sp:	Max	Min				
1	41.7	44.2	29.569	41.6 41.1	S.W	130	52	36.0	0	g	r	v
2	33.5	41.2	28.996	34.1 32.9	S.W	211	54.	34.9	0	g	sn	v
3	36.1	40.5	29.392	36.4 36.4	N.W	200	53.	33.0	0	g		
4	43.2	44	29.673	42.3 42.8	W by S	170	51	34.5	0	g.		
5	43.5	45	29.748	43.1 45	S.W by S	242	51.5	42.5	0	g.	r	
6	44.7	46.5	29.572	44.1 39.6	N.W	62	54.5	43.5	0	g.	r	
7	39.3	46	29.827	39.2 38.9	S.W by W	78	50	40.0	2	6	v	g
8	38.8	45	29.896	34.9 40.8	N.E	124	48.2	34.5	0	g		
9	47.9	46.5	29.729	41.5 48.0	S	190	56	37.0	0	g		
10	48.9	51.4	29.789	47. 54.9	S.S.E	59	63	45.0	10 b	v		
11	54.2	54	29.748	53. 51.9	S.W	178	70	43.0	0	g.		
12	52.9	54.8	29.912	51.5 53.2	S	195	67.2	49.8	10.6	g.		
13	53.1	56	29.772	53. 50.9	S	207	67	47.8	8.6			
14	50.4	54.9	29.621	50.9 46.2	W	55	61	48.2	0.	g.		
15	46.2	49.9	28.884	46.1 45.3	S	235	54	42.9	0	v	r	
16	45	49.	29.318	45.1 41.8	N.W	173	55	43.0	0	v		
17	42.1	48.2	29.831	39.6 43.9	N.N.W	174	52.3	41.9	10 b	v		
18	43.9	48.8	29.848	40.2 40.	S.S.W	54	53	38.0	0	m		
19	49.1	50.1	29.449	48.9 43	S.W	204	55.1	43.0	5 b			
20	43.1	49.5	29.530	42.5 49	W by S	112	58	44.0	5 b	v		
21	49.1	52.5	29.740	47.5 44.9	S	142	61	42.5	0	v		
22	44	50.5	29.721	43.9 46.2	S.W	230	55	44.0	0	v		
23	46.1	50	29.871	43.3 48.2	S. $\frac{1}{2}$ W	132	59	48.0	6 b	v		
24	48.4	52	29.932	47.2 48.2	W	153	55.5	45.5	9 b	v		
25	48.4	54	30.111	48.2 51	S.W	78	62	48.0	10 b	v		
26	51	55	30.027	48.2 53.	S.E	95	67.5	41.0	10 b	v		
27	53	57	30.139	50.9 46.2	N.N.E	117	67.2	46.0	10 b		m	
28	46.2	52	30.280	45.6 43	E by N	206	61	46.4	10 b	v		
29	43.4	49.2	30.198	41.8 46.	N.E	152	64	37.0	10 b	v		
30	46.2	52	30.024	42.4	E $\frac{1}{2}$ S	111	69	39.5	10 b	v		
	45.76	49.63	29.743				58.14	41.79				
							58.2	42.0				

Fine aurora N. 11 p.m.

KS Aurora through openings
Aurora strong behind clouds

dark sky full of stars

Starry
Starry. Filmy CS

KS light in horizon

KS

moon & stars

KS misty moon

CS moon clouded

CK CS KS. t.t.l. in the day

CS KS

CS KS Halo

CK. CS

KS round horizon

m moon clear

hazy

Faint Aurora NW

1869	10 AM			Hygro	Anemo		Ambro					
May	E	A	Bar	met	Dir	Sp	S	A				
1	56.1	52	29.981	55.8 47.4	E	49	—	—	10.6	v	m	94
2	56.3	53.6	29.832	50.5 45.2	E	35	—	—	0. m	CS	KS	154
3	45.5	52	29.706	44.5 46.6	E	126	0.301	0.353	0 m	g	KS	289
4	45.8	48	29.722	42.8 44.6	NE	169	0.566	0.730	0 v	g	K KS	351
5	44.1	48	29.684	43.2 44.2	E	106	0.030	0.032	0 v	m.g.d.	KS	283
6	44.7	48	29.113	44.2 42.5	NE	106	0.242	0.292	0 m	g. d		239
7	42.5	46.5	28.956	44.4 40.8	NNE	99	0.335	0.390	0 v	m g r	KS	266
8	44	46	29.052	40.8 43.9	NNE	163	0.016	0.008	0 v		KS	255
9	47.6	45.5	29.512	43.9 46.2	E by N	45	—	—	0 v		KS	120
10	46	47.5	29.300	45.2 48.9	N E by E	24	0.161	0.161	0 m	r g	KS ?	70
11	48.2	46	29.641	42.9 49.7	W by N	73	0.019	0.017	36	v	K. KS	169
12	48.9	46	29.917	44.6 52.4	W by S	62	—	—	16	v	KS K	123
13	52	46.5	30.125	45.8 52.7	NNE	55	—	—	36	v	K	115
14	51.9	48.5	30.033	44.8 50.1	E	103	—	—	0	v g	CS Shonghalo	301
15	49.8	50	29.754	44.5 46.9	E	200	—	—	0	v g	KS Barometer leaving	488
16	46.1	49	29.595	43.7 46.9	E 1/2 N	70	—	—	0	v	KS	168
17	46.2	48	29.377	45.1 45.7	E by S	157	0.236	0.254	0	v m g	KS	307
18	45.7	49	29.281	44.7 48.5	NE	83	0.104	0.120	0	v ? m. r	KS	159
19	45.6	48.5	29.388	43.9 50	N by W	75	0.150	0.140	16	v	r KS CS W = Nimbus	177
20	49.1	48.5	29.520	45.7 53.1	N by W	79	0.020	0.018	0	v	KS	181
21	53.8	49.5	29.644	49.1 57.2	W by N	43	—	—	0	m v	KS	110
22	50.4	51	29.839	46 57.3	NW 1/2 N	44	—	—	0	v	KS K pd.p.m	100
23	51.7	51.5	29.893	45.5 56	NW by W	19	0.008	0.010	0	v	KS	78
24	54.5	52	29.714	48.9 50	ESE	85	—	—	0	v	KS K	224
25	49	51.2	29.621	47.8 48	E 1/2 S	159	Trace	—	0	m d g g	KS	306
26	48.4	51	29.539	45.8 46.4	N E by E	152	—	—	0	v n	K	425
27	46	48.2	29.740	43.5 48.8	NE	170	Lost	0.140	0	v g	KS	443
28	48.2	48	30.005	41.7 52.9	N E L E	158	—	—	6	v	K	309
29	52	48	30.104	47.2 52	N N W	28	—	—	4	v	KS	159
30	52.9	51	30.016	48.6 52.5	W 6 N	51	—	—	0	v	KS	144
31	51.9	52	30.030	47.6	N 6 W	55	.119	.138	6	v	KS X	92
	48.87	49.04	29.666				2.297	2.803				
							148					
							2.367					

1869

10 P.M.

Hygro

Anemo

Thermo

May

E

A

Bar

Wet

Dir

Sp.

Max

Min

1	45.1	52.5	29.887	45.1 43.9	SW by S	45	64	35.0	0	nr	
2	47.8	53	29.805	46.5 43.3	E by S	119	58.5	39.5	0	g.	
3	43.9	49	29.616	43.1 44	NE	163	52.5	42.0	0	g. v r	
4	43.7	48.6	29.790	41.2 44.6	E by N	182	59	42.0	0	g	KS 2'
5	44.3	48	29.448	44 41	NE	174	48.2	42.0	0	g.	r
6	41.1	47	28.921	41 41.4	N by E	133	47.2	41.5	0	g.	r
7	42	45.2	29.176	39.7 39.1	NNE	167	49	39.5	0	g.	v
8	39.1	47	29.520	37.9 43.1	N	92	52	39.0	10.6	v	Aurora NW
9	43.2	47.5	29.393	43 38.6	NE	75	52.2	34.0	0	g.	r
10	38.9	45.5	29.486	38 39.3	NW	46	51	40.0	10.6	v	Aurora N.W.
11	40	47.6	29.809	33.8 40.8	W $\frac{1}{2}$ N	96	55	36.0	10.6	v	
12	40.9	47.2	30.264	38.6 42.7	NW	61	54	36.0	10.6	v	
13	43.5	48.5	30.116	40.2 40.8	NE	80	57	35.4	6.6	v	N.W. Sp. no auroral arch: stars visible below it KS perhaps thin CS over rest of sky
14	48.4	51	29.907	43.2 48	E by N	198	56.6	39.0	0	v	KS Aurora behind clouds
15	48.5	51	29.652	44.2 46.1	E $\frac{1}{2}$ N	288	56	44.0	0	v g.	KS. Aurora
16	46	49	29.143	45.9 48.9	S. E	98	52	43.0	0	g. r	
17	46.4	49	29.344	48.8 48.1	NNE	156	50	45.0	0	v	KS
18	43.1	48.5	29.290	48.9 50.8	N	76	50.2	43.5	0	v d	KS
19	40.1	48.2	29.518	38.2 44.9	NW	102	56	40.5	9.6	v	K some aurora
20	44.8	49.2	29.554	43.1 47	NW by W	95	55	38.0	0	v	KS
21	47.1	52.5	29.746	44.4 44.5	N	67	61	44.0	0	v	KS
22	44.8	52.2	29.925	42.5 47.9	NW $\frac{1}{2}$ W	60	60	44.0	2.6	v	CK K
23	47.3	52	29.802	44.4 49.2	S.E.	59	58	40.0	0	v	CK KS
24	49.2	53	29.662	49.1 49.8	E	139	57.2	46.0	0	v r	KS
25	49.8	52.2	29.550	47.2 42	NE by E	147	56	46.5	0	v	K
26	42.4	49.2	29.604	42 45	NE	273	53	42.5	0	v	g r KS
27	45	48.8	29.900	40.1 47.5	NE by N	151	49.4	41.5	0	v	KS
28	47.7	47	30.087	47.3 45.2	N	131	54	39.0	6	v	S
29	47.1	51	30.094	45.2 47.8	NW $\frac{1}{2}$ N	60	56	38.5	0	v	KS
30	47.6	52	29.980	46.3 48.2	W $\frac{1}{2}$ N	93	59	45.0	0	v	KS
31	47.9	52.8	30.072	48.2 44.4	N $\frac{1}{2}$ E	37	57	46.5	0	v	KS

44.57 49.52 29.684

54.59 40.75
54.7 40.91

1869	10 AM			Hygro	Anemo		Ombro				
June	E	A	Bar	dry wet	dir	space	Sq	R			
1	57.2	52.8	30.031	57.2	SWW	14	—	—	0	vh	KS aur ^a 51
2	59.8	55.	29.851	59.9	SW	27	—	—	0	m	KS 73
3	58.	53.5	29.826	59.7	WSW	76	—	—	0	v	KS 139
4	54.7	53.5	29.540	59.7	W	133	0.005	0.013	6	v	KS aur ^a 252
5	61	56.	29.710	60.6	SWWS	93	0.211	0.218	0	vs m r	KS 167
6	61.4	58.	30.010	62	SSW	93	—	—	0	v m g	KS aur ^a 11 PM to 0.40 AM 305
7	65.8	58.8	29.970	66.6	SWW	52	—	—	0	v	KS aur ^a 10.40 AM 135
8	54.4	56.2	30.154	54.7	WSW	40	0.087	0.124	6	v	KS 111
9	56.5	55.4	30.100	55	WN	32	—	—	6	v	KS 93
10	53.1	55	30.100	54.4	N	59	—	—	0	v	KS 144
11	52.2	53.2	30.008	53	WSW	28	—	—	0	v	KS 103
12	54.1	53.6	29.611	53	WSW	43	—	—	0	v g	KS 123
13	48.7	53.1	29.299	49	NNE	59	0.270	0.263	0	g r	K 119
14	53.7	51.8	29.350	47.8	W	55	—	0.008	26	v	K KC Greatail 181
15	50.5	52.7	29.421	51.7	NNW	50	0.289	0.366	66	v	KS 301
16	54.9	51.8	29.951	55.9	NW	51	—	—	56	v	KS 111
17	57.7	53.9	29.961	53.6	SW	45	—	0.092	0	g	KC 77
18	53.	54.2	29.884	53.9	NW	50	0.074	0.091	0	g	K 97
19	53.2	55.3	29.773	53.2	NW	61	0.050	0.067	0	g	KC 112
20	56.8	55.	29.820	57.2	NE	38	—	—	0	g	KC 75
21	55.5	55.7	29.832	56.7	NW	26	—	—	0	g	K horizon CS 77
22	55.3	55.8	30.001	56.3	NW	59	—	—	0	v g	KC CS 131
23	58.3	56.1	30.069	59.2	NNW	60	—	—	66	v	KS 111
24	64.4	58.8	29.921	66.1	NW	13	—	—	46		KC 39
25	71.7	61.1	29.946	72.8	SW	16	—	—	0	v	CK. wind E at 7 ¹ / ₂ A.M. 63
26	67.7	62.2	29.934	64.8	NNW	22	—	—	106	m	CS. Km horizon wind W at 7 A.M. 95
27	61.7	62.	30.159	62.9	NNE	66	—	—	6	v	K 139
28	60.8	59.5	30.184	61.3	N ¹ / ₂ W	28	—	—	6	vh	G 108
29	61.8	58.2	30.155	62.2	NNE	33	—	—	6	v	K 102
30	62.	59	30.150	62.7	NNE	35	—	—	9	vh	
	57.51	55.57	29.890				0.986	1.242			

1869	10 P.M.			Hypo	Anemo		Thermo				
June	E	A	Bar	Dry wet	Dir	Sp	Max	Min			
1	55	52.5	29.958	55.4 53.6	SW	46	62	45.0	0	v	KS
2	46.6	52.2	29.873	46.5 44.4	W	63	63	46.5	6	v	KS at N horizon
3	49.8	53.5	29.689	50.1 48.5	SW	119	60	46.4	0	v	KS
4	53.2	56	29.670	53.2 51.2	SW	74	64	48.5	0	v	KS
5	58.3	59	29.889	58.9 57.1	SW & S	212	69	52.0	0	v	KS
6	58.3	58.5	30.011	58.2 56.1	S & E	83	66	58.0	0	v	KS
7	49	59	30.021	48.9 47.1	N	71	69	50.0	0	v	KS
8	46.6	53.8	30.170	46.6 45.1	N	61	61.2	46.5	6	v	
9	46.4	54.6	30.083	46 42.9	N.W.	85	62	44.0	6	v	CK. CS. S.
10	44.2	53	30.076	43.9 41.9	N.W.	75	59.5	44.0	4	v	CK. K
11	47.4	54	29.887	45.1 43.3	N	65	61	42.5	0	v	CK CS
12	50.2	54.9	29.340	50.6 47.3	S.W.	80	59.9	44.3	0	g r	CS.
13	42	53.6	29.352	40.9 38.0	N.N.W.	60	58.8	43.9	10	b v	moon twilight
14	48.9	53.8	29.148	48.5 45.8	S.W. by W	126	61.3	37.0	1	b v	KS
15	43.2	52.1	29.747	41.2 39	N.N.W.	151	56.7	42.1	9	b v	CS about moon & W horizon
16	49.1	54	30.039	46.4 43.2	N.N.E.	60	61	40.8	0		KS
17	51.8	51.2	29.921	52 48.4	W by N	22	66.1	46.0	0	g	KS. wet evening
18	54.1	56	29.800	53.3 50.3	N.W.	47	62.2	50.1	0	g	K
19	50.2	55.1	29.799	49.7 46.8	N.N.W.	51	58.9	51.0	2	b	CS clearing N horizon
20	53.3	58.7	29.850	52.8 50.1	S.W.	37	64.2	49.7	0	g	KS C.S.
21	54.6	57	29.898	52.8 50.1	N.N.W.	51	63.8	48.3	0	v g	CS
22	52.1	57.1	30.058	52.6 49.4	N.W. by W	72	63.2	50.8	0	v g	KS C.
23	57.2	58.7	29.995	55.7 52.5	N.N.W.	151	61.5	50.8	0	v	KS
24	59.8	59.8	29.948	60.5 58.9	E	26	72	55.1	0	g	K
25	59.9	62.2	29.895	60.6 57.8	S.S.W.	47	75.9	58.2	0	g	CS
26	54.6	62.9	30.037	57.7 54.9	S.S.E.	73	71.9	51.0	9	v	S in W horizon
27	49.1	57.5	30.198	49.1 47	N	80	68	51.0	6	v	S
28	49.8	55.5	30.166	49.9 47.9	N.E.	69	67.2	48.0	9	v	h
29	51.1	57	30.149	50.1 47.1	N.E.	70	68	46.0	6	v	h
30	52.9	57.4	30.150	51.1 48.1	N.N.E.	68	70.2	49.0	10	v	h
	51.27	56.10	29.895				63.99 64.3	47.65 47.9			

1869	10 A.M.			Hygro	Aeroma		Ombro		
July	E	A	Bar	Temp	Dir	Space	Sq	Q	
1	61.5	60.5	30.124	62.1 56.2	N	54	—	—	4 v h K 122
2	61.2	61	30.060	62 57.7	NNE	30	—	—	10 v h fog before 7.10 72
3	70.8	63	30.002	71.8 64	N	16	—	—	10 h v? 57
4	67.6	64	29.836	69.1 61	SEW	63	—	—	2 m v? KS BS 139
5	67.4	63.5	29.530	68.2 63.5	S $\frac{1}{2}$ W	158	—	—	0 v h KS showers at 9.30 298
6	62.	63.5	29.652	67.9 67.2	WNW	113	0.075	0.093	0 v KS BS 262
7	71	65.2	29.576	72.8 65.2	SW	109	—	—	0 v KS 190
8	69.5	65.5	29.570	67.7 63.1	SW	195	0.005	0.007	6 v h KS K NW (des) 473
9	62.5	62	29.861	63.5 56	WSW	209	0.054	0.102	3 v q KS K 447
10	65.	62	30.191	65.6 56.9	WSW	123	—	—	0 v KS BS K 3.3 is hazy thin it is 64 317
11	68.	63.5	30.062	68.6 60	S	121	—	—	6 v h K 222
12	61.5	64	29.997	67.9 58.5	W6N	89	—	—	6 v h KS - K 244
13	58.2	61.2	30.106	58.6 52.4	W $\frac{1}{2}$ N	72	—	—	0 v KS 166
14	65.	63.	30.102	66.6 59.6	W $\frac{1}{2}$ S	07	—	—	0 v q KS BS aurora behind cloud at 11 PM - 12.30 184
15	69	63.6	30.132	70.2 64.6	WSW	63	—	—	6 v KS BS 148
16	68.8	64.9	30.058	70.3 63.9	NW by W	43	—	—	10 m filmy BS K NW horizon 86
17	72.7	66.8	29.850	73.9 65.2	S.E	24	—	—	10 m haze C light K 100
18	65.	66.9	29.850	66.3 60.7	N.W	43	—	—	0 m g K 97
19	61.2	64.2	29.969	61.9 56.7	NNW	42	—	—	10 v C 88
20	72.3	64.9	29.921	71.8 63.2	S	12	—	—	10 m slight BS 127
21	70.1	66.8	29.758	72.7 60.9	S	124	—	—	0 v g K . C overhead 264
22	69.3	66.1	29.672	68.8 58.8	SW	90	—	—	0 v K 195
23	68.2	64	29.745	68.2 60.1	S.W	116	0.126	0.134	7 v q H.C p 229
24	67.7	63.8	29.746	68.9 60.9	S.W	106	—	0.021	2 v H pp 206
25	65.6	63.	29.623	67.4 61.2	SSW	82	0.224	0.222	0 v KC p 242
26	60.9	63.1	29.499	61.2 59.8	WNW	145	0.094	0.077	0 r KC p 208
27	64.7	62	29.691	65.6 65.8	S.W	43	0.010	0.010	3 v H p 121
28	62.9	60.8	29.751	63.8 62.8	SW	51	0.068	0.071	4 v H l.t. 114
29	57.9	58.2	29.492	58.9 55.2	S.S.E	107	0.352	0.354	0 g r q H 309
30	58.7	59.6	29.610	58.9 53.1	S.W	164	0.353	0.475	0 r H 309
31	62.8	60.9	29.737	63.1 57.2	S.W	88	0.043	0.046	6 v CSK l.t. h.r. 88
	65.07	62.94	29.823				1.384	1.612	

1869	10 P.M.			Hygro	Anemo		Thermo					
July	E	A	Rar	Bar	Dir	Spe	Max	Min				
1	52.6	57	30	098	52.4	NNE	52	70	51.0	10	v h	49 76
2	57.5	62.5	30	028	57.8	N6E	41	76	53.0	0	v h	52 83
3	61.9	66.	29	909	62.7	S 1/2 E	76	77.5	53.5	0	v h	53
4	59.2	63	29	694	59.9	S	140	74.5	57.5	0	v	
5	58.9	64	29	496	58.8	S 11'	149	72.2	57.0	0	v r	
6	58.6	63	29	767	59.4	N 11' 1/4	81	69.8	57.5	0	v	
7	65	67.5	24	597	64.9	S 11'	218	76.2	58.5	0	v q	
8	54.5	62.5	29	659	54.9	S 10'	238	74	55.6	6	v	
9	55.8	62	30	041	55.3	S 11'	194	68	52.5	6	v h	
10	59.	61.8	30	196	60	SE	101	72	51.0	6	v h	
11	64.9	67	29	930	65.9	S 6 1/2	155	76	56.5	0	v	
12	51.	57	30	053	51.4	N 6 S	94	69	53.0	6	v h	
13	55.9	63	30	158	56.4	N 8 W	77	66	49.0	0	v	
14	58.5	63.2	30	139	58.9	N 1/2 N	129	70	55.5	0	v	
15	62.5	64.3	30	062	63.1	N	85	76.1	58.9	0	v	
16	61.3	66.	29	919	62.9	S. 2 1/2 E	43	79.8	60.2	0	v	
17	62.1	68.	29	849	61.9	W	76	81.	56.0	6	v	
18	56.3	66.6	29	922	56.7	N	54	73.1	57.2	0	v q	
19	54.5	62.1	29	949	54.8	N	46	71.2	52.8	10	v	
20	64.5	66.2	29	862	65.2	S	115	60.1	50.9	10	v	
21	62.9	66.1	29	702	63.5	S	140	76	61.2	0	.	
22	57.1	62.	29	682	57.5	S. W	105	74.9	58.8	10	v	
23	59.5	65.7	29	783	60.4	S W	113	73.9	54.4	3	v	
24	57.1	61.1	29	711	57.2	S. W	100	71.1	47.3	0	g	
25	58.3	64.1	29	499	57.7	S. W	160	66.2	54.9	0	g. r. q.	
26	53.2	62.9	29	600	53.8	N. W	63	69.1	54.8	0	g. r.	
27	54.7	57.9	29	722	54.9	S S W	78	70	53.9	2	v	
28	53.9	61.1	29	737	53.8	S S W	63	69.9	52.0	0	g	
29	57.2	60.	29	395	57.3	S. W	212	65.1	51.0	0	g	
30	60.3	62	29	619	60.8	S. W	145	68.3	54.1	8	v	
31	52.9	57.3	29	600	52.7	S. S. W	—	68.9	54.4	10	v	
	57.69	62.79	29	818				72.25	54.29			
								72.2	54.6			

1869	10 AM			Therm	Anemo		Ombro				
August	E	W	Bar	any wind	Dir	Sp	Sq	R			
1	64.5	59.7	29.492	65.4 59.6	S.W	136	0.196	0.191	2 r	KS	236
2	55.4	58.2	29.661	56.3 51.2	N.W by W	78	0.081	0.083	1	HC	164
3	53.9	56.8	29.509	53.9 60.5	N.E by E	59	0.263	0.278	0 g. r.	K	115
4	59.	57.1	29.759	55.7 60.1	N	16	0.355	0.332	3 v	K.C	50
5	59.3	56.2	30.096	55.2 60.5	N.W	38	0.003	0.005	0 v	K.CS	88
6	59.3	56.1	30.223	52.8 58.2	N.N.W	32	—	—	8 v	HC	Oats reaping 82
7	58.5	58.	29.791	56.2 64.9	S.W	99	—	—	0 v	K Max Pulling r	140
8	63.6	59.3	29.698	59 58.1	N.W by W	71	0.094	0.131	2 v	KS	152
9	58.4	59.9	29.508	54.5 50.9	N.W	92	—	0.210	0 r	K	228
10	53.2	57.2	29.759	57.4 52.6	N.W	98	0.004	0.005	1 r	K	234
11	56.3	56.8	29.909	62.1 56.4	N.W	84	0.132	0.152	1 v	KS	167
12	61.7	55.8	29.861	56.4 53	S.W by W	40	0.005	0.006	8 m	CS	152
13	58.9	58.6	29.751	60.33 55.8	N.W	82	—	0.297	0 v	KS	146
14	58.7	57.8	30.047	63.4 58.7	N.W by W	56	0.228	0.219	0 v	HC	107
15	63.6	59.7	30.110	61.12 55.5	S.W	67	—	—	8 v	KS Robin's cuckoo song	163
16	60.	60.3	30.250	60.5 54.2	N.W by W	26	0.002	0.005	4 v	K	64
17	58.8	58.8	30.296	64 58	W. p. point N	18	—	—	0 v	KS	40
18	62.1	58	30.210	67.8 61.8	S.W	17	—	—	0 m	K.C Wind at 7. A.M. N. at 9.30. S.W.	56
19	66.1	60.2	30.197	67.2 60.5	S.W	21	—	—	0 m	CS 8.10 of N.E. 9.19 N.W. 10.15 S.W.	83
20	65.6	60.1	30.198	65.2 60.2	S.W by W	82	—	—	96 m	C	141
21	63.5	62.2	30.234	61.9 59.2	N.N.W	27	—	—	0	KS Wind S.W at 7. am	64
22	59.8	61.3	30.221	66.3 60.8	N	18	—	0.003	0 f	Laburnum leaves yellow.	76
23	64.7	62.	30.010	62.6 62.2	S.S.W	112	—	—	0 v	K	255
24	67.3	63.2	30.021	71.6 65.1	S.W	88	—	—	86 v	CS	183
25	70.	64.7	30.182	67.2 60.9	S.W	49	—	—	76 v	HC	129
26	65.9	63.3	30.451	62.1 64	S.W	27	—	—	106 m		65
27	66	65.4	30.210	72.4 64.9	N.N.E	49	—	—	106 m		92
28	70.9	65.8	30.001	54 47	N	19	—	—	106 m		109
29	53.1	61	30.101	58.8 56	N.N.E	141	—	—	0 v	KS	321
30	55.2	57	30.238	53.3 48.4	N	38	—	—	106 v		94
31	54.2	55.6	30.298		N	34	—	—	0 v	K Wind at 7. am S.W	86
	60.78	59.20	30.001				1.363	1.917			

1869	10 AM			Hygro	Baromo		Ombro					
September	E	A	Bar	dry wt	Dir	Span	Sgn	R				
1	55.2	56.9	30.510	56.6 51.3	N	39	—	—	1.6		KS	Observed at night 100
2	56.6	56.4	30.531	57.9 56.9	N	46	—	—	0		KS	88
3	57.4	56.8	29.801	58.18 62.2	S	86	—	—	0		KC	238
4	60.3	58	29.694	56.5 64.8	S.E	130	—	—	4 v		C	Rain at night 262
5	63.	60.9	29.484	61.2 61.5	S.E	47	0.043	0.040	3 m		C	Wind N.N.W at 7 A.M. 205
6	59.7	59.9	29.536	62.9 62.9	S.W by W	41	—	—	2 m		C	Slight snow 9 A.M. 141
7	60.8	60.1	29.551	60.1 60	S	79	0.076	0.081	0 r		KC	wet morning 209
8	58.7	59.3	29.471	57 65.9	S.W	138	0.471	0.470	0 m		KSC	257
9	64.2	60.2	29.399	59.1 58.5	S	2198	—	—	4 v		KC	9 A.M. 494
10	58.4	59.3	29.251	58.5 58.5	S.W	223	—	0.013	5 v		KCS	334
11	57.7	56.7	29.183	53.1 54.2	S.W	125	—	0.016	7 v		KC	170
12	53.5	56	29.171	49.4 56.7	W	54	0.743	0.712	9 v		SC	heavy rain at night 165
13	55.4	55.9	29.010	57.3 60.9	W	138	0.160	0.535	0 v		K.C	241
14	59.5	57	29.245	59.9 56.2	S	199	—	0.202	0 r		K	Barom: at Hask. Dillon 22.80 415
15	54.8	56	29.110	54.2 56.6	S.W	185	0.466	0.604	4 v		C	442
16	55.8	56	29.495	52 62.5	N.W	118	0.151	0.271	7 v		K	194
17	60.7	56.4	29.531	59.2 58.7	S.W	101	—	0.040	0 m		K	283
18	57.7	56.8	28.924	54.9 57.2	S.W by S	210	0.236	0.252	0 g		K	445
19	50.3	52.9	28.952	56.6 51.3	S.W	179	—	—	0 g		K	418
20	50.8	53.	29.341	52.9 52.4	S.W	113	0.125	0.222	0 g		K	220
21	51.3	52.9	29.524	49.9 51.2	S.W by W	255	0.032	0.030	2 g		AC	370
22	51.2	51	29.742	51.4 61.4	S.S.W	94	0.072	0.080	0 g		K	309
23	60.1	55.7	29.784	59.5 59.7	S.W	73	0.243	0.305	0 g		KCS	203
24	58.8	57.6	29.784	58.7 63.1	S.W	135	—	—	0 r		K	304
25	61.5	57	29.352	59.1 58.9	S.S.W	183	—	0.007	6 b		S.C	470
26	57.7	56.7	29.581	54.1 54.9	S.W	154	0.130	0.174	4 b		K.C	234
27	56.4	55.8	29.711	52.7 52.7	S.W	99	0.014	0.009	7 b		AC	229
28	51.9	53.8	29.271	50.9 54.4	S.S.E	108	—	0.168	0 m		K	310
29	56.2	54.9	29.298	53.4 57.9	S.E	82	0.449	0.491	0 m		K	165
30	57.7	56.	29.460	57.9	N.E by E	80	0.115	0.149	0		K	138
	56.65	56.11	29.475				3.526	4.891				

1869	10 P.M.			Hygro	Anemo		Thermo				
Sept	E	A	Bar	wet	Dir	Sp	Max	Min			
1	49.1	57.9	30.372	50.3	N	61	59.9	48.1	0	g.	K
2	50.1	57.9	30.161	49.2	N.W	42	63.1	50.2	0	g.	K
3	56.1	59	29.842	53.9	S	152	65.2	51.0	6 0	g v	C
4	54.9	60.9	29.602	53.3	S.E.	137	66.0	51.7	0 v	g.	K rain in the night
5	54.9	62.1	29.492	53.2	S.W	158	69.3	51.9	10 v	g.	S slight aurora
6	53.1	59.7	29.535	53.6	S.W	100	68.4	53.7	0	g	K ralla afternoon. Stars g to 10
7	60.3	61.8	29.393	53.1	S.W	130	65.4	52.9	0 r	g v	K
8	54.9	58.7	29.410	52.2	S.E	119	65.8	55.0	10 v	g v	S slight - Stars
9	59.2	62	29.221	52.9	S.S.E	275	70.0	52.1	0 v	g v	K S
10	51.1	55.7	29.160	51.3	S.W	111	63.1	52.0	9 v		C in S.W horizon
11	50.4	57.5	29.051	50.1	N.W	45	63	47.0	0 r		K aurora
12	51.1	55.9	29.110	51.2	S.W	111	53.8	47.9	8 v		C B horizon
13	49.9	55.3	29.511	49.2	S.W	103	60.2	44.3	4		C
14	51.9	57.2	29.285	50.3	S	216	64.1	49.0	10 v	g	K horizon
15	53.6	56.	28.951	53.9	N.W	257	65.9	51.1	8 v	g	C B. Aurora streamers N
16	51.7	57.1	29.492	51.9	W	76	62.2	50.8	6 v		S
17	54.6	57.9	29.198	54.9	S.S.W	182	67	50.9	8 v		CK at 4 p.m. r.
18	49.5	56.5	28.901	50.4	N.W by W	235	63	50.4	7 v		Horizon C B
19	48.9	53.4	29.251	48.9	W	239	54.1	43.9	6.6 v		K B
20	47.7	53.2	29.372	47.1	S.W	107	58.8	43.8	10 b. v	clear moon	C slight
21	54.3	51	29.593	46.8	W. S. W	1120	59.3	44.9	9 b v	Halo D.	C
22	56.5	55.2	29.710	45.2	S.W	215	59.2	43.3	16	v	C B
23	58.6	57.8	29.842	44.1	S.W	130	65.4	55.9	8 b v		S
24	59.3	69.6	29.661	56.9	S.W	179	66.9	56.2	0	g	K B
25	54.2	57.6	29.362	55.8	S.W	287	65.2	52.9	2 v	g	K B
26	47.9	55.8	29.743	58.6	S.W	80	60.9	48.3	1 m	moon hazy	SC
27	50.9	55.8	29.572	60.7	S.W	130	60	47.0	0		C
28	55.7	55.7	29.084	48.1	S	210	57.9	48.0	0	g.	K
29	56.1	56	29.361	54.8	S.E	83	60	50.9	0 m	g.	K
30	55.7	56.8	29.386	56.3	N.E	58	61.4	54.8	0 m	g	K
	52.91	57.11	29.454	56.1			62.30	49.57			
				55.9			62.7	50.0			

1869	10 AM			Hygro	Anemo		Ombro				
October	E	A	Bar	dry wet	D	S	Sg	R			
1	58.8	58.4	29.444	60.2 56.5	SS.E	104	0.152	0.167	3 b	HC	229
2	56.4	58.8	29.521	58.3 56.6	E	28	—	—	1 f	HC	69
3	56.2	55.7	29.721	57.2 55.8	N.E by E	12	0.039	0.034	0 f	K	27
4	56.6	55.5	29.821	57.1 56.6	E	36	0.004	0.006	4 b	SC	166
5	60.7	57.7	29.860	62.2 58.3	S	113	—	—	0 m g	KS	230
6	58.6	56.8	29.845	58.6 58.8	S.E	109	—	—	0 m	HC	last swallows seen 238
7	57.6	56.6	29.860	56.2 60.6	S	117	—	—	0 m	K	catching 220
8	59.4	57.9	29.851	59.6 60.	S.W	69	0.035	0.033	0 r	KS p.	78
9	58.7	58.8	29.978	59 61.1	E	13	0.003	0.003	7 b	Wind S.W at 7 AM	80
10	65.7	61.2	29.878	61.9 65.1	S.S.E	68	—	—	4 b	CS	210
11	63.7	61.8	29.859	65.3 62.9	SSW	181	—	0.003	2 b	KS	309
12	61.3	61.	29.837	61.1 58.	S.W	181	0.003	0.005	0	HC	300
13	49.	67.	29.921	49.8 49.6	W	113	0.117	0.129	7 b	C	P.P. 225
14	49.9	52.1	29.959	47.1 53.7	S.W by W	89	0.014	0.019	0	C	P.P. 199
15	52.6	53.9	29.479	52.7 50.7	S.W	129	0.286	0.398	0	K	289
16	39.9	48.6	28.974	39.7 40.6	N.E by E	141	0.398	0.445	0	K	P.P. 291
17	41.1	45.6	29.711	38. 47.5	N.W by W	102	0.085	0.079	3 b	KS	212
18	47.1	48.9	29.203	45.8 41.1	S.W by W	113	0.212	0.260	6 b	CS	P.P. 207
19	41.3	57.2	29.794	35.5 45.7	N.W.N.E	104	0.085	0.183	0	K	260
20	45.2	44.3	29.938	44.6 55.6	S.W	107	0.014	0.012	0 m g	K	241
21	54.1	47.2	30.159	51.9 49.7	NNW	55	—	—	0 v	KS	black horn 107
22	48.5	49	30.337	46.3 51.2	W	41	—	—	0 m g	K	131
23	50.7	49.7	30.087	51.6 51.2	S.W	144	0.016	0.023	0 r	K	
24	49.4	51.8	30.159	45.9 47.9	N.W by W	67	0.015	0.029	0 m	CK	
25	47.3	47.8	30.089	45.8 41.4	S.W	55	—	—	0 m	K	191
26	41.4	45.9	29.995	38.1 38.4	NN.W	104	0.061	0.104	5 b v	K	stuck 215
27	38.1	44.	29.883	35.6 41.2	N.W by N	95	0.104	0.118	4 b v	K black.C	stuck 181
28	40.9	43.3	29.907	38.1 43.1	NNW	82	—	0.014	8 b v	CK	snow on hills 158
29	42.7	43.9	30.167	42.4 50.5	N.W by W	20	—	0.013	0 r	K	72
30	49.9	46.8	30.633	47.4 51.5	NNW	97	0.103	0.100	0 g	KS	176
31	30.6	47.9	30.144	39.3 50.3	W	65	—	—	0 d g	K	155
	50.29	52.24	29.853				1.746	2.179			

1869	10 P.M.			Hygro	Anemo		Thermo				
October	8	A	Bar	dry wet	D	S	Max	Min			
1	52.5	57.2	29.501	52.7	Sby E	125	64.1	51.6	10	b	CS
2	53.2	57.1	29.601	52.9	E	41	62	49.2	0		C
3	51.4	56.9	29.860	51.5	S	15	63.7	50.4	8	b	v
4	55.4	58.9	29.871	54.8	E	70	62.9	47.9	0		K
5	56.3	57.8	29.909	55.9	S.E	117	65.4	55.0	0	m	CS
6	54.2	56.8	29.910	54.7	S.E	138	63.3	53.4	2	b	v CS slight
7	58.6	58.9	29.869	57.5	S.W	103	64.8	54.3	0	m	g K
8	57.2	61.3	29.921	57.3	S.W	9	66	55.5	10	v	
9	57.3	60	29.860	56.1	E	67	70	55.0	10	b	v
10	62.8	61.8	29.804	63.9	S	143	70	55.2	8	b	v Aurora light N. Dark K in E & W horizon
11	58.2	60	29.834	58.7	S	128	68.1	58.5	0	g	v K & r at night
12	54.1	60.8	29.761	55.8	W	110	67.1	55.0	9	b	v CS r 3 AM
13	43.3	51.2	29.972	43.4	S.W	112	57.2	43.8	8	b	v CS
14	50.5	53.9	29.703	50.5	S.W	110	52.2	42.2	0	r	g S r nearly all day
15	50.2	54	29.111	50.4	S.W	160	57.9	49.9	5	b	v SC
16	38.6	47.9	29.473	38.8	NNW	150	58.2	38.9	6	b	m S moon hazy
17	41.7	47.2	29.422	41.7	S	110	47	34.3	0	r	g K
18	42.8	48	29.472	42.6	NNW	94	54.9	41.3	1	b	v K & p.p.
19	36.3	43.9	30.003	36.3	NW	96	45.9	34.8	6	b	v C pp
20	50.2	47.6	30.004	50.2	S.W	134	55.1	37.2	0		g K & B
21	49.3	49.8	30.264	49.7	NW	52	57.2	47.2	0		g K & B
22	45.9	49.1	30.212	45.9	S.W	90	52.6	45.0	8	b	C
23	50.3	51.1	30.065	50.4	NW	121	56.8	45.4	6	b	v KCS
24	41.6	49	30.161	41.1	NW	65	54.3	42.0	9	b	v S horizon, moon clear
25	43.7	48.3	29.844	43.5	W	136	52.0	40.2	5	b	v C
26	39.1	45.1	29.872	39.9	NNW	11	47	36.1	0		g K
27	34.7	42.8	29.849	34.6	N	86	44.3	34.3	8	v	g C
28	39.9	43.4	30.049	39.8	NW	76	45	34.4	10	v	
29	47.4	45.2	30.061	47.2	NW by W	52	50.9	38.7	0	g	K
30	42.1	47.8	30.122	42.5	NW by N	79	53.8	47.3	0	g	K Aurora behind clouds
31	45.9	48.1	30.161	45.8	W	90	56	45.0	8	b	v K & B Aurora 2. A.M.
	48.33	51.81	29.855				57.29	45.45			
							57.6	45.8			

1869	10 AM			Hygro	Anemo		Ombro					
November	E	A	Bar	dry wet	D	S	Sq	R				
1	51.7	47.9	30.122	52.2 51	N.W. by W	142	—	—	16	r. q	K.C.S	Aurora 277
2	51.7	49.8	29.958	52.6 49.7	S.W	162	—	—	0	q	KS	403
3	48.1	48.9	29.814	48.9 43.9	S.W by W	—	—	—	0	m	K	—
4	42.8	47.2	29.444	43.5 43.2	W	194	0.075	0.150	56	v q	CK	380
5	43.4	45.9	29.405	41.9 41.6	S	81	0.211	0.265	0	r	K	p.e. r. 215
6	41.3	49.1	29.519	42.1 43.6	S.W	101	0.012	0.519	46	v	KC	195
7	41.7	43.9	29.699	43.9 38.9	S.W	77	—	—	0	r	KS	279
8	43.2	46.	29.627	38.1 38.1	W.N.W	155	—	0.042	86	q	KS	350
9	39.7	44.	29.672	38.9 32.9	N.W	59	—	—	66	v	CS	168
10	34.7	40.1	29.838	32.9 35.2	S.W	97	0.014	0.021	26	r	KC	slight snow on ground 270
11	34.9	38.9	30.112	41.6 39.8	S.W	52	half frozen 0.019	0.031	86	v	CS	121
12	41.3	39.9	30.011	39.8 52.7	S.W	101	0.061	0.064	0	v	KS	333
13	52.4	45.8	29.546	51.3 48.4	S.W	196	1.022	1.341	0	r. q	K	455
14	50.3	48.9	29.632	30.5 50.6	S.W by W	190	(D)	0.015	66	v	KC	447
15	50.	48	29.569	48.6 46.7	S	131	—	0.088	0	q r	K	392
16	47.3	49	29.629	44.4 42.3	S.W	172	0.067	0.244	86	v	KC	317
17	43.8	44.2	29.950	33.9 40.5	S	155	—	0.017	0	v	K	p 435
18	54.9	51.2	30.032	40.5 44.9	S	248	—	—	0	q	K	p 406
19	48.9	49.1	30.130	38.9 46.7	W	176	—	0.073	26	v	K	p 307.
20	38.6	42.2	30.200	37.9 46.7	S.W	61	—	0.021	86	v	C	129
21	46.	46.6	29.895	36.2 36.5	S.W	134	0.013	0.012	0	d g	K	341
22	36.4	42.1	29.150	36.5 37.3	S.W	94	0.194	0.373	106	m	—	137
23	37.1	41.2	29.345	37.3 40.5	N.W	95	0.074	0.082	0	d	KS	Elms still green 219
24	37.3	40.6	29.750	40.5 40.2	N.N.W	49	0.010	0.025	106	v	—	98
25	40.4	40.1	29.549	40.2 40.9	S.W by S	163	0.072	0.116	0	r	K	320
26	40.9	42.2	29.501	40.1 39.7	S.W	145	0.411	0.498	46	v	KS	311
27	39.3	41.2	29.411	39.5 38.8	S.S.W	92	0.021	0.099	0	f	KS	106
28	39.3	40.6	29.449	34.2 34.9	W	94	—	—	86	v	KCS	219
29	34.4	38.	29.559	32.9 32.9	S.W	73	—	—	0	f	K	All leaves off. 114
30	34.9	36.6	29.738	32.9	N.W	60	—	—	—	—	—	165
	42.44	43.97	29.708				2.276	4.876				

1869

10 P.M.

Hygro

Anemo

Thermo

Novemb

E

A

Bar

Dry
wet

D

S

Max

Min

1	52.8	50.1	30.122	53.1 51.9	NW by W	13.5	56.2	44.9	0	g	K	Aurora
2	53.9	50.9	29.690	53	SW	241	55.9	47.0	0	g. d. v.	K	
3	52.1	50.5	29.411	52.2 50.9	SW by W	116	56.8	44.2	66	g	CS	Faint aurora NW
4	41.6	45.2	29.583	41.5 40.2	WNW	190	55	40.7	0	v	CS	
5	44.2	48	29.238	44.6 43.4	NW	134	54.9	40.3	0	g	K	
6	37.3	44	29.694	36.5 35.4	S.W	94	57.8	37.3	86	v	K	
7	51.8	46.7	29.448	49.6 47.6	W	202	51.8	38.5	66	v	C	
8	41.1	55.8	29.661	41.3 39.2	NW	195	52.2	39.9	0	g	K	
9	36.2	42.2	29.822	36.7 34.7	N.W	69	44.9	34.1	106	v		
10	32.9	37.9	30.011	32.7 31.9	NNW	80	41.7	31.9	106	v		2 falling stars 3: A.M
11	31.9	40.8	30.100	31.5 30.3	S.W	69	45.3	31.1	96	h	CS	aurora to N
12	48.7	40.3	29.955	48.3 47.8	S.S.W	232	50.9	31.1	0	r	K	Light flashes behind cloud
13	54.9	49.7	29.548	49.8 44	S.W	259	57.1	45.2	0	d	K	Only 1 falling star
14	44.1	49.1	29.743	43.2 52.9	S.W	257	57	43.9	96	v	C	No stars falling
15	52.6	49.7	29.405	50.7 49.16	S	261	57.1	43.9	0	v	CS	
16	39.6	45.1	29.861	39.4 37.5	S.S.W	145	55.9	39.9	106	v		
17	51.3	49.7	29.949	51.2 50.2	S.W by S	280	53.9	37.8	56	g	CS	
18	52.7	54.7	30.061	53 40.5	S.W	158	59.1	51.0	86	g	C	
19	40.7	46.4	30.239	40.1 37.9	W	131	56.1	45.2	66		CS	
20	37.9	45.2	30.221	37.6 44.2	S.W	68	46.8	35.7	56		C	Halo round misty moon
21	44.8	47.8	29.273	42.8 31	W	207	57.2	37.9	36	d	K	
22	31.2	37.9	29.221	31.1 36.2	NW	43	47.8	31.5	86		C	
23	36.2	36.2	29.539	36.4 31.6	NNW	124	41.9	31.3	56	v	CS	
24	31.8	38.7	29.700	30.9 44.5	S.S.W	49	42.8	31.1	106	v		
25	44.1	43.7	29.451	43.7 40.7	W	157	51.8	31.3	66	v	KC	
26	39.9	42.2	29.512	39.9 38.1	SW by W	166	47	37.3	26	v	KC	
27	38	41.8	29.410	38 37.4	S	12	45.2	35.2	8	f	K	
28	31.6	39.2	29.738	32 34.8	W	125	43.3	30.9	10	v		Brilliant stars
29	34.9	37.9	29.401	33.9 34.8	NNW	20	38	31.3	0	g. r.	K	
30	34.9	38	29.949	34.5	NW	105	39.9	28.0	0	g. r.	K	

41.68 44.41 29.692

50.24 27.31

50.7 37.01

1869	10 AM			Hygro	Anemo		Ombro		
December	E	A	Bar	Wet	D	S	S	R	
1	34.5	39	30.051	32.79	NNW	52	—	—	86 CS slight snow on ground 218
2	33.6	35.9	29.683	34.5	SSW	82	—	—	0 sg K D° 218
3	37.4	38.7	29.899	36.9	E	101	0.431	0.893	0 mg K Snow quit gone 159
4	29.3	33.2	30.029	28.9	E	16	—	—	56 m CS 69
5	31.5	35.3	30.439	31.4	N.	12	—	—	106 f 51
6	31.6	35.9	30.451	31.10	N	2	—	—	0 f K 52
7	28.9	36.9	30.100	27.4	NNW	66	—	—	0 K 186
8	40.8	39.	29.734	41.1	NE	135	—	—	0 g K 195
9	39.3	39.5	29.752	39.3	NE	15.	—	—	0 f.g K 42
10	43.4	41.2	29.451	43.2	SSW	185	0.038	0.046	0 r.g K 522
11	36.7	40.6	29.150	36.3	SW by S	94	0.752	1.233	9.6 v CS 190
12	36.5	39.1	29.049	36.2	S.W	181	0.016	0.015	106 m 343
13	47.5	44.8	28.601	45.3	S.W	340	0.125	0.240	0 q K 748
14	36.9	40.8	29.030	36.9	S.W	176	0.199	0.447	0 T KS 539
15	34.2	39.1	29.014	34.2	S.W	198	0.253	0.431	2f Snow on ground KCS 343
16	39.9	39.	29.189	39.7	S.S.W	231	0.275	0.230	0 B? gone m K 361
17	36.3	37.4	29.350	36.2	S.W	201	0.000	0.052	10.6 KS 355
18	52.7	45.2	28.911	53.4	SSW	270	0.405	0.573	0 r.g K 519
19	37.7	40.5	29.041	37.6	S.W	278	0.000	0.431	76 q C 500
20	35.8	41.7	29.230	35.2	S.W	185	0.437	0.259	106 314
21	31.2	37.1	29.324	31.4	S.W	80	—	—	46 KC 129
22	36.2	41.7	29.694	35.74	NW by N	48	—	—	106 150
23	37.7	38.7	30.039	36.9	N	70	—	0.085	76 KS 131
24	30.9	40.1	30.122	30.7	N	25	—	—	106 m 44
25	30.4	35.7	29.807	30.9	N	26	—	—	56 f CS 45
26	32.	33.8	29.653	31.3	N	14.5	—	—	86 v KCS a few snowflakes 222
27	29.7	32.5	29.769	29.2	NNE	127	—	—	106 v Snow 2 inches deep on ground 176
28	25.3	29.6	29.764	24.92	S.W	82	—	—	86 v D° CS 328
29	38.3	35.8	29.504	38.6	SSW	180	0.185	0.102	0 g.g. H. Snow half thawed. 525
30	43.7	41.1	29.989	43.0	S.S.W	393	—	0.957	0 g.g. K snow gone 723
31	37.5	40.8	29.120	36.9	S.W	222	0.171	0.300	66 SC 362
	35.89	37.88	29.542				2.967	6.312	

1869	10 P.M.			Hygro	Anemo		Thermo				
December	E	A	Bar	wet }	Dir	Sp	Max	Min			
1	33	37.8	29.961	33	SW by W	28	40	32.0	0	g	K
2	37.4	37.	29.656	31.9	S	136	40	29.1	0	r g	K
3	28.1	36.9	30.040	36.8	E	58	41.2	28.4	10	c	
4	37.9	37.1	30.049	27.9	E	52	40.2	25.0	0	d	KB Fine Aurora N
5	27.6	35.8	30.448	27.9	NW	9	41	27.3	0	f.	K
6	37.9	36.1	30.210	26.7	NW	50	40.9	24.8	0		KB
7	40.	38.8	29.900	27.13	NE	120	42.8	35.9	0	f.	K
8	44.8	39.2	29.701	27.25	N.E	60	44.8	38.1	0	g m	K
9	39.6	39.9	29.751	26.1	S	29	54.8	38.1	0	g f	
10	40.3	44.7	29.068	26.7	NW	337	49.7	37.2	0	r. g. e	K
11	34.5	40	29.130	33.7	S by SW	96	44.8	32.2	10 b	bright moon + stars	
12	38.2	40.4	29.009	38.13	SSW	162	44.1	31.9	4 b	q moon hazy	C
13	42.6	43.3	28.649	42.6	W	428	50.9	37.5	0	e D.	KB
14	36.9	40	28.951	41.2	S	163	45.3	34.3	0	e d	KB snowfall
15	33.4	38	29.442	36.8	S.W	145	45.9	33.8	6 b	Halo round moon some snow lying	
16	39.3	40.1	28.969	35.4	W	130	43	32.4	5 b	q p	C hazy moon
17	39.8	41.1	29.372	39.3	S	155	42.8	32.2	0	g. e t.	K
18	39.1	42.2	28.839	39.8	S.W	249	54.9	38.8	10 b	q Clear moon stars very bright	
19	37.9	41	29.129	39.4	S.W	222	43.8	35.2	0		K
20	37.8	39	29.215	37.2	S	139	41.8	31.9	10 b	Clear bright moon + stars	
21	35.6	38.3	29.452	31.14	NNW	49	38.	28.3	0	g	K
22	33.8	38.1	29.853	31.5	N	102	42.8	31.1	10 b		
23	33.8	37.9	30.039	35.2	N	61	42.9	32.8	10 b		
24	31.	37.2	30.000	32.5	N	19	38.1	27.2	10 b		
25	31.4	35.8	29.734	30.5	NNW	20	36.9	26.4	3 b		K
26	24.2	32.1	29.700	31.4	NNE	77	35.1	20.2	6 b	snow on ground	K Hills white
27	19.3	31.3	29.811	23.8	SS E	49	33.7	19.8	10 b	v D.	
28	33.8	33.1	29.700	22.2	S.W	146	36.9	18.9	0	d g	K
29	45.2	40.7	29.319	19.4	SS.W	345	47.3	32.1	0	g g	K Snow gone
30	48.7	41	29.049	18	SW	330	44.2	38.3	7 b	g	CS
31	40.4	40.2	28.940	45.3	W	140	45.1	36.1	0	+ g	K
	35.37	38.22	29.518	43.2			42.53	31.2			

