

1872	10 S. M.			Hygro	Anemo		Ombro				
January	F	H	Bar.	dry/ wet	Dir.	Space	Sq.	R			
1	44.4	42.9	29.508	44.4 43.9	S	478	—	0.227	0	g.g.	K
2	39.9	40.8	29.246	39.9 38.2	SW	304	0.009	0.048	6.8	0	SC
3	35.4	38.9	29.220	35.4 34.9	S	140	0.021	0.054	68	C+K	S
4	36.2	39.3	28.896	36.2 35.2	SW	273	0.246	0.341	0	K+K	S
5	31.4	38.3	28.612	31.4 33.3	W	109	0.289	0.289	65	V K, K, & C.	Snowed in night (slightly)
6	35.8	37.5	29.007	35.8 34.6	SW	253	0.034	0.054	69	large K	
7	34.3	36.2	28.970	34.3 33.3	S	203	—	—	0	K	
8	34.3	36.3	29.092	34.3 33.7	SW	90	Frozen	Frozen	610		
9	38.2	37.0	29.461	38.2 37.0	WN	96	0.054	0.063	64	V K+K	
10	40.3	36.7	29.570	40.3 39.5	SE	167	0.135	0.143	0	K	K
11	44.6	42.8	29.392	44.6 44.3	SW	178	0.116	0.156	67	K+K	S
12	44.8	41.0	29.592	44.8 42.3	S	163	0.007	0.017	0	K+K	S
13	50.0	45.0	29.218	50.0 48.2	S	226	0.409	0.478	0.9	K	
14	38.8	43.0	29.638	38.8 37.2	W	176	0.192	0.348	610	V	
15	44.5	44.2	29.498	44.5 39.8	S	271	—	—	0	g V K+K	
16	36.2	39.4	29.526	36.2 36.2	S	104	0.068	0.106	0	K	
17	47.7	44.0	28.760	47.7 47.9	S	223	0.525	0.685	0	V g K	
18	37.7	42.5	28.520	37.7 36.8	SW	318	0.309	0.510	68	K	
19	35.3	39.2	28.992	35.3 34.7	S	206	0.036	0.082	610	V	
20	37.2	37.4	29.310	37.2 37.4	SW	66	—	—	63	K	
21	37.8	36.5	29.406	37.8 36.0	SW	55	—	—	0	C+K thick haze.	
22	36.5	37.0	29.226	36.5 35.8	WN	69	0.011	0.030	0	K thick haze.	
23	42.8	40.3	28.478	42.8 42.3	E	174	0.205	0.276	0	K	
24	31.8	38.2	28.352	31.8 31.0	ES	50	—	—		fog.	
25	42.0	40.3	28.580	42.0 42.2	NEE	65	0.332	0.378	0.9	K+K	Many birds singing
26	40.8	40.8	29.264	40.8 40.2	WN	74	0.032	0.038	65	K	
27	38.0	40.6	29.732	38.0 38.3	W	98	—	0.003	61	K+K	
28	41.8	39.0	29.584	41.8 39.2	SE	86	—	—	60	K	
29	48.6	43.7	29.238	48.6 48.8	S	231	0.407	0.523	0	K	
30	49.2	46.3	29.162	49.2 46.8	S	326	0.034	0.095	0	g K	
31	49.8	46.0	29.153	49.8 46.8	S	257	0.002	0.003	0	g K+K	
	39.81	40.46	29.176				for 1st 3.476 3.227 3.703	4.947			

1872

10 P.M.

Thyro

Anemo

Thermos

January

E

L

Bar.

Thyro
dry
wet

Dir.

Sp.

Max

Min

6.10 v. g stars bright moon rising watery

6.10 v

0 g g r k

0 g k

63 k

69 k

0 g k

69 k

62. fog. k.

0 k

68. k Stars dim.

0 g k

67 k

0 k

0 g g k

0 g k

64. g Cok

6 k

610. Moon.

0 thick fog.

0 g. s k. s

0 v. k.

0 v k

0 k

0 k

610. D

0 k + k. s.

0 g k

63 C + k.

0 g. r k

39.12

41.02

29.151

46.21+

34.66

1872	10 A.M.			Hygro	Anemo		Ornbo		
February	E	R	Bar.	Drift wet	Dir	Sp.	Square	Round	
1	45.3	46.5	29.058	45.4 42.2	SWbS	320	0.942	1.198	h10. v. qf
2	42.8	44.0	29.150	43.0 41.3	S	221	0.141	0.213	h10. v
3	42.8	42.8	29.381	43.0 40.2	SE	228	—	—	h3 C&CS.
4	41.1	40.8	29.314	41.7 38.6	SE	242	0.152	0.238	h1 C&K, KS. qf
5	43.3	43.5	29.120	43.5 42.3	S	211	0.215	0.221	h6 v. KS.
6	45.2	43.7	29.322	45.6 44.2	SEW	241	0.044	0.029	0 v K&KS
7	41.8	42.3	29.644	41.8 40.7	S	56	0.008	0.007	h2 v. K&KS
8	45.2	44.0	29.625	45.8 43.4	SEbS	124	—	—	0 K&KS.
9	47.4	45.6	29.392	46.7 43.3	SE	306	0.250	0.257	0 K
10	47.8	46.0	29.391	46.5 44.3	SE	221	0.062	0.077	0 K K
11	44.2	44.5	29.492	44.3 43.3	SE	136	—	—	h10. v.
12	45.3	46.0	29.254	45.8 45.0	E&N	185	0.078	0.105	0 K K
13	46.8	45.8	29.338	47.3 45.0	SE	185	0.557	0.543	0 K qf K
14	46.2	45.6	29.404	46.7 45.2	SE	138	0.178	0.155	0 g K
15	43.2	44.6	29.178	43.8 41.3	E	179	0.011	0.012	0 v. K&KS.
16	39.5	43.8	29.380	39.8 38.5	SEW	160	0.219	0.204	0 K K
17	41.0	41.8	29.307	41.2 40.0	SEW	174	0.014	0.012	h2 v. C&K
18	38.7	41.2	29.260	38.7 37.8	SEbS	168	0.011	0.020	h8 v K
19	40.0	41.5	29.326	40.3 38.8	SE	169	—	—	h6 v K
20	43.0	42.0	29.388	43.2 41.3	SE	186	0.006	0.013	h5 v C. K & KS
21	41.2	42.0	29.640	41.3 39.8	SE	127	0.044	0.029	h10 v. Looks engine
22	47.6	45.0	29.485	48.2 46.7	SE	248	—	—	0 K
23	42.8	44.0	29.476	43.2 42.0	SE	88	0.007	0.016	h9 v K
24	39.2	44.8	29.020	39.7 38.7	S	262	0.515	0.417	0 K & KS
25	48.0	44.8	29.033	48.3 45.8	SE	166	0.210	0.270	h6 v K
26	42.8	45.0	29.568	43.3 42.0	NE	116	0.003	0.005	
27	38.6	41.7	29.454	38.8 37.3	NE	19	0.003	0.003	h2. large K&KS
28	43.3	42.3	29.578	43.8 39.6	SE	180	—	—	0. qf. K&KS.
29	50.3	46.0	29.176	50.5 50.5	SW	179	0.233	0.301	0 K K
	43.96	43.85	29.379				3.855	4.392	

1872	10 P.M.			Hygro.	Anemo		Thermo		
February	E	SE	Bar	drift miles	Dir.	Sp.	Max	Min	
				44.8 44.2 39.7	S	304	52.7	43.5	o w g K
	1 44.6	46.8	28.882	38.2	S	219	49.6	37.9	106 slight L on E horizon
	2 40.3	44.9	29.423	38.8 37.2	SE	312	48.0	36.5	106.
	3 39.0	42.8	29.182	43.2 41.7	SE	279	48.6	35.5	9th. KS. Very bright auroral display - red chiefly
o	4 43.3	43.8	29.316	43.8 41.6	SE	225	47.5	41.6	o of KS. g. K.
	5 43.6	44.2	29.212	40.2 39.3	S	155	51.5	39.8	66. K + KS.
	6 39.8	41.6	29.500	42.8 41.8	SE	137	49.0	34.8	610 v.
	7 43.0	44.7	29.638	46.7 45.2	SE	182	49.0	40.7	o K + KS.
	8 46.3	45.2	29.561	45.8 43.2	SE	223	52.7	43.7	61. v K
	9 45.6	46.0	29.403	45.7 44.0	SE	190	51.6	45.3	o K + C. A few stars seen
	10 45.3	46.0	29.440	46.2 45.6	SE	123	51.4	40.2	o r K
o	11 45.8	46.6	29.326	45.2 44.3	SE	197	49.4	45.0	o m K
	12 45.0	45.8	29.294	46.3 44.6	SE	215	50.0	44.3	o w g K + KS.
	13 46.2	46.0	29.372	45.5 43.2	SE	167	47.6	43.6	o K + KS.
	14 45.0	45.2	29.406	43 41.5	SE	103	48.3	41.6	o K
	15 42.8	45.0	29.498	36.3 35.8	SW	165	47.2	36.5	NO. v. Moon
	16 36.3	44.5	29.361	39.4 38.2	SW	221	48.0	35.0	o v K (flicker)
	17 39.0	43.0	29.178	36.5 35.8	SW	161	48.0	36.2	62 v. K
o	18 36.7	42.3	29.240	36.3 35.3	SW	155	49.2	36.6	o C. C. K. Halo round Moon.
	19 36.3	41.6	29.392	35.6 34.8	SW	208	50.0	34.8	67 v. K + KS. Moon very clear.
	20 38.4	42.0	29.494	42.3 40.4	S	134	49.5	36.2	20. K
	21 42.3	44.2	29.700	40.2 39.8	SW	225	51.7	40.6	69. v. KS in horizon. Halo early in evening
	22 40.2	44.3	29.520	43.2 41.8	SE	133	49.0	38.3	o K. Halo round Moon
	23 43.2	45.0	29.292	48.3 47.8	SW	180	52.0	41.3	o H. K
	24 48.2	47.2	28.744	44.1 43.3	NE	155	52.4	41.4	o K
o	25 43.9	46.3	29.218	39.8 37.6	ENE	113	48.2	39.6	o K + KS.
	26 39.6	43.0	29.864	38.8 35.2	S	104	46.6	35.5	o K
	27 38.5	42.2	29.856	47.8 46.6	SE	266	49.8	38.6	o K + KS.
	28 47.3	45.3	29.344	46.0 45.9	SW	106	54.2	45.7	o K
	29 45.6	46.2	29.269						
	42.45	44.54	29.385				49.82	39.51	

1872	10 A.M.			Hydro	Anemo.		Ombar.			
March	E	N	Barom.	dry } wet }	Dir	Space	Square	Round		
1	49.8	46.5	29.429	50.3 49.6	SW	90	0.195	0.215	0	W
2	49.7	47.0	29.552	50.3 49.8	SW	200	—	—	0	g W
3	49.4	48.0	29.762	49.8 47.3	S	227	0.175	0.231	62	g K & C First celandine in blossom.
4	52.0	49.6	29.748	52.7 50.0	SE & S	253	—	—	61	v. K
5	51.2	51.0	29.630	51.6 49.2	SW	186	—	—	0	W
6	53.3	50.3	29.486	53.8 48.8	SW	239	—	—	75	v. C & K
7	50.1	50.3	29.095	50.6 46.8	SE & E	183	—	—	61	K & K
8	49.6	50.0	29.082	50.2 47.8	SW	173	0.014	0.086	61	v K & K.
9	44.0	46.2	29.724	41.2 36.8	WN	150	0.014	0.105	69	v. K in flower
10	43.0	43.3	29.924	43.7 39.6	SW	133	—	—	0	v K
11	49.6	47.0	29.748	50.3 49.2	S	202	0.047	0.061	0	W
12	47.8	47.0	29.658	48.3 46.8	SW	199	0.320	0.398	0	K & K.
13	46.7	45.0	29.440	47.5 44.8	SW	204	—	—	0	g K & K
14	48.2	46.3	29.033	48.4 46.2	S	181	0.030	0.035	0	W
15	47.6	45.6	29.383	48.0 45.6	S	43	—	—	0	K
16	53.0	47.8	29.588	53.8 51.0	SW	148	0.145	0.198	0	W
17	53.3	49.3	29.538	52.4 50.6	SW	222	0.027	0.038	0	g K & K
18	48.0	46.3	29.627	48.4 43.8	WN	190	0.027	0.030	64	g K
19	44.2	46.2	29.870	44.7 40.0	N	125	—	—	62	K & K.
20	44.7	45.0	29.751	41.9 38.3	NE	28	0.002	0.013	62	K & K.
21	36.0	44.2	29.658	36.3 32.0	NE	78	—	—	85	v. W
22	39.0	41.0	29.786	37.8 36.8	N	92	—	—	0	v K
23	37.4	40.3	29.810	38.2 35.9	N	134	0.021	0.009	0	W
24	37.7	40.0	29.534	38.3 34.7	NE	136	0.003	—	0	W
25	37.7	40.0	29.468	38.2 35.5	NE	39	0.031	0.019	61	v. W
26	40.6	41.1	29.278	40.4 37.0	SW	51	—	0.036	68	v. W haze
27	37.6	39.0	29.108	37.8 35.6	ENE	53	0.023	0.016	0	W light zenith
28	40.1	39.8	28.981	40.6 38.1	NE & N	56	0.048	0.089	0	W
29	52.5	43.1	28.894	51.7 45.7	S	79	0.339	0.339	64	v. C & K. C. & S. C
30	44.9	44.5	28.975	45.6 43.3	NE	53	0.573	0.370	fog, rain	
31	42.7	44.0	29.198	43.3 42.3	E	177	0.502	.562	0	W
	45.66	45.21	29.474				2.366	2.853		

1872	10 P. M.			Hygro.	Anemo.		Thermo.		
March	E	N	Barom.	dry wet	Dir	Sp.	Max	Min	
1	40.3	45.3	29.622	40.3 40.2	SW-B	81	54.5	41.0	b7. haze. Stars well defined early in evening.
2	47.3	48.8	29.682	47.4 46.5	SW-B	295	53.6	40.6	h5 v. Stars dim.
3	47.3	48.8	29.756	47.8 46.2	S	292	56.7	45.3	b2. q. Clouds going & coming.
4	48.6	50.6	29.596	48.8 46.3	S	236	59.6	46.2	o g K
5	49.8	51.0	29.566	50.0 48.3	SE	176	57.2	48.5	b2. q. K & K.B.
6	48.0	51.2	29.785	48.0 44.7	SE	240	58.4	46.3	b10.
7	48.0	50.8	29.015	47.8 42.4	SSE	250	56.0	45.8	o r g K
8	38.8	46.3	29.304	38.8 36.6	NW-N	248	53.8	38.8	b9 K.B.
9	38.2	45.2	29.946	38.2 36.8	SW	93	46.0	35.0	o K
10	45.2	45.8	29.852	45.5 44.3	S	222	48.8	35.5	o K
11	45.7	45.7	29.652	49.0 48.2	SW	298	53.6	44.6	o v K
12	42.0	47.0	29.625	42.2 41.4	SW	176	58.5	41.6	b7. K. Clouds flying going & coming fast.
13	45.5	46.4	29.120	45.8 44.6	SE	296	51.3	38.3	o g K
14	40.8	46.0	29.208	40.6 39.9	SSE	150	53.6	41.0	b10. Stars very well defined.
15	47.6	47.0	29.390	47.8 47.5	SW-B	196	50.0	35.6	o K & K.B.
16	45.3	47.2	29.676	46.2 44.9	S	178	59.0	45.6	b1 C & C.B. Stars well defined.
17	39.8	47.7	29.654	39.9 39.0	SW	201	55.6	40.3	b8 v. K & NW. Moon.
18	45.6	47.8	29.790	46.0 41.5	NW-N	282	53.0	38.7	F o. q. K
19	39.0	45.3	29.890	39.0 36.8	N	104	49.0	39.7	o K
20	34.7	40.5	29.640	34.2 32.3	NW-N	80	47.3	34.6	b10. v. Stars very badly defined.
21	35.2	41.3	29.870	35.2 32.5	NE	149	44.2	30.0	F o. K
22	35.7	41.3	29.850	35.4 33.6	NNE	170	45.1	32.1	46 KC
23	34.8	39.8	29.726	34.8 32.5	NE	167	43.1	32.6	4b K & C. Halopound Moon.
24	32.7	40.8	29.544	32.3 31.0	NE	137	44.2	32.0	10b Moon.
25	31.0	40.0	29.350	30.9 31.0	NW	48	44.0	30.9	CK, C.B. & b few stars. v. slight halo mist.
26	36.0	41.9	29.302	31.0 35.3	SW	98	49.0	26.9	o K. K. undefined CK. Shor.
27	38.8	38.9	28.912	38.8 36.7	NNE	178	41.1	30.5	o g smoky.
28	39.5	41.1	28.850	39.4 39.2	NE-N	110	44.1	31.6	o misty rain perfectly still.
29	46.6	45.0	28.864	47.0 46.7	E-N	151	57.8	38.9	o r dark - still.
30	44.3	45.0	29.062	44.5 44.3	E-N	101	50.4	42.3	o K
31	45.0	45.0	29.198	45.4 44.6	SE	169	49.3	41.4	o K
	41.94	45.47	29.177				51.03	38.45	
							51.15	38.5	

1872

10 A.M.

Hygro

Anemo

Ombro

April

E

H

Barom.

dry
wet

Dir

Sp.

Square

Round

1	49.3	44.5	29.213	50.3	SE	98	0.012	0.018	62	K x K S
2	41.2	44.2	29.456	40.6	N	108	0.745	0.777	62	K
3	43.8	43.0	29.582	43.9	N	52	0.017	0.039	68	v K
4	44.6	43.0	29.904	45.0	NW & N	107	—	—	67	v C x K
5	46.6	44.8	30.078	39.7	SE	65	—	—	0	K
6	50.3	46.2	30.164	47.6	S	169	—	—	0	K
7	55.3	49.0	30.060	43.3	SW	132	—	—	0	large K
8	51.8	49.4	29.878	51.0	W & S	193	0.022	0.085	0	g K
9	51.4	47.3	30.100	48.2	SW	75	—	—	62	C x K
10	54.8	50.3	29.844	57.7	SW	130	—	—	66	K
11	52.2	52.5	29.718	55.6	SW	133	0.018	0.061	0	g. K
12	52.6	50.8	29.530	52.0	SW	96	—	—	67	v K
13	49.7	46.7	30.034	49.6	W & N	104	—	—	0	v K S
14	51.3	49.5	30.060	52.8	W & S	100	—	—	0	v K
15	51.2	49.0	29.002	48.7	W	99	—	—	0	v K x K S
16	47.8	46.0	29.752	51.8	NW	169	0.007	0.008	65	v K
17	46.3	47.2	29.500	48.4	N	204	0.008	0.019	62	v K
18	44.5	45.8	29.914	45.3	N	63	—	—	0	v K x K S
19	46.8	44.3	29.558	40.3	SE	163	0.578	0.619	0	v K
20	39.4	43.2	29.304	42.3	NW & N	191	0.135	0.263	61	v g K
21	41.3	43.0	29.416	38.3	NE	311	0.709	1.064	0	v K
22	38.5	42.2	29.084	40.0	NE	154	0.260	0.342	0	v K
23	44.5	44.6	29.003	39.0	SE	151	0.106	0.192	0	v K
24	44.9	46.0	29.112	46.8	S	164	0.092	0.114	0	v K
25	54.3	46.2	29.286	52.2	S	141	0.098	0.158	0	v K
26	52.8	48.2	29.400	53.3	SW	74	0.277	0.257	62	v K
27	51.6	48.3	29.638	49.7	W	68	—	—	61	K
28	51.8	48.4	29.745	52.7	S	130	0.176	0.204	0	K
29	51.5	49.6	30.052	55.6	S	193	—	—	0	K
30	57.8	52.3	30.064	57.0						

11.11

48.83

46.98

70.8
29.675

21.235

3.200

4.220

Heard 1st cuckoo.Shower of hail at 9th 30 a.m.

1872	10. P. M.			Hygro	Anemo		Thermo.		
April	E	A.	Barom.	dry wet	Dir	Sp.	Max shade	Min room	
1	46.5	46.5	29.232	44.8 44.5	EBS	93	65.0	38.8	0. r. K dark.
2	37.2	44.8	29.516	36.8 35.6	NW	157	49.2	37.3	58. K. ✓
3	36.8	42.3	29.776	36.7 33.7	N	181	50.3	32.0	510. v.
4	37.2	45.2	29.992	38.8 37.2	NE	111	52.7	32.7	510 slight fog.
5	45.	46.	30.156	42.2 42.6	SSE	192	51.1	33	0
6	49.2	49.0	30.012	49.5 47.8	S	211	57.3	42.5	0 K
7	51.0	50.0	29.758	50.7 43.3	SW	201	59.3	48.2	0 w of K
8	43.2	47.2	30.051	41.0 46.8	W	176	57.0	42.0	0 K dark. Fine during evening.
9	46.7	51.3	29.982	46.0 51.0	SW	152	61.3	38.3	510.
10	50.6	52.7	29.780	49.3 47.2	SW	157	63.6	45.5	0 K & K.
11	47.0	51.5	29.628	46.2 43.3	SW	121	58.6	47.3	52. K. haze. Crescent moon.
12	43.7	48.0	29.808	42.0 43.8	W	182	57.0	42.5	510. v. Stars good.
13	43.2	48.7	30.066	42.2 44.0	WES	109	52.0	39.0	56 ✓ K & K Stars well defined.
14	43.7	50.3	29.978	43.2 43.0	WES	92	57.3	43.7	58 C
15	42.5	47.0	29.964	41.0 41.3	WEN	150	59.0	41.4	54 C & C. Definition pretty good.
16	44.3	48.5	29.900	38.2 41.3	NW	212	56.3	39.8	52. q K
17	41.3	46.8	29.846	38.3 39.3	N	258	52.4	39.8	52. q K
18	38.4	45.0	29.932	35.3 40.7	N	192	50.8	37.0	58 K Moon.
19	40.4	46.0	29.606	32.2 38.3	SE	59	49.0	34.5	0 K
20	38.3	43.2	29.510	37.0 36.8	NE	100	46.0	34.8	0 K
21	38.3	43.3	29.214	36.6 44.8	NEN	278	46.2	36.3	0 w of g K
22	41.8	43.8	29.068	40.6 44.8	NE	156	48.6	36.3	0 K K
23	44.7	45.8	29.024	43.7 44.7	NE	149	52.5	41.4	0 w K
24	44.0	46.6	29.260	42.6 45.8	SE	166	55.2	42.6	53 K & C Moon rising.
25	45.3	48.0	29.288	45.2 46.6	SESE	206	58.0	40.4	0 g K
26	46.0	48.8	29.514	44.8 46.8	S	137	60.3	43.3	54 K Thunder & lightning at 3 ⁴⁵ pm. Heavy hail
27	46.4	50.8	29.716	46.3 45.2	N	60	61.2	42.8	0 g K
28	45.2	50.3	29.925	45.0 51.7	WSE	124	58.0	38.3	55 K & N.
29	51.3	52.0	30.052	49.3 53.9	S	210	62.3	43.3	0 q K
30	53.6	53.8	30.094	52.4	S	186	63.3	50.8	58 K
	44.00	47.77	29.724				55.59	40.19	

1872	10. a. m.			Hygro	Anemo		Ombro			
May	E	H.	Barom.	dry wet	Dir	Sp.	Square	Round		
1	55.0	53.0	30.038	55.8 53.6	SW	166	—	—	0	K
2	55.0	53.7	30.020	55.8 52.3	W	109	0.024	0.038	0	K
3	54.6	52.0	29.924	55.3 53.0	SW	191	0.114	0.123	0	gr K
4	53.8	50.8	29.022	54.7 49.2	W	328	0.222	0.497	33.9	K v
5	57.4	54.7	29.352	50.3 46.0	W	133	—	—	0	v K & K.S.
6	52.3	50.0	29.256	52.8 49.2	SW	90	0.013	0.033	0	K & K.S.
7	51.6	51.4	29.034	52.2 50.7	SW	79	0.127	0.135	32	K
8	47.9	49.0	29.184	48.8 46.2	W	108	0.129	0.136	0	K
9	50.8	48.3	29.618	52.0 46.3	NW	69	0.008	0.019	61	v K
10	49.8	47.7	30.092	50.6 45.0	N.E	74	0.021	0.047	61	v K
11	48.0	48.0	30.048	48.6 43.2	NW	51	—	—	0	v K
12	48.9	46.2	29.820	50.3 45.0	N.E.N	48	0.045	0.067	0	K
13	49.4	47.0	29.928	50.6 46.7	N.E	52	0.006	0.006	0	K
14	52.5	50.0	29.956	52.9 52.2	N.E	166	0.005	0.022	0	K shower
15	52.2	50.6	29.628	52.7 53.0	N.E	50	0.154	0.153	0	K
16	53.3	50.3	29.648	54.2 49.2	N	60	0.105	0.218	67	v K
17	46.7	50.7	29.573	47.0 47.3	N.E	41	0.126	0.136	0	K
18	47.1	48.0	29.606	48.2 42.7	N	77	0.132	0.187	65	v K
19	44.2	45.6	29.566	44.7 39.8	NW	52	—	—	62	v K.
20	49.3	46.9	29.572	50.0 44.6	W	74	0.045	0.045	62	v K. C. K.S.
21	50.0	48.4	29.600	50.6 45.0	NW	38	0.021	0.043	62	v K
22	48.4	48.0	29.648	49.6 45.0	NW.N	55	0.095	0.222	0	K
23	50.0	48.8	29.674	51.0 45.0	NW	52	0.032	0.062	61	v K
24	51.8	49.9	29.844	52.6 47.3	NW	23	0.012	0.017	0	v K
25	53.2	51.2	29.984	52.0 52.4	NW	96	0.018	0.018	0	K
26	57.2	53.5	30.154	58.6 53.6	SW	58	—	—	0	K.S.
27	58.0	54.0	30.128	58.5 56.0	SW	100	—	—	0	K
28	57.7	53.8	30.052	56.6 53.0	SW	74	—	—	0	K
29	55.0	55.2	29.694	56.7 53.0	NW	204	0.003	0.004	0	K
30	55.7	54.6	29.776	57.2 50.7	SW	111	0.018	0.006	0	K
31	52.3	53.0	29.776	54.3 47.9	W	89	0.016	0.027	61	K
	51.65	50.27	29.698				1.481	2.164		

1872

10 P. M.

Hygro

Anemo.

Thermo

May

E

A

Barom

dry
wet

Dir

Sp.

Max

Min

1	53.0	54.0	29.970	53.5 52.3	SW	178	61.5	51.5	0	K	Hard cornflake.
2	48.7	54.2	30.006	48.8 47.3	SW	77	62.3	50.3	by haze.	K	Cloudy till 4 p.m.
3	44.0	49.3	29.258	46.2 41.0	SW	286	62.3	44.0	bl.	qf	
4	45.7	51.3	29.222	45.6 43.1	WbN	195	58.6	42.5	bl.	K	
5	44.2	50.0	29.404	44.2 43.4	WbS	116	55.3	42.5	bl.	K	
6	45.3	50.2	29.473	45.5 45.7	NbE	17	56.5	40.5	0	g	K + KS
7	42.2	48.2	29.086	42.2 41.5	SW	136	58.0	42.7	by v.	KS	
8	41.2	49.3	29.173	41.2 39.8	WbN	124	56.0	40.8	bl.	v.	
9	41.0	48.0	29.922	40.6 37.7	NbW	137	55.0	38.8	bl.	v.	
10	41.7	49.0	30.156	41.8 39.6	N	86	55.8	36.8	0	K	
11	38.7	47.7	29.980	38.6 37.4	N	90	53.0	39.7	bl.	v.	
12	41.4	48.2	29.894	41.3 40.0	EbN	76	55.0	34.3	by	K	
13	48.2	50.0	29.802	48.3 46.6	NbN	195	56.2	38.0	0	g	K + KS.
14	50.9	51.0	29.723	50.8 47.2	NbE	91	58.7	46.8	0	K	
15	46.8	50.3	29.642	46.2 42.5	E	48	55.3	46.6	0	K	
16	46.9	52.2	29.585	46.3 41.0	N	71	61.0	44.5	0	K	
17	41.5	49.0	29.598	40.2 36.4	N	82	50.2	41.8	bl.	K + KS.	
18	36.9	44.7	29.604	34.8 32.0	NbW	106	52.2	38.0	by v.	K	Moon very bright.
19	39.0	47.8	29.594	38.0 32.7	W	67	53.0	36.3	bl.	CS.	Star round moon. Heavy hail
20	42.8	49.6	29.560	41.7 42.3	N	70	58.3	36.7	by	KS in NW	
21	42.8	49.3	29.676	40.9 41.3	NbN	64	55.3	38.8	0	K + KS.	
22	41.2	46.3	29.668	40.2 35.4	NbW	72	53.8	38.7	by	K	Star round moon.
23	45.2	50.4	29.752	44.5 40.2	NW	54	58.3	40.7	0	K + KS.	
24	49.8	52.0	29.936	47.8 47.8	W	68	60.0	40.8	0	K + KS.	
25	51.3	52.8	30.130	50.0 53.9	W	79	61.0	48.3	0	K	
26	53.2	55.0	30.134	52.3 50.3	SW	118	65.0	50.2	bl.	K	
27	52.8	55.0	30.120	50.3 49.8	NW	60	64.0	51.8	0	K	
28	53.8	56.0	29.868	53.3 53.0	SWbS	127	64.4	49.8	0	K	
29	49.9	51.0	29.816	50.0 48.0	W	131	64.0	50.8	bl.	K	
30	47.7	55.0	29.780	48.2 46.0	SW	117	61.0	45.2	0	K	
31	43.3	50.8	29.910	43.8 42.8	WbS	114	57.3	43.0	by	K	Star fairly defined. Hail between noon & 4 p.m.

45.55 50.73 29.725

57.94

43.04

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✓

1872	10 H. M.			Hygro	Anemo		Ombar			
June	E	H	Barom.	dry wet	Dir	Sp.	Square	Round		
1	56.3	52.0	29.872	57.0 56.3	SW S	68	0.006	0.015	0	K & K S.
2	56.7	53.2	29.506	56.2 57.6	W	113	0.380	0.422	0	v. K
3	53.6	53.0	29.634	55.2 50.2	SW	111	0.039	0.047	0	g K
4	53.8	52.2	29.918	53.2 50.6	NW	84	0.025	0.050	0	K
5	54.5	53.2	29.790	55.6 52.8	W & N	74	0.312	0.285	0	v. K
6	55.3	51.8	29.658	56.3 50.3	SW	91	0.085	0.090	65	v. K
7	54.0	52.2	29.424	55.6 48.4	E	59	0.229	0.227	61	v. K
8	54.0	52.2	29.273	55.0 49.9	S	94	—	—	0	K
9	50.3	52.0	29.078	57.0 49.3	N & E	92	0.740	0.704	0	K
10	52.8	52.2	29.284	57.7 48.6	W	124	0.323	0.372	0	K
11	59.2	53.0	29.365	60.2 53.7	W & S	76	0.045	0.050	0	v. K
12	59.0	53.7	29.590	60.3 55.7	SW	42	—	—	0	v. K slight shower.
13	60.7	53.5	29.725	61.7 58.0	SW	100	0.030	0.050	0	K
14	61.6	57.2	29.794	63.3 58.0	SE	126	—	—	0	K
15	61.6	58.0	29.808	62.6 60.0	S	160	0.241	0.258	0	K
16	63.8	59.2	30.032	70.3 64.7	S	29	0.200	0.213	0	K
17	62.3	60.3	29.948	63.3 61.7	S	88	0.237	0.205	0	g K
18	64.6	62.7	29.708	70.8 64.0	S	119	—	—	61	g K. C. K S.
19	61.9	62.	29.627	62.6 60.9	SW & S	55	0.012	0.014	0	g K
20	64.3	60.1	29.864	65.5 59.2	S.W	69	0.011	0.009	610	v
21	55.6	59.8	29.423	56.2 54.4	E. S. E.	103	0.023	0.024	0	g g. K
22	56.8	57.7	29.622	57.6 52.9	W	169	0.092	0.132	0	p K
23	62.4	58.1	29.798	63.9 58.5	S.W	79	0.060	0.062	0	K
24	60.2	58.8	29.540	61.3 56.4	SSE	154	—	—	0	K
25	55.7	59.1	29.324	56.7 53.7	W	69	0.015	0.015	0	r K
26	60.7	58.0	29.532	61.3 56.4	W & SW	75	—	—	0	K
27	61.3	57.8	29.658	62.6 56.3	S	64	0.083	0.083	0	K
28	58.8	58.0	29.502	60.3 55.7	W	141	0.110	0.124	0	K
29	58.2	56.5	29.786	58.8 54.6	W & N	91	0.023	0.067	68	K
30	59.8	58.0	29.588	60.8 53.3	SE	138	0.002	—	65	g K & C. C S
	58.59	56.45	29.630				3.395	3.526		

1872	10. P.M.			Barom.	Thermo	Anemo	Sp	Max	Min		
June	E	A				Dir					
1	52.6	52.3	29.532	52.8	SW	168	58.3	41.7	0	K	
2	50.4	51.3	29.634	50.8	W.N.	108	62.0	48.3	0	K	
3	44.7	52.2	29.742	44.2	W.N.	161	58.0	45.3	69	S	K
4	49.9	53.2	29.852	49.6	S	90	61.0	43.6	0	K	Rain all evening
5	44.3	53.6	29.746	44.8	SW	80	61.0	45.3	0	K	
6	45.0	53.8	29.550	45.4	W.S.	81	62.8	41.6	0	R	W
7	47.3	54.0	29.358	47.8	SW	86	59.3	41.7	0	K & C	
8	47.0	52.3	29.433	47.0	SE	117	59.3	43.5	0	S	K
9	48.3	52.0	29.200	48.2	N.W.	97	55.2	44.7	0	K	
10	49.4	53.0	29.398	49.8	W.S.	130	59.0	47.8	0	K	
11	48.4	53.3	29.530	48.8	SW	71	63.3	48.0	610	V.	Stars beautifully defined
12	54.8	55.0	29.636	55.3	SW.W.	89	63.5	46.3	0	K	Showers during day
13	59.9	58.5	29.756	60.7	S.E.	109	71.0	52.5	0	K	
14	57.0	58.3	29.774	57.6	S.E.	159	66.0	52.8	0	K	
15	58.7	59.3	29.970	58.9	SW	90	69.0	54.3	68	V	K Moon.
16	61.0	61.3	30.042	62.2	SW	74	75.0	55.7	0	K	
17	62.2	63.0	29.840	63.3	S	115	74.0	59.5	0	L	
18	62.0	64.2	29.682	63.2	SE	97	74.3	61.3	62	K	Moon.
19	53.4	62.9	29.755	53.1	S.W.	59	69.2	54.2	6.9	K.S	horizon Clear moon
20	57.4	53.1	29.906	57.4	S.S.E.	53	69.7	58.2	6.9	V	Slight Bright moon but reddish
21	52.3	58.9	29.594	52.3	W	223	67.1	48.4	61	g	K.S.C
22	53.2	58.2	29.814	53.6	SW by S	97	63.2	48.9	62	K.S	clouds black
23	55.1	57.9	29.725	55.7	SE	138	69.4	51.1	0	g	K clear line at N.W horizon
24	57.	59.9	29.401	57.1	S.E. by S	119	64.9	46.2	0	g	K.S
25	53.2	59.2	29.513	53.3	W	106	64.6	53.3	61	K.S	
26	52.7	59.0	29.672	52.2	W	57	66.6	48.8	0	K	hail showers in daytime
27	56.3	68.4	29.352	56.8	SW	174	63.3	49.0	0	K & K.S.	
28	48.4	57.6	29.652	48.8	SW	144	62.7	49.6	69	K	Stars well defined - Showers like April
29	52.6	59.0	29.786	52.0	SE	53	68.0	47.5	65	C & C.	
30	55.4	59.0	29.445	55.9	S.E.	244	65.3	50.4	0	V	K
	52.99	56.79	29.631				64.87	49.12			

1872	10 H. M.			Hygro	Anemo		Ombro			
July	E	H	Barom.	dry wet	Dir	Sp	Square	Round		
1	61.3	58.0	29.526	62.2 57.0	SW	118	0.031	0.085	0	K
2	61.3	57.6	29.802	62.2 56.2	SWW	59	0.093	0.111	0 g	K
3	66.0	59.2	29.942	62.0 61.3	SW	73	—	—	65	K
4	70.3	63.0	29.988	72.3 61.2	SW	101	—	—	0	K & K8
5	68.5	63.6	29.828	69.7 61.3	SE	99	—	—	62	K
6	60.8	63.3	29.836	62.2 55.3	NW	74	0.010	0.029	63	K
7	57.7	60.5	29.788	58.8 62.9	N	43	—	—	0	K & K8
8	62.8	60.7	29.616	64.2 58.7	W	75	0.023	0.079	0	K
9	58.3	60.3	29.672	59.3 53.0	NW	44	0.047	0.065	61	K
10	61.3	60.8	29.567	62.7 56.8	SE & S	92	—	—	61	K & C
11	66.3	60.7	29.604	67.7 61.3	SE	31	0.007	0.011	63	K
12	60.2	59.3	29.760	61.6 57.6	NE	31	—	0.007	0	K & K8
13	63.2	61.8	29.756	63.7 61.7	NNE	95	0.725	0.717	0	K
14	65.9	62.3	29.876	67.7 61.6	N	57	—	—	0	K & C
15	60.2	62.2	29.844	61.2 57.8	N	15	—	0.005	0	K
16	64.6	62.0	29.748	65.2 58.3	NW	17	—	—	69	K
17	63.2	60.2	29.772	64.1 56.6	E & S	29	—	—	65 v.	K & K8
18	60.8	61.6	29.785	62.2 56.3	NE & N	29	—	—	0	K
19	62.0	60.0	29.628	63.3 58.3	SE	35	—	—	0	K & K8
20	68.3	63.3	29.680	70.0 64.7	SE	175	0.014	0.046	61	K & K8
21	68.4	60.	29.709	63.2 65.9	S	199	—	—	6.1	K & C
22	66.5	64.5	29.660	67.6 62.8	SW	64	0.025	0.052	66 v.	K & K8
23	62.6	63.8	29.632	63.7 59.9	SE	61	0.015	0.011	0	K
24	66.8	63.3	29.682	67.8 61.4	SE	95	—	—	65	K & C
25	61.4	63.0	29.772	62.4 61.2	NE	37	0.002	0.005	0 m. g	K
26	61.4	63.7	29.606	61.9 61.8	NE	153	1.080	1.250	0	K. Thunder in morning early.
27	68.0	64.6	29.734	69.2 65.0	SE	76	0.057	0.092	66 v	K
28	67.2	65.1	29.718	69.2 63.	SE & E	118	—	0.033	63	v K
29	66.5	64.8	29.628	65.3 63.3	NE	58	—	0.027	0	K
30	58.3	64.0	29.730	59.3 56.8	NE & N	55	0.000	0.002	0	K
31	59.8	60.3	29.798	61.0 54.8	WN	25	0.006	0.008	62 v.	K
	62.55	61.86	29.502	74.0			2.135	2.140		
				28.9						

1872	10. P.M.			Barom.	Thermo.	Anemo.	Thermo.		
July	E	A	Barom.	dry wet	Dir	Sp	Max	Min	
1	54.8	52.3	29.598	53.5 53.2	SE	96	67.3	50.0	0 K & K8.
2	54.7	52.2	29.598	53.3 52.5	SEW	72	70.2	48.8	610. v. Stars well defined.
3	63.3	63.5	29.968	64.2 62.2	SE	105	73.6	53.2	0 K
4	63.3	65.5	29.976	64.3 62.0	S	87	75.0	60.5	610. Stars very well defined.
5	60.7	63.5	29.712	61.6 58.2	SEW	170	73.3	58.2	0 K
6	52.8	63.7	29.866	52.8 50.2	NE & N	61	69.7	54.8	65 C & C8.
7	53.3	60.2	29.692	52.7 53.2	NEW	84	61.3	49.6	0 K
8	55.3	62.7	29.608	53.0 53.7	NEW	69	74.3	52.6	0 K
9	53.3	60.2	29.712	52.9 53.3	E	70	67.5	53.6	610. v. Setting definition muddling.
10	57.8	61.2	29.518	52.3 52.3	SE	244	65.4	52.5	0 K
11	53.0	58.3	29.690	52.0 60.3	SE & E	86	72.0	53.7	610. v. did not observe.
12	60.0	63.0	29.752	60.3 58.8	NE	51	69.9	49.8	0 K Great thunder & lightning.
13	58.4	63.6	29.812	57.5 56.6	NE	121	74.6	57.8	69 K Moon.
14	56.4	64.3	29.860	53.6 57.5	NEW	68	73.5	56.6	69 K8
15	57.2	62.3	29.828	52.3 50.7	NE	43	70.2	53.8	68 W in SE & NW Stars well defined.
16	52.3	60.0	29.752	50.7 53.2	NW	84	70.0	52.8	69 C8. Stars very badly defined.
17	52.7	63.8	29.772	53.2 52.3	S	64	71.4	48.3	62 C & C8.
18	53.8	58.6	29.836	52.3 52.2	NE	47	65.0	52.2	61 K, heavy.
19	61.5	62.0	29.764	62.2 59.8	SE & E	98	64.4	51.2	0 K & K8.
20	63.7	66.4	29.704	64.7 62.8	SEW	241	76.2	60.3	69 of K in NW. Moon not long seen.
21	63.8	65.8	29.712	62.7 61.8	S	116	75.8	63.2	0 K & K8. Mackerel sky partly.
22	60.8	66.0	29.672	59.3 59.2	SEW & S	87	73.3	58.8	0 K
23	58.7	64.3	29.624	56.7 58.6	SE	138	69.7	57.6	62 K & C8.
24	58.0	65.7	29.804	57.3 61.3	E	79	73.2	56.8	64 K & C.
25	60.8	64.0	29.716	61.2 61.0	NE	105	64.3	52.7	0 K
26	60.2	65.2	29.715	59.0 60.8	SE & S	147	74.3	60.3	0 K.
27	60.3	63.2	29.764	57.9 59.3	SE	181	71.8	58.8	69 K8. Stars well defined.
28	59.0	65.3	29.666	60.3 59.6	NE	148	71.0	58.5	65 C & K.
29	59.2	64.8	29.650	58.3 57.9	NE & E	76	75.3	58.8	68 K in N. Dim sky. Stars wretchedly defined.
30	51.7	60.5	29.802	57.2 57.7	N	77	67.0	53.8	610 nearly. one long K8. Definition muddling of 6 th mag stars.
31	53.3	63.0	29.776	50.0	NEW	45	66.7	48.3	0 K & K8.
	57.61	62.87	29.749				70.52	54.80	

1872	10 A.M.			Hygro	Anemo.		Ombro.				
August.	E	N	Barom	dry wet	Dir	Sp.	Square	Round			
1	58.7	61.0	29.669	59.8 53.3	NEW	12	--	--	0	g	K
2	61.7	60.7	29.576	58.8 55.8	N	35	--	--	0		K
3	57.3	59.8	29.702	58.5 52.7	NEW	48	--	--	0		K
4	57.8	58.8	29.684	58.7 53.2	NEW	21	--	--	0	g	K
5	61.8	59.8	29.370	63.7 61.3	E	64	--	--	0		K
6	60.8	59.4	29.428	58.0 65.3	SW	82	0.160	0.250	61	v	K
7	63.6	60.3	29.384	60.7 61.3	NEE	21	0.138	0.135	0		K
8	60.0	58.8	29.702	53.0 63.0	NEW	58	0.003	0.004	64	v	K
9	61.7	57.3	29.740	55.6 60.3	SE	40	0.003	0.007	0		K
10	59.3	59.2	29.206	59.0 61.2	SE	128	0.207	0.285	0		K
11	59.8	59.5	29.450	58.3 60.3	W	101	0.284	0.286	0		K
12	58.7	58.2	29.858	52.8 60.3	WN	113	0.025	0.054	0		K
13	59.2	58.2	30.050	52.7 65.3	WN	61	--	0.015	63	v	K
14	64.7	59.0	30.072	59.4 61.3	S	14	--	--	62	v	K
15	60.0	59.3	29.944	56.9 62.7	SE	74	0.003	0.000	0		K
16	61.7	60.3	29.664	61.3 61.3	SE	229	0.266	0.322	0		K
17	60.6	61.6	29.792	60.7 64.7	SW	172	0.144	0.160	0		K
18	62.9	61.1	29.992	61.2 67.8	NE	34	0.000	0.006	0		K
19	66.8	63.2	29.994	61.9 65.4	ENE	67	--	--	69	v	K
20	64.8	62.5	29.898	58.7 65.3	E	114	--	--	610	v	
21	63.3	63.8	29.830	60.8 67.8	ESS	155	--	--	0		K
22	66.0	63.5	29.954	63.3 66.0	E	53	--	--	0		K
23	66.5	63.8	30.040	64.0 63.3	WN	22	--	--	0		K
24	62.0	63.5	30.104	59.2 65.3	NEW	36	0.015	0.054	62		K
25	64.3	62.7	29.820	62.3 60.0	SE	62	0.098	0.184	0		K
26	58.8	62.0	29.704	59.4 59.3	NEW	80	0.419	0.400	0	g	K
27	58.6	59.3	30.106	53.8 61.0	NE	47	--	0.006	62		K
28	59.8	60.6	29.984	59.0 63.7	SW	100	--	--	0		K
29	62.8	62.3	29.693	61.6 61.0	SW	139	0.024	0.024	0	g	K
30	60.0	59.9	29.500	56.6 58.7	SW	119	0.000	0.162	61	v	K
31	58.0	58.2	29.608	53.6	NE	66	0.136	0.159	62	v	K
	61.36	60.57	29.760				2.025	2.510			

registered at 11.30.

1872	10 P.M.			Hygro	Anemo		Thermo.			
August	E	H	Barom.	dry wet	Dir	Sp.	Max	Min		
1	54.8	60.3	29.714	54.9 52.1	* S.E.	21	63.4	51.5	6.2	K
2	53.0	61.0	29.668	53.2 51.3	N.W.	40	65.7	49.3	72	C & K
3	52.8	60.2	29.732	52.9 50.3	N.W.	50	63.0	53.2	71	K
4	52.3	60.3	29.596	54.8 53.2	S.E.	87	63.8	54.3	0	K
5	52.8	59.8	29.336	55.0 55.0	S.W.	109	64.8	53.3	71.	C & K
6	52.8	61.0	29.401	55.0 52.7	S.E.	74	70.3	52.8	0	K
7	52.5	61.6	29.532	52.7 52.6	N	63	69.5	54.0	66.	K.S.
8	48.8	58.2	29.840	49.2 48.3	N.W.N	74	65.5	49.6	70.	Aurora Definition very bad.
9	56.0	59.0	29.412	56.4 55.3	S.E.	208	65.3	44.5	0 g r q.	K
10	55.5	60.5	29.378	55.8 55.3	W	64	67.8	53.8	0 r	K
11	52.8	59.0	29.778	53.2 52.2	W	172	64.5	53.5	0 g	K
12	52.7	59.0	29.950	53.2 52.2	W	113	64.0	50.8	0	K
13	51.8	60.0	30.108	52.4 51.3	W.S.	43	67.0	52.0	65	K
14	55.2	59.2	30.016	55.7 54.3	S.E.	102	71.2	52.3	64	K Aurora. one large streamlet.
15	59.0	61.0	29.818	59.7 58.8	S.E.	185	65.2	54.3	0	K
16	62.3	62.5	29.658	63.3 60.6	S	205	67.8	55.8	0 g q	K
17	59.0	62.0	29.950	59.9 57.3	S.W.W	40	67.8	60.2	0	K
18	62.4	64.0	29.978	63.6 61.0	E	65	73.0	57.8	0	K
19	58.0	64.0	29.992	63.8 61.8	E.N	116	72.2	57.5	710.	v. Moon. reported 10.35
20	61.2	65.0	29.846	62.8 59.7	E.S	124	70.7	53.8	72	K & C
21	57.3	62.7	29.876	66.3 63.9	N.E	78	69.2	58.3	71	K & C. Moonlight.
22	58.9	63.7	30.006	68.2 64.1	S.E	55	75.8	56.7	69	K Stars splendidly defined - Moon.
23	60.3	64.8	30.074	68.2 59.3	S.W.S	49	73.5	57.2	0	K & K.S.
24	57.6	64.9	30.048	58.2 55.5	E	44	71.5	58.7	0 g	K
25	57.6	63.0	29.596	58.0 56.5	S	109	67.7	55.3	0	K
26	50.8	59.6	29.972	50.7 50.0	N.N.W	101	67.8	52.0	710.	v. very bad definition
27	53.2	60.0	30.120	53.8 53.0	S.E	50	67.7	50.3	73.	K. Definition splendid.
28	60.0	62.2	29.900	60.7 57.7	S.W.S	149	66.5	54.3	0	K very dark.
29	54.7	60.9	29.602	57.6 54.6	S.W	102	66.0	55.3	71	K
30	51.2	59.7	29.502	51.3 50.7	W.N	77	66.0	52.3	78	K Clouds coming & going
31	48.0	55.8	29.738	48.3 47.7	N.N.W	67	64.3	49.3	79	K & N. Definition middling
	55.50	61.13	29.778				67.68	53.58		
							67.6			

1872		10 St. M.			Hygro	Anemo.		Ombro.			
September		E	N	Barom.	dry wet	Dir	Sp.	Square	Round		
1	52.3	56.0	29.692	53.0 49.6	NE	27	0.014	0.045	0	K	
2	57.2	56.0	29.534	57.7 61.2	NE	120	0.989	1.030	0	K	
3	60.0	57.2	29.372	59.3 55.4	NESE	70	0.143	0.278	0	K	
4	64.2	59.0	29.324	61.8 63.6	SE	102	0.356	0.372	64	v	K
5	62.6	59.8	29.454	59.7 62.2	SE	89	0.167	0.284	0	K & B	
6	61.8	60.5	29.414	59.0 57.8	E & N	85	0.277	0.237	61	v	K, K & B & C.
7	56.8	60.2	29.654	52.8 59.3	NW	76	0.079	0.103	0	v	K, K & B
8	58.3	57.3	29.730	54.0 58.0	SW	55	0.000	0.011	0	K	
9	57.5	60.2	29.464	56.2 60.8	W	130	0.038	0.046	0	v	K
10	59.9	57.1	29.604	56.6 66.3	SW	102	0.026	0.041	0	K	
11	61.8	60.1	29.550	64.3 64.0	SW	152	0.073	0.145	0	q	K
12	63.2	61.7	29.818	63.6 68.7	SW	162	0.207	0.363	0	v	K
13	67.3	62.3	29.998	65.0 60.0	SW	139	—	0.016	61	v	K
14	58.8	62.0	30.017	56.0 58.0	NE	67	0.417	0.496	0	K	
15	57.2	60.8	29.534	56.6 53.8	W & NW	45	—	1.004	0	K	
16	55.4	58.4	29.778	55.7 57.8	SW	88	0.188	0.186	0	v	K
17	55.2	57.6	29.604	53.3 52.0	SW	82	0.003	0.129	0	K	
18	51.3	55.0	29.216	50.3 51.3	SW	181	0.083	0.119	0	v	K
19	50.5	54.0	29.514	48.0 50.8	NW	85	0.143	0.208	61	v	K
20	50.2	52.2	29.730	46.3 48.6	NW	65	—	—	62	K	
21	47.7	51.2	29.673	44.2 50.2	NW	71	0.042	0.050	64	v	K & NW
22	49.2	50.0	29.772	46.2 53.0	NW	60	0.034	0.059	62	v	C, K & K & B
23	52.5	54.8	29.460	50.6 48.7	W	118	0.129	0.165	62	v	K
24	48.2	49.8	29.386	44.2 49.0	NE	33	—	—	64	v	C & K
25	48.8	49.8	29.584	46.3 50.6	N & W	122	0.090	0.135	0	Shower	K
26	49.8	48.5	29.784	46.2 53.4	W & N	78	—	—	61	v	C, C & B & K
27	51.7	51.5	29.230	52.7 53.6	SW	109	0.224	0.235	0	K	
28	52.8	50.8	29.036	49.0 53.8	SW	115	0.137	0.202	61	v	q K
29	53.2	52.0	29.492	50.0 53.7	W & N	106	0.039	0.050	62	v	K
30	53.3	51.6	29.546	52.3	SW & B	67	—	—	0	v	K
	55.83	55.83	29.580					3.815	5.012		

1872

10. P.M.

Hygro

Anemo.

Thermo

September

E

N

Barom

dry
wet

Dir

Sp.

Max

Min

O

1

48.6

52.6

29.606

48.3
48.3

NE

117

55.0

46.8

0 K K

2

56.0

57.8

29.506

56.2
56.0

SE

79

66.0

48.3

57. K & B

3

62.0

58.7

29.292

62.8
61.8

SE

85

66.0

53.7

0 g K Thunder & lightning in evening

4

59.7

60.0

29.356

60.2
58.2

E & S

138

68.7

57.3

0 K

5

56.7

61.2

29.406

57.8
56.2

N & N

126

69.3

57.2

0 K

6

58.4

62.2

29.522

59.2
58.0

N & W

52

68.2

56.2

0 K & B

7

52.0

59.7

29.716

52.0
51.3

W

71

62.2

52.2

53 K

O

8

57.3

57.4

29.610

57.8
55.6

S & E

86

64.0

47.5

0 K

9

51.7

57.4

29.564

52.0
51.6

S & W

80

64.6

52.6

610. v. Definition very good.

10

58.5

57.0

29.519

57.0
55.3

S & W

151

63.3

49.5

62 K & B.

11

62.6

62.3

29.648

63.6
63.3

S & W

255

70.0

58.5

0 g K.

12

62.3

62.4

29.832

63.3
61.8

S & W

152

67.5

61.6

0 K

13

61.3

64.3

29.790

61.8
58.3

W & S

170

70.6

61.6

0 K

14

57.8

62.7

29.946

57.0
54.6

W & S

30

64.5

56.3

0 K

O

15

54.3

60.4

29.918

52.2
55.3

W

80

64.2

55.2

0 W

16

54.7

59.7

29.648

55.3
49.6

S & W

144

62.8

52.3

0 K & Moonlight.

17

49.3

57.0

29.424

49.6
48.8

S & W

122

63.0

49.4

0 K & Moon.

18

47.2

52.7

29.358

47.1
45.7

W

132

58.2

45.5

610. v. Moon. Definition good.

19

41.7

52.3

29.693

41.8
41.2

S & W

96

56.5

41.3

65 K. Moon

20

44.7

60.8

29.774

41.2
42.3

N & W

74

53.6

-

Lost reading. This from M. Bell.

21

43.0

51.7

29.764

41.6
44.8

N & W

121

52.8

41.6

0 K.

O

22

45.2

50.9

29.650

43.5
44.7

S & W

78

54.0

38.8

0 K

23

44.7

52.0

29.402

42.8
42.3

W

74

58.2

45.0

66 K & B.

24

43.2

50.0

29.512

42.2
41.9

N & W

124

54.0

40.5

0 g K

25

41.7

49.7

29.702

40.2
47.7

N & W

137

54.5

42.0

0 K

26

47.5

50.8

29.574

47.2
46.2

S & E

89

55.3

38.8

0 K & g K

27

46.2

50.7

29.150

44.8
49.8

S & W

222

58.0

46.5

610. g. v. Definition good.

28

49.4

52.2

29.348

48.0
45.7

S & W

240

57.7

44.4

0 K & B.

O

29

45.2

52.2

29.596

45.2
55.0

S & W

103

57.3

45.3

63. K

30

52.6

53.3

29.394

52.6

S & W

147

57.0

44.8

0 K

51.92

56.60

29.584

61.47

49.37

✓

✓

1872	10 A.M.			Height	Anemo		Omnia		
October	E	H	Barom	dry wet	Dir	Sp	Square	Round	
1	57.8	54.3	29.253	55.7 55.7	S	180	0.172	0.225	0 g K
2	54.2	53.0	28.980	54.7 61.7	SSE	148	0.146	0.176	58 g K
3	48.7	52.2	29.266	49.13 43.6	NW	100	0.053	0.060	53 v K
4	44.4	49.3	29.778	44.8 41.5	NW	clock stopped	--	--	55 v K
5	43.3	45.3	30.108	43.5 40.5	SE	30	--	0.006	0 haze C.C.S
6	47.5	46.2	29.984	47.7 47.8	S	98	--	--	56 v K.C.S.
7	52.5	51.8	29.796	53.3 52.8	WES	141	0.267	0.314	5 v K.
8	52.2	49.8	29.684	52.8 49.3	SW	91	0.007	0.006	0 K.C.S
9	44.6	51.0	29.446	47.3 39.8	WSW	86	0.311	0.328	58 K.C.S.
10	39.9	44.8	29.215	46.8 48.6	SE	89	0.212	0.274	0 r K
11	43.8	46.2	29.376	47.3 44.2	NW	89	1.016	1.072	54 K.C.
12	46.3	45.5	29.554	45.4 44.0	NW	81	0.158	0.082	52 K
13	45.2	46.0	29.658	43.7 42.7	NW	62	0.080	0.075	57 v K
14	43.0	44.0	29.826	46.0 45.7	SW	38	0.061	0.086	57 v C.C.S
15	46.2	46.3	29.544	45.0 42.6	S	112	0.014	0.014	0 K K
16	44.7	45.3	29.244	45.3 45.3	NW	47	0.207	0.220	0 K
17	45.6	47.0	29.588	47.8 47.2	N.E	174	0.111	0.127	0 g K
18	47.6	45.3	29.614	50.3 48.4	N	39	0.006	0.022	51 K.C.S
19	49.8	48.0	29.298	48.8 48.0	SE	200	0.536	0.598	0 g K.C.S
20	48.3	47.5	29.534	45.2 43.6	SW	61	0.212	0.266	0 K.C.S
21	44.6	46.3	29.446	45.3 42.8	NW	13	--	--	52 haze. K.C.S.
22	45.2	46.2	29.346	45.8 45.0	WN	67	--	--	53 C.C.
23	45.4	45.0	29.466	48.0 45.8	SW	74	0.008	0.011	5 K
24	47.8	47.3	28.803	49.7 48.0	SE	192	0.365	0.465	52 K
25	49.2	47.3	28.850	47.3 46.2	E.S	102	0.262	0.271	52 K
26	50.4	48.0	29.026	48.2 48.	E	101	0.110	0.120	52 v K
27	47.4	46.0	29.358	47.2 46.3	SE	24	--	--	0 K
28	45.6	46.7	29.600	46.0 52.7	SW	47	--	--	0 fog K
29	52.0	49.3	29.478	51.4 46.8	S	179	0.025	0.048	0 K
30	46.2	48.3	29.226	42.8 47.2	SE	193	0.218	0.363	53 C.C.S
31	47.2	47.0	29.276	46.2	SW	196	0.029	0.042	59 K
	47.53	47.69	29.440				1.596	5.294	

1872	10. P.M.			Hgto	Anemo		Thermo.		
October	E	A.	Barom.	dir	Dir	Sp.	Max	Min.	
1	50.8	52.3	29.042	51.2 50.3	S	200	61.0	57.5	69. K & S
2	47.8	53.7	29.006	48.0 46.4	S	169	57.7	48.3	610. v.
3	39.8	49.6	29.504	39.9 38.8	W & N	94	53.7	40.3	62 f C & K
4	35.8	46.3	30.036	35.6 34.0	N & W	57	49.6	36.3	69. K Definition very bad.
5	38.2	47.7	30.048	38.3 36.3	SW	32	50.7	31.3	610.
6	50.0	51.2	29.830	50.6 49.3	SW	169	56.0	37.5	0 & g K
7	44.2	49.4	29.811	44.3 44.1	SW & S	57	56.8	44.6	610. v. Definition good.
8	49.0	51.5	29.554	49.3 48.8	SW & S	130	57.3	43.3	0 g K
9	39.8	48.7	29.498	39.8 39.4	SW	85	54.3	40.0	610.
10	39.8	46.0	29.234	39.3 39.2	NW	141	54.0	39.5	69. v. K. Rain almost entire day.
11	57.8	46.2	29.440	37.5 37.2	W & N	99	50.0	37.3	69. v. K. Moon. Two very heavy hail showers.
12	46.7	46.0	29.640	41.6 40.24	NW	104	50.0	36.6	69. v. K & K.
13	36.8	45.5	29.773	36.7 36.6	NW	60	50.0	38.0	69 v. K. Moon
14	41.8	49.9	29.698	40.2 38.7	S	93	52.3	33.2	69 v. S Moon clear
15	39.9	46.0	29.367	38.3 37.0	NW	149	48.8	39.3	69. v. C. S. Moon clear. Aurora.
16	47.0	46.8	29.525	44.3 40.0	N & E	135	51.0	34.5	0 g. Light K
17	40.0	45.0	29.693	40.2 39.2	N & E	76	50.8	40.0	610. fog. Moon. Definition middling
18	49.0	47.3	29.304	45.5 44.7	N & E	106	52.5	37.6	0 & g K
19	45.5	48.0	29.350	43.7 42.8	S & E	193	55.0	45.0	68 K from very clear.
20	42.7	48.0	29.536	40.9 39.4	N & W	38	54.2	43.2	0 K
21	46.0	47.0	29.360	36.7 36.6	NW	71	52.0	41.3	62 K & K.
22	37.2	46.1	29.440	47.0 45.5	S.W. & W	90	52.2	37.0	6.10 Bright stars & clear moon.
23	46.8	46.8	28.972	46.2 45.3	S & E	190	51.0	36.7	0 very stormy K
24	46.0	47.7	28.772	47.7 46.0	SE & E	152	52.2	42.2	0 K
25	47.7	48.0	28.958	39.2 39.1	E & S	167	53.8	42.8	61 K
26	39.2	47.6	29.200	44.8 44.7	E.N.E	46	54.2	38.1	6.2 K. g. a few dome stars. Lightning in evening.
27	44.6	47.8	29.488	47.6 46.8	SW	48	53.3	38.0	0 fog K
28	47.3	47.6	29.606	49.8 48.6	SW & S	93	54.5	41.7	0 K & S.
29	47.8	51.0	29.252	41.8 40.3	SW & S	285	56.0	47.0	0 & g K
30	41.8	46.2	29.208	40.9 39.8	SW	205	52.7	41.7	610 Stars well defined.
31	44.0	46.7	29.220		SW	208	53.0	40.3	610. very stormy. Thunder at 7 o'clock
	43.22	47.96	29.425				53.21	40.20	

1872	10 A.M.			Hygro	Anemo		Ombro		
November	E	W	Barom.	dry wet	Dir	Sp.	Square	Round.	
1	47.7	46.2	29.042	48.0 47.8	SE	201	0.157	0.177	0 r g K
2	43.9	44.7	28.824	46.3 42.5	SW	246	0.470	0.568	0 K
3	45.2	45.6	29.616	45.8 44.3	WN	87	0.169	0.152	0 K & B
4	52.3	47.2	29.418	51.7 40.7	SE	223	0.052	0.018	0 WS
5	50.3	50.7	29.462	49.7 48.2	WSW	169	0.097	0.147	bs. K & C
6	58.3	53.3	29.170	58.7 48.2	SW	320	0.053	0.143	0 g. K & B
7	49.2	49.0	29.504	49.6 46.2	SW	260	0.006	0.036	W. K & B. CS
8	48.2	49.0	29.556	48.3 46.8	SW	194	0.069	0.085	0 C & B
9	45.2	46.7	29.780	45.7 44.3	SW	146	--	--	0 K
10	40.8	44.6	29.552	44.0 37.3	NW	178	0.238	0.255	bs. K
11	39.8	42.3	29.980	39.8 38.0	NW	118	0.034	0.031	0 K
12	40.2	42.2	30.104	40.2 37.8	N	97	0.010	0.004	bs. v.
13	36.7	41.2	30.100	36.7 35.7	NE	26	0.006	0.010	bs.
14	37.7	40.6	29.934	37.7 32.2	N	73	--	--	bs. K & B
15	40.2	40.4	29.768	40.3 39.3	NE	54	--	--	0 K & B.
16	38.7	40.5	29.580	38.0 37.3	N	88	0.017	0.023	0 r K
17	35.5	38.8	29.564	35.7 35.4	S.E.	31	0.073	0.022	0 f K & B
18	40.0	40.2	29.078	40.2 40.0	S	125	0.371	0.400	0 r K
19	41.5	44.0	29.038	41.7 38.8	SE	80	--	--	0 g K & B.
20	43.6	44.3	28.898	42.8 41.0	SW	227	0.247	0.313	0 K & B.
21	40.8	40.9	29.148	41.2 39.3	SE	257	--	--	bs. C & B
22	42.6	41.9	29.035	42.7 41.6	S.S.E.	204	0.250	0.292	76 K horizon
23	40.3	44.0	28.561	48.2 46.7	S.E.E.	225	0.773	0.777	61 K & B
24	42.7	44.0	28.832	45.0 41.8	SW	269	0.123	0.123	0 K & B. Look open 20 take same as Round.
25	38.2	40.3	28.746	38.2 37.8	NE	62	0.016	0.029	0 r K & B.
26	49.6	46.0	28.690	50.2 47.4	SW	306	0.349	0.455	0 g K
27	46.3	45.2	29.306	47.0 46.6	SW	144	0.053	0.117	61 K & B.
28	39.0	42.3	29.442	39.3 39.3	SW	66	0.010	0.032	0 K & B. fog.
29	39.8	43.6	29.076	40.3 39.7	SE	59	--	0.022	bs. v.
30	43.6	42.0	28.520	43.6 42.0	E	139	0.347	0.413	bs. K & C
	43.49	43.82	29.351				3.950	4.706	

1872

102.M.

Hygro.

Anemo.

Thermo.

November	E	ft	Barom.	dry wet	Dir	Sp	Max	Min	
1	40.6	45.2	29.706	40.6 40.4	SW	258	51.6	38.3	0 v K
2	44.6	46.0	29.794	44.3 44.0	WN	167	48.3	39.7	0 KKS
3	37.6	45.0	29.740	38.0 37.3	SW	68	51.2	37.0	61 KKS
4	54.3	49.8	29.238	54.5 52.3	SW	231	56.2	37.8	0 K Pillars of tower wet with condensed moisture
5	53.0	51.0	29.252	53.6 52.2	SWWS	244	56.5	48.7	0 9/16 K
6	46.6	50.3	29.484	46.6 43.3	SW	464	62.3	46.7	68 9/16 K
7	45.7	49.8	29.920	45.6 44.8	SW	250	53.3	43.0	69 9/16 K
8	44.3	48.2	29.938	44.2 44.0	SW	162	51.6	41.5	68 KKS
9	37.0	45.3	29.566	36.8 36.6	SWNW	155	50.0	36.5	0 KKS
10	35.3	42.7	29.990	35.0 33.5	WN	186	44.3	35.2	710. v. Moon
11	37.3	42.6	30.006	37.2 35.5	NWN	115	45.2	34.8	710. v. Moon
12	35.8	42.2	30.108	35.4 34.7	N	72	46.0	34.0	66 K
13	33.7	41.0	30.056	33.6 31.4	NE	82	42.0	31.6	0 K
14	36.0	40.9	29.910	35.6 34.4	N	116	42.2	32.7	66 K Heavy.
15	38.1	41.0	29.882	38.6 36.8	N	71	45.5	35.7	0 K
16	37.0	44.0	29.530	36.8 36.7	N	107	42.6	35.3	0 K Halo
17	35.8	40.0	29.133	35.6 34.2	SWNW	43	42.5	30.6	0 R.
18	34.3	40.2	29.241	34.0 34.0	W	75	45.0	34.3	62. KKS.
19	40.2	41.7	28.870	40.3 39.8	S	206	47.0	33.3	0 K
20	38.8	41.3	29.008	39.0 37.7	S	221	47.3	37.8	69 v K Moon Stars well defined
21	38.6	42.2	29.106	39.1 39.1	S	137	47.1	36.1	6.0 KSC Bright stars
22	41.2	44.4	28.912	40.8 39.6	E	201	46.9	36.7	0 2 K.
23	46.7	45.1	28.622	46.1 45.2	S.S.W	288	52.6	39.9	0 2 KKS
24	35.0	42.3	28.967	36.7 35.0	S	142	49.7	35.6	69 K
25	46.3	44.0	28.550	46.3 46.0	S	208	49.3	28.9	0 v KS.
26	43.7	45.2	28.900	43.7 43.0	SWWS	282	52.3	42.6	0 KKS
27	38.3	44.3	29.456	38.3 38.6	SW	74	49.3	38.7	69 K Great number of shooting stars as many as 10 in the minute.
28	37.3	42.5	29.276	37.4 37.3	ESE	70	43.6	35.3	0 K
29	42.7	44.0	28.670	42.8 42.7	SW	219	48.0	36.2	0 K.
30	44.5	44.0	28.388	44.3 44.2	E	181	48.5	38.5	0 9/16 K
	40.89	43.93	29.327				48.65	36.93	

48.8

1872	10. A. M.			Augro?	Unermo.		Ombr.		Wille bag Jug 788	
December.	E	A	Barom.	dry wet	Dir	Sp.	Square	Round.		
○ 1	45.0	43.8	28.596	44.8 43.8	EHS	114	0.669	0.774	h3	C K + CS
2	44.4	42.6	29.415	41.8 41.4	NE	81	0.069	0.085	o f.	KS.
3	38.0	41.0	29.498	37.8 37.5	NE	22	--	--	o f.	K
4	32.7	38.8	29.762	32.5 32.2	NW	30	--	--	h2.	Cals
5	39.0	38.6	29.302	39.2 35.3	SE	192	0.089	0.117	o n g	KS
6	43.8	42.0	28.994	44.2 42.2	NW	300	0.515	0.765	o	K + KS
7	39.5	41.0	29.080	39.6 36.2	SEW	160	0.010	0.006	h9 v.	K
○ 8	36.0	39.0	28.992	36.2 35.6	SEW	216	0.065	0.124	o	K
9	34.6	38.6	28.796	34.6 36.2	SE	151	1.332	1.835	h10. v.	
10	36.8	37.8	28.814	35.8 32.2	SE	102	0.018	0.012	D f.	KS.
11	32.3	36.0	29.382	31.8 28.6	NE	45	--	--	h2	K
12	28.7	34.3	29.788	28.3 34.0	E	36	--	--	o	Cals f.
13	34.0	36.0	29.394	33.8 36.3	SEW	134	--	--	o	K + KS.
14	36.5	35.5	29.344	35.8 35.7	NE	63	--	--	h5.	Cals
○ 15	35.3	36.5	29.574	35.7 40.3	NE	29	--	--	o	KS.
16	40.0	37.8	29.438	40.0 36.7	S	104	0.014	0.011	o	KS.
17	36.7	38.0	29.710	35.6 32.2	NW	148	0.613	0.767	o	KS.
18	32.3	36.3	29.482	32.3 40.7	NW	27	--	--	h5	C + CS + K
19	40.3	38.7	29.338	40.2 41.7	EBS	91	0.094	0.110	o	K + KS
20	41.7	39.3	29.232	39.3 43.7	EBS	117	0.041	0.047	o	K
21	43.3	41.0	29.216	42.9 50.4	SE	199	0.190	0.286	o g	KS
○ 22	50.0	43.3	29.344	49.7 50.5	SE	189	0.355	0.467	o	KS.
23	50.3	47.0	29.024	49.3 49.0	SE	308	0.184	0.251	o	KS.
24	48.6	46.5	28.734	47.5 45.7	SE	182	0.033	0.036	o n g	KS
25	45.6	46.0	28.526	44.4 39.2	SEW	231	0.266	0.363	h10.	
26	39.2	41.7	29.150	38.5 37.5	S	154	0.157	0.274	h8	K
27	51.0	48.3	29.552	50.6 43.7	S	411	0.302	0.343	o n g	K + KS
28	48.5	46.0	29.306	42.2 35.0	S	202	0.251	0.340	o	C + K. KS.
○ 29	35.2	42.2	29.644	35.0 35.0	SE	40	--	--	h10	
30	40.2	37.7	29.492	40.3 37.1	SE	170	--	--	o v	K + KS.
31	42.4	42.8	29.084	42.6 41.8	S	246	0.062	0.066	h2. v.	K
	39.93	40.52	29.239				5.369	7.029		

1872	10 P.M.			Hydro	Anemo		Thermo.		
December.	E	N	Barom:	Wind	Dir.	Sp	Max	Min	
1	43.8	44.0	29.023	43.8 42.2	E	145	49.3	41.3	65. K
2	38.0	43.0	29.476	37.8 37.8	NE	39	47.3	37.8	61.0 f.
3	35.7	40.7	29.618	35.3 35.0	N	41	44.0	34.3	66. KS.
4	32.0	38.2	29.716	32.2 31.4	SWBS	66	38.8	29.9	0 K
5	42.7	41.8	28.932	42.5 41.9	SW	298	48.2	31.5	0 g K. After storm
6	37.4	41.8	29.018	37.3 36.7	SWBS	238	47.8	37.6	69 K. Storm well defined - Overclouded after.
7	36.0	40.2	29.061	35.8 34.7	SW	232	45.5	35.7	68 KS.
8	35.5	38.8	28.582	35.5 35.2	NE	195	41.0	35.2	0 g K. Snow fell about 8.
9	31.3	37.0	28.834	31.3 31.0	SW	121	40.0	31.0	63. K+KS.
10	34.0	38.0	29.040	33.8 32.6	N	65	40.1	30.8	61.0 v. Moon.
11	28.8	36.0	29.622	28.6 28.7	E	22	37.2	28.3	67 f. KS.
12	31.3	34.2	29.562	31.3 30.4	SE	39	36.0	26.5	0 K
13	31.8	26.0	29.321	31.6 31.3	SE	91	38.8	30.6	62 Cr KS. Halo round moon
14	31.3	36.3	29.518	34.3 33.8	NE	77	40.5	28.2	0 KS.
15	32.6	36.3	29.196	32.6 32.3	E	22	39.6	31.8	0 K+KS.
16	41.2	39.3	29.145	41.0 40.1	E	110	45.9	31.7	0 K r
17	35.3	37.3	29.460	35.5 34.4	NE	115	44.0	33.0	0 K
18	39.6	37.8	29.286	39.6 39.8	KS	59	42.0	30.0	0 K K
19	40.6	39.2	29.376	40.8 39.3	SE	87	44.5	38.8	0 K
20	43.0	40.3	29.120	43.2 41.4	E	195	45.2	38.0	0 g K
21	44.5	41.8	29.452	44.7 43.2	SE	132	46.7	42.4	0 g K
22	50.3	46.3	29.310	50.7 49.8	SE	261	51.2	44.0	0 K g K
23	46.6	46.7	29.036	46.7 46.0	S	184	53.2	46.3	61. K+KS.
24	43.7	44.8	28.478	43.7 42.2	S	357	51.8	42.8	62. g K+KS.
25	41.7	45.3	28.781	41.6 40.3	SW	208	49.0	41.7	67. KS. Starlight
26	48.8	46.2	29.111	49.2 48.3	S	298	51.0	38.8	0 g K+KS
27	50.0	48.3	29.070	50.3 49.6	S	274	53.3	48.5	0 g K
28	38.3	44.6	29.460	38.2 38.3	S	68	52.6	39.2	66. K Star dim.
29	29.9	40.7	29.658	29.8 30.0	SWBS	39	42.0	30.6	61.0.
30	44.7	43.2	29.222	44.8 43.7	SE	317	47.0	31.0	0 g K
31	39.0	42.6	29.088	39.0 38.3	S	178	47.2	38.8	61.0 v. Definition very good.
	38.79	40.89	29.220				45.23	35.58	

[illegible]