

1867	10 AM			Hygro:	Anemo:		Ombro:					
January	E	A	Baro.	{ wet	Direct	Miles	Squ	R				
1	30	34.8	29.220	29.9	SW	50	page	page	0 m	6H & K		193
2	24	33.8	29.289	23.4	NNW	102	—	—	6 f	sn. H.S. Snow had fallen		214
3	24	32	29.612	23.2	SW & S	64	—	—	6 f	H. B (therm in North window = 13)		103
4	11.9	28	29.710	23	NW	41	—	—	6 f			96
5	33	29	29.582	32.9	E & S	113	—	—	0 v	H.S. (Clock had stop'd before mid. N)		113
6	38.2	33.5	28.905	38.1	SSW	217	0.534	0.660	6 f	X? dark		481
7	39.8	38	28.630	39.8	SW & S	146	0.216	0.140	6 f (wet fog)	dark		350
8	41.1	39.8	28.382	40.5	SW & S	91	0.234	0.249	6 v	H.S. X wind freshened 4 A.M.		193
9	40	40.5	28.588	X	NE & N	179	0.033	0.044	0 v r q	H.S. (+ Hyg. out of order the water pail burst by the frost)		447
10	35	38	29.252	X	N & W	157	0.023	0.035	6 v	6K. X (x 50)		368
11	29.5	38.5	29.701	29.8	N & E	50	—	—	6 m	6K (x 50) Heavy hills white		128
12	23.1	33.5	29.599	22.8	NNW	103	frozen	frozen	6 v	H.S. N snow in the night much deposited on hills		167
13	29	33	29.658	29.2	NNW	76	2	3	0 v sn.	H.S. N		149
14	22.9	31.5	29.782	24	WNW	41	—	—	6 m	S hoarfrost		113
15	17.8	28	29.919	23.1	SW	60	—	—	6 m	3 species of 6K		103
16	28.2	28	29.884	27.1	N & E	38	—	—	6 v	K (pink fog) snow fell 8 A.M.		187
17	18.8	26.5	29.570	24.1	SW & S	64	—	—	6 f			145
18	25	28.5	29.414	24.1	WNW	56	—	—	6 f	6K		92
19	26.6	29	29.672	25.1	N & E	56	—	—	6 f	some snow in the night		45
20	33.1	31.4	29.611	33.3	E	148	—	—	6 v q	H.S. X		265
21	32.8	32.5	29.632	30.9	E & N	213	0.023	—	0 v q	H.S.		468
22	33	32.5	29.596	31.9	SE & S	100	—	—	0 f sn	begin to snow at 7 1/2 A.M.		235
23	43.7	37.6	29.150	44.9	S	194	0.775	0.645	6 v q m	H.S. 6S		385
24	44.8	41.4	28.972	44.8	SW & S	176	0.142	0.168	0 f	H.S.		368
25	43.1	41	29.384	43.8	W	134	0.015	0.028	6 v	H.S. X		290
26	39.5	39.9	29.596	39.2	SE	78	0.097	0.163	0 v? m r v			148
27	48.6	45	29.616	48.8	SW	218	0.393	0.600	6 v? m	6H. 6. S		469
28	46.5	47	29.209	43.8	SW & S	291	—	0.080	6 v q	H	Bar. heaving	525
29	48.6	46	29.350	48.2	SW & S	214	—	0.599	0 v	H.S.		214
30	42.1	43.5	29.305	42.3	SW		0.237	0.556	0 v q	6S. 6		
31	38	40.6	29.806	36.6	SW & S	166	0.067	0.060	6 m	6S		
	33.27	35.40	29.406				2.987	4.027				
							3.666					

1867	10 P.M.			Hygro:	Anemo:		Thermo:		N.B. At these low temperatures the minimum Therm: was observed to read 1 Deg. in excess of E.	
January	E	A	Bar	{Wet}	Dir:	Mils	Max:	Min:		
1	29.2	35.2	28.896	28.2 29.2	S	112	35.2	25.0	ov	KS heavy snow fell aft. 2 P.M.
2	15.	30.6	29.453	50th below graduation	SWbS	39	33.8	15.8	b ₁₀ f	much snow on ground.
3	14.4	27.3	29.687	80	SW	35	27.2	14.8	b ₁₀ f.	do
4	11.8	26.2	29.776	80	NW	clock stop	22.?	10.0	b ₁₀ f.	thick fog during evening
5	33.8	32.4	29.010	33.5 33	EE	264	37	12.0	ov gq	in. KS Bar head
6	43	36.	28.700	43.1 43	S	134	45	32.0	ov	KS. N
7	44.8	38.5	28.345	45.4 44.4	SE	102	47.	39.4	o.g.	KS. ? Sirius vis. through cloud.
8	41.6	40.	28.480	42.2 39.2	SE	268	46.6	40.0	o.g.	q.
9	36.6	39.	28.891	35.6 34.7	NNW	211	44.4	36.3	o.g.	KS. ?
10	31.5	37.3	29.472	34.2 30.6	NWbN	78	41.1	31.3	b ₉ v.	S round horizon dew frozen on roof.
11	27.	35.	29.641	27.6 26.6	WSW	64	35.1	26.5	b ₂ v.	KS. S.
12	22.4	32.5	29.631	27.5 27.2	WNW	73	33.2	22.0	b ₂ v.	KS. K
13	25.8	33.	29.559	25.8 25.8	W	72	32.	22.5	ov	KS
14	20.4	31.4	29.855	24	SW	47	32.5	19.8	b ₇ v.	CS.
15	14.5	28.	29.936	—	SW	49	26.6	13.4	b ₁₀ f	Rainbow Corona to moon
16	18.1	29.3	29.810	—	NW	87	33.8	15.4	b ₁₀ f.	
17	20.3	27	29.413	—	SW	36	27.	14.6	b ₁ f	GK K (ink frozen)
18	18.	28.1	29.587	—	NNW	9	31.8	14.2	b ₁ f	CK. K.
19	32.	30.2	29.614	32. 32	NE	117	35.	17.0	b ₁ v	K. KS like N. W. snow 2.30 to 4 pm
20	33.2	32.2	29.640	33 30	ENE	255	36	28.5	ov	KS same than
21	31.6	32.	29.634	31.4 29	ENE	135	36	31.0	ov	KS CS
22	34.2	34.	29.285	34.1 33.3	E	191	38	31.0	ov r	KS rapid thaw beg at 11.30 AM
23	46.1	39.2	28.929	46.3 45.8	SE	192	48.5	33.5	ov g	KS singularly soft air
24	44.3	41.5	29.040	45.4 44.2	SW	156	48.2	41.5	o.g.	
25	39.	41.3	29.700	39.1 38.6	WSW	170	47.2	39.3	b ₈ f.	round horizon.
26	50.2	44	29.370	50.1 50.0	NWbS	251	53	35.6	og g	
27	50.	47.5	29.472	50.2 48.5	SWbS	234	55	44.5	b ₉ g	KS very dark all round horizon
28	41.2	44.2	29.592	41.4 40.	SW	*	52.6	40.5	b ₃ g. g	CS. KS. * clock stop
29	43.	46.3	29.179	42.6 42.5	SW		53.2	39.8	b ₈ v	q. KS all round horizon
30	37.3	42.5	29.435	37.4 36.2	SW	175	42.2	37.0	b ₅ v	very heavy showers during evening
31	45.7	48.8	29.583	45.8 45.8	SW	210	47.	44.5	og g r	KS.
	31.81	35.34	29.374				39.31	27.71		
							36.5	28.0		

1867	10 AM			Hygr	Anemo:		Ombro				
February	E	A	Bar.	{ ^{dry} wet}	Dir ⁿ	Miles	Squ.	R.			
1	49.2	45.2	29.561	49.2 48.2	SEW	203	0.678	0.227	o v q	KS	413
2	40.9	42.	29.931	41. 37.7	SW6W	266	0.052	0.144	b v m	q	540
3	40.1	41.	30.040	40. 38.2	SW	195	0.058	0.109	b v m	K. C. K. C. S. S	415
4	42.9	44.5	29.119	43.5 41.6	SW	269	0.189	0.327	b v q	K KS	550
5	41.	41.	28.904	41. 39.7	SW ¹ / ₂ W	235	—	—	o v	KS	458
6	37.	42.	28.465	36.9 35.9	W ¹ / ₂ S	226	0.744	1.098	o v n	K KS N	465
7	35.4	39.	29.359	35.4 34.6	SW6W	170	0.234	0.334	b v q	K KS	311
8	45	43.	28.853	45.1 43.2	SW6S	263	0.384	0.513	b v q	K KS	468
9	41	42.	29.631	41. 39.4	SW6W	119	0.114	0.140	b v	K lowdown in N	396
10	46.9	45.	29.397	47.2 44.3	SSW	313	0.130	0.174	b v q	C. C. C. S. K	495
11	39	40.	29.739	39.1 37.9	SW	202	0.149	0.186	o v q	KS C. K	432
12	48.1	44.6	29.918	49. 47.5	SW	150	0.015	0.055	o v	KS	346
13	47.4	45	30.060	48.1 46.4	SW	149	—	—	b v	K KS	274
14	45	45.	30.160	45.2 44.9	N6E	47	—	—	o f	—	147
15	43.7	44	29.702	44.1 41.9	E6N	102	0.015	0.016	b m	C. C. K	237
16	43.1	44	29.440	43.9 43.2	SW6W	17	—	—	o f	K?	67
17	38	43	29.792	38.5 38.3	NNE	18	—	—	o f	—	46
18	46.9	45	30.029	47.6 46.	SE	159	—	—	b v m q	KS	233
19	46.	45.6	29.934	46.1 45.1	SE	274	0.092	0.153	o v q r m	KS	523
20	48.8	47.	30.140	49.2 47.2	SEW	143	0.020	0.018	o v m q	d KS	349
21	51.0	44	30.167	52.2 51.	WSW	175	0.030	0.128	o v	KS K	391
22	50.2	48.8	30.050	51. 49.9	SW	224	trace	trace	o m d q	KS	321
23	46.1	46.	30.260	46.2 44.1	SW6W	181	—	—	o v m	C. S.	335
24	47.7	47.8	29.828	48.5 48.2	W	275	—	—	o v q	K. C. S.	440
25	44.8	45.6	29.934	45.1 40.9	WSW	148	—	—	b v	C. S. KS	362
26	41.3	45.5	29.883	42.1 38.1	NE	37	0.143	0.288	o v	KS	217
27	37.7	42.5	29.866	38.5 35.5	NNE	56	—	—	o m	KS?	109
28	41.0	41.5	29.980	40.0 37.6	E6S	98	—	—	b m	K	206
	43.7	43.84	29.718				3.055	4.57			9546
								4.407			

1867	10 P.M.			Hydro	Anemometer		Thermometers		
February	E	A	Baro:	{ Wet	Dir ⁿ	Force	Max.	Min.	
1	42.5	45.2	29.645	42.5 40.2	SW	274	53.9	42.5	b ₁₀ . v. g.
2	38.1	42	30.095	37.4 36.3	SW	220	47	36.5	b ₁₀ v
3	47.3	45.2	29.514	47.6 46.8	SE	281	49.2	34.5	b ₁₀ d g KS (4 or 5 stars thro' the cloud)
4	34.8	40.7	29.128	34.8 33.5	SSW	223	49.5	35.0	b ₁₀ . v. KS. CB
5	45.3	44.	28.481	45.2 45	SWbW	239	50	34.8	o g?
6	36.9	40.4	28.900	36.7 36.1	WSW	141	47.7	35.0	o. g.
7	41.7	40.	28.911	41.9 41.5	SSW	204	44	33.0	o g. g
8	40.2	43.5	29.076	40.2 39.6	SWbW	277	50	39.5	b ₁₀ g d KS?
9	41.8	41.5	29.337	42.1 41.1	SE	182	46	36.0	o g g
10	36.9	43.	29.393	36 35	SW	230	52	36.0	b ₁₀ v C. CB KS
11	46.	43.5	29.783	46.5 46.5	SW	196	48.6	36.5	o. v. KS.
12	44.6	45.	30.037	44.7 44.4	SW	125	53.	43.9	b ₁₀ v CB. KS
13	47.8	45.5	30.168	47.3 46.	WSW	100	57.6	44.2	o. v. m. KS.
14	43.8	45.2	29.975	44.1 43.	SE	135	50.7	42.1	o. v. KS.?
15	44.7	44.4	29.420	44.1 44.1	E	50	48.3	38.6	o. m. CK. K.
16	41.4	45.4	29.600	41.4 41.2	NTW	28	50.5	40.6	o. f. CK. 3 visible through cloud
17	43.1	44.	29.910	43.3 42.9	SE	74	45.5	36.0	o. v. CK
18	46.6	46.3	30.030	47. 46.3	SSW	249	50.8	43.2	o. v. KS. flowing hard but not squally.
19	45.5	46.	30.030	46. 45.5	SW	206	57.3	44.1	b ₁₀ . v. K.
20	50.	48.1	30.058	50.5 49.	SW	216	54.	44.4	o. v. KS.
21	48.7	49.1	30.173	49.3 48.5	SW	97	55.3	49.4	o. v. KS. S
22	45.1	48.	30.165	45.2 45.5	WbS	204	54.2	45.3	o. v? CB. KS few stars through cloud.
23	45.1	47.1	30.079	45.3 45.3	SW	165	52.5	41.1	o. g.
24	43.9	46.6	29.958	44. 43.2	WSW	214	51.	43.5	b ₁₀ g KS clear at 7 ¹ very dark below
25	44.2	47.	29.785	44. 44.2	WNW	180	51.	41.0	g. d
26	35.	43.2	29.894	35.2 34.7	SE	53	46.8	34.9	o. v. CS. KS. some stars through cloud
27	36.1	41.1	29.900	36.3 34.9	SE	100	42.	33.0	o. g.
28	34.7	41.2	30.187	34.6 33.7	SE	134	45.	35.3	b ₁₀ . v. KS?
	42.56	44.37	29.705				49.42	38.24	
							49.7	39.3	

1867	10 AM			Hydro	Anemometer		Ombro		
March	E	A	Baro	Temp wet	Dir.	Spac	Squ	R	
1	42.1	41. -	30.284	42. - 4 38. - 6	S	131	-	-	6 m some specks of R 265
2	43.1	43. -	30.462	43. - 7 40. - 2	S	172	-	-	0 m BS 340
3	33.1	39. -	30.554	33. - 8	SELS	27	-	-	6 f 158
4	41.9	41. -	30.433	42. - 2 40. - 9	NNE	57	-	-	f 134
5	41.4	41. -	30.187	41. - 5 36. - 7	NE	71	-	-	6 v C BS 197
6	40. -	42.1	29.824	40. - 3 37. - 7	NE	76	afew drops fell at 2.30 PM	o. v. KS. (at 9.11 = 40.3) Bar: 29.576 41.5	294
7	37.6	39.5	29.642	37. - 9 36. - 9	NE	105	-	-	o v q KS. Bar heavy. 310
8	35.7	37.5	29.600	35. - 9 36. - 9	NE	246	quases perfectly unperturbed dry	-	o v q KS. ground white with ice. 0 100 f hard 2 522
9	36.1	37.8	29.406	36. - 9 33. - 1	NE	208	-	-	o v q m sl. KS Bar heavy 400
10	38.1	38. -	29.246	38. - 2 37. - 6	NE	67	0.064	0.066	o v m KS 266
11	34. -	38. -	29.473	34. - 6 33. - 3	E NE	175	0.028	0.070	o m. sn. KS 331
12	34. -	34.8	29.669	34. - 7 33. - 5	NE	253	-	-	6 v q KS KS snow last night 493
13	31. -	35. -	29.682	31. - 5 30. - 5	E NE	242	-	-	o v q KS Bar heavy 502
14	32.7	34.8	29.470	32. - 4 31. - 9	NE	455	-	-	o v m KS BS 455
15	33.9	34.5	29.709	33. - 4 30. - 1	N	59	-	-	6 v KS 228
16	34.7	34.5	29.864	34. - 2 29. - 2	N	13	-	-	6 v KS 103
17	34.7	37. -	29.798	34. - 8 29. - 5	EBS	98	-	-	6 v q N. C. 184
18	33.1	35.1	29.542	33. - 7 31. - 7	SEBS	290	-	0.010	o. v. q slight snow showers 530
19	34.6	35.2	29.350	34. - 5 29. - 3	SE	240	0.011	0.018	6 v. K. C. much snow on ground 445
20	36.6	35.2	29.496	36. - 4 33. - 9	E NE	153	-	-	6 v q KS 316
21	36.5	35.2	29.532	37. - 1 32. - 1	EBS	123	-	-	o v m q KS 254
22	36.8	37. -	29.262	36. - 8 32. - 8	E	272	0.110	0.214	o v q m KS snow in night till 9 till 487
23	45. -	41. -	29.048	45. - 1 44. - 2	ESE	251	0.430	0.450	o m q r KS. N. 394
24	51.4	43. -	29.206	51. - 9 49. - 9	SW	121	0.315	0.228	6 v N. C. 385
25	45.7	45. -	29.106	45. - 3 44. - 8	ESE	123	0. -	0. -	o v m q. sl. KS 265
26	47.1	45.8	28.652	47. - 8 46. - 8	WSW	324	0.502	0.551	o. v. q KS. 548
27	42.4	44.8	28.955	42. - 2 40. - 3	W	155	0.100	0.118	o v q. d. KS. 302
28	43.3	41.5	29.006	43. - 4 42. - 8	WSW	144	0.108	0.176	o v KS 349
29	44.1	43. -	29.341	44. - 6 41. - 9	SW	114	0.041	0.032	o v m q r. KS 264
30	41. -	43.4	29.476	40. - 1 39. - 4	W6N	186	0.070	0.137	o v m q r KS. N. Bar heavy. * "dry hills" with dry rain 331
31	46.1	43. -	30.044	46. - 2 40. - 2	W6N	108	0.065	0.134	6 v. KS. C. 218
	38.94	39.25	29.577				1.844	2.204	

1867	10 P.M.			Hyg	Anemo		Thermo		
March	8	4	Bar	dry wet	Dir.	Space	Mass	Min.	
1	40.1	43.5	30.350	40.5 38.1	S	176	47.1	35.0	o. g.
2	35.	43.7	30.537	34.8 34.	SE	131	49.	36.3	b ₁₀ . V
3	35.8	42	30.500	35.7 34.1	SE W	77	47	27.0	o g
4	42.9	43.5	30.337	43.1 42.	NE	126	50.	33.8	b ₅ . V. KS.
5	34.9	42.	29.993	34.7 33.4	NNE	128	46.8	32.7	b ₁₀ . V.
6	36.7	41.2	29.748	36.9 31.9	NE	123	45.3	34.5	o. g. very bright Aurora behind clouds
7	34.	39.	29.690	34.1 32.	NE	276	42.8	33.6	b ₅ . V. g. KS. { a band of auroral light across the sky from E to W. passing the zenith. occasional snow showers
8	35.6	37.5	29.525	35.8 31.	NE	280	40.1	32.5	o. g. g. KS.
9	33.3	38.8	29.272	33.6 32.6	NNE	199	40.4	34.4	o. g. snow.
10	35.3	39.	29.392	35.8 34.3	NE	156	42	29.5	o. v. g. KS
11	32.6	35.6	29.600	32.6 29.1	NE E	240	39.	30.7	o. v. SN: KS. blowing half gale.
12	31.9	36.	29.752	32.1 28.9	E NE	260	40.5	29.0	o. v. g. KS
13	30.9	34.	29.493	31.1 30.	NE E	Collected slight	37.	28.0	o. v. KS
14	33.6	35.4	29.634	33.9 31.4	NNE	169	38.1	28.2	o. v. CK. KS.
15	26.6	34.1	29.755	26.1 25.9	NNE	90	38.6	26.6	b ₁₀ . V.
16	28.7	35.2	29.895	28.1 27.1	E b N	86	40.	22.5	b ₁₀ . m. V
17	33	35.	29.502	33.1 32.	E	240	40.5	23.0	o. v. KS blowing very hard
18	30.2	34.	29.343	30.3 30.	NE E	245	36.8	28.3	o. v. SN. KS. snow pretty deep.
19	31.6	35.2	29.384	31.4 31.	NE	163	39.2	28.8	b ₆ . V. CS. KS.
20	31.	37.3	29.578	30.8 29.1	NE	131	40.2	31.1	o. H. CS. KS. stars visible through CS.
21	35.6	36.6	29.421	35.9 32.3	E E E	215	40.	29.6	o. v. g. KS. davy's fog hard cut full & to town
22	39.9	39.3	29.355	40.2 39.5	E	143	45.6	31.8	o. v. KS.
23	42.6	42.6	29.074	42.9 41.3	SE W	264	52.5	39.7	b ₁₀ . V.
24	45.9	46.	29.252	46. 45.5	SE	144	53.5	39.5	o g
25	46.5	45.6	28.730	46.4 44.4	SE	224	52.5	41.6	o. g. g. N.
26	44.	46.1	28.950	44.3 43.4	SW	147	54.1	44.3	o. g.
27	36.2	43.3	29.000	36.3 35.1	SE W	205	48.7	36.5	b ₈ . V. KS.
28	40.3	43.4	29.287	40.6 38.8	W b N	150	50.	35.5	b ₃ . V. KS.
29	39.4	43.5	29.478	39.3 36.3	W b S	145	47.5	35.8	b ₄ . V. KS.
30	38.7	42.2	29.773	39. 36.5	NW b W	207	48.1	36.5	o. g.
31	35.4	45.	30.107	35.2 33.3	SW	72	43.	38.0	o. g.
	36.04	39.86	29.639				44.19	32.33	
							44.4	32.7	

1867	A.M.			Hydro:	Anemom:		Ombro:				
April	E.	A.	Bar.	Temp wet	Dir	Space	Sq.	R.			
1	52	46	30.028	53.2 50.9	SPW	225	—	—	o v q	LS	297
2	52.8	48.5	29.992	54.2 50.4	W $\frac{1}{2}$ N	189	—	—	o v q	LS. K	412
3	49.9	48.	30.063	51.4 45.3	SPW	114	—	—	o v m	LS. LS	298
4	49.9	49.2	29.667	46.1 51.7	W	208	0.115	0.202	b v q	LS. N to SW	401
5	53-	49-	29.784	52.2 49-	SW	138	0.014	0.037	o v d	LS	315
6	51.3	49.8	29.829	52.2 49-	W	275	0.020	0.070	o v q	LS	275
7	55.5	50.5	29.574	52.2 48.8	S	146	—	0.006	b v	K. LS. G; N. GK Bar heads	197
8	49.8	47.9	29.065	48.4 45.9	SW	213	0.028	0.224	o m d	LS. Bar heads Birds sing great burst of sea-fog	449
9	44.5	46.8	29.452	43.9 42.2	W $\frac{1}{2}$ N	301	0.100	0.230	b v q m	K. N	555
10	44.9	45-	29.335	45.4 44.2	S	120	0.057	0.068	o m q	LS N	394
11	42.6	46.	29.530	40.8 40.5	NW	18.5	0.193	0.317	b v m + q	K. G. N Bar heads	476
12	47.7	45.2	29.884	48.5 43.3	SEW	98	—	0.021	o v	LS. K	244
13	49.8	46.5	29.533	50.5 46.8	SWW	190	0.112	0.213	o v d	LS. NW	433
14	44	49	28.803	43- 40.7	SW	295	0.008	0.493	b v m q (rain W)	K. LS. N in WNW	578
15	48	47	29.336	49.2 44.7	W $\frac{1}{2}$ N	187	0.318	0.598	b v q	K. LS	493
16	51	46.5	29.355	52.2 50.7	SW $\frac{1}{2}$ S	162	0.038	0.035	o m d		305
17	50.4	47.6	29.605	51.7 46.1	W $\frac{1}{2}$ N	56	0.-	—	o v	LS	170
18	50	49.	29.572	50.9 48.8	SE	102	0.126	0.125	o v? m d	LS	197
19	53.5	50.5	29.118	54.1 51.3	S $\frac{1}{2}$ W	176	0.078	0.076	o v m q r	LS	331
20	47.3	49.	28.924	48.8 43.5	W $\frac{1}{2}$ N	367	0.163	0.196	o v	LS	367
21	46.4	46.2	29.115	47.4 42.9	NW $\frac{1}{2}$ N	158	0.074	0.095	b v q	K. LS	282
22	51.2	47.2	29.476	52.1 46	SPW	106	0.080	0.092	o v m	LS	242
23	58.8	50.5	29.350	60.1 54.1	SW $\frac{1}{2}$ S	168	0.122	0.135	b v q	LS. G	335
24	54	51.2	29.302	55.7 50.9	N	50	0.904	0.930	b v	LS rain till 5 A.M.	191
25	43.2	48-	29.700	44.13 41.	E	108	0.200	0.202	o v	LS	193
26	46.8	47.8	29.320	47.7 45.5	S	192	0.018	0.010	o v m q r	LS	285
27	50.1	47.8	29.215	51.6 47.7	SW	48	0.146	0.155	o v h	LS. K	174
28	50.1	47.5	29.460	50.9 45.2	SEW	96	0.144	0.150	b v	L	170
29	52.	49.	29.550	53.3 48.9	SS E	141	lost	0.211	o v q	LS. LS	313
30	54.8	50.4	29.356	56- 51.5	SEW	251	0.130	0.158	b v d	LS LS K	611
	49.84	48.09	29.477				3.188	4.249			
				43.11			29.75	5.049			
				313			3.399				

1867	Bar.			Hydro	Anemom.		Thermom.		
April	S	A	Bar:	dry wet	Dir:	Sp:	Max:	Min:	
1	51.	48.8	29.973	51.5 } 50.9 }	SW	223	58.	42.4	o. g.
2	46.	48.8	30.110	48.7 } 48.5 }	W ² S	184	54.5	46.4	68. v. KS to S horizon
3	49.2	49.3	29.835	49.6 } 48.4 }	SW ⁶ N	193	59.	45.0	o. g. cl. same blackbirds sing today
4	45.8	49.	29.811	46.1 } 45.7 }	W	177	54.1	46.1	o. g.
5	48.3	49.7	29.812	48.8 } 47.2 }	W ⁶ S	clock not wound	59.2	43.9	o. g.
6	49.3	50.3	29.784	49.8 } 48.4 }	W ⁶ S	51	55.5	48.5	o. g. cl. More songs of birds today
7	43.6	48	29.276	43.4 } 42.2 }	SW	235	57.	42.5	6 v. q. R.C.K. frequent dashes of rain all day
8	42.7	47.4	29.284	41.7 } 40.7 }	W ⁶ N	254	54.	42.1	6 v. mg N ² K in W. 80 slight aurora
9	41.3	47.3	29.617	41.1 } 39.1 }	W ⁶ S	274	51.5	41.5	6 v. K in N ² faint halo
10	41.7	46.1	29.095	41.6 } 39.8 }	SW ⁶ N	293	53.2	38.3	6 ² v. q. K. Ks.
11	38.	46.2	29.895	38.7 } 44.7 }	W	146	51.	38.5	6 v. K. Ks.
12	44.4	46.1	29.594	44.7 } 44.7 }	SW	263	52.	36.5	5 v. K. N light flashes in ESE
13	50	49.2	29.243	50.4 } 49.9 }	SSW	283	54.5	42.0	o v q ^d Ks
14	43.8	47	28.932	43.7 } 41.2 }	W	306	54.	42.2	6 v q. R. dist thunder before noon. at 1.20 B=28.743.
15	42.9	47.2	29.501	43.1 } 40.1 }	WSW	143	53.	42.5	8 v. Ks
16	45.2	48	29.520	45.6 } 44.1 }	W	114	54.2	41.5	o v. Ks
17	49.1	49.5	29.650	49.7 } 48.2 }	SW ² S	95	55.	43.0	o v. Ks
18	49.1	49.1	29.263	49.1 } 47.8 }	SE	155	54.3	48.6	o. v. Ks. N. rain soon after.
19	47.5	50.2	28.988	48.8 } 46 }	S	cord of clock broken	59.7	48.2	o. v. Ks. very heavy showers during day
20	41	48	29.020	41 } 39.2 }	NW ⁶ W	724	53.	41.0	6 v r. Ks
21	45.1	48.1	29.412	45.3 } 43.9 }	W ² N	186	53	36.0	o g. Ks?
22	50.1	49.1	29.353	50.3 } 49.8 }	SW	167	53.	42.0	o. g.
23	48.1	51.3	29.310	48.3 } 48.1 }	S	141	58.	48.8	o. g. 2. Thunder 3.30 PM. hail & heavy rain
24	42.2	51.	29.540	41.9 } 41.6 }	NNE	85	58.	42.0	g. d
25	43.8	48.2	29.561	44.1 } 41.6 }	SE	93	50.7	40.4	.g.
26	44.5	48.2	29.255	44.7 } 44.3 }	S ¹ / ₂ E	126	52.1	44.0	.g. 2.
27	41.9	49.	29.272	42.3 } 41.1 }	S	74	56.	42.0	o g. ? Ks. Ken North Thunder about PM
28	44.2	49.3	29.614	44.1 } 43.8 }	SSS	172	58.	38.0	6 v. Ks
29	48.8	49.4	29.325	49.2 } 48.2 }	SSS E	360	55.	41.3	.g. 2. a heavy gale
30	44.0	49.8	29.602	44.1 } 43.5 }	WSW	122	60.2	44.9	6 v. Ks to S horizon
	45.42	48.52	29.415				54.94	42.32	
							55.1	42.7	

1867	Wind			Hydro	Thermo		Ombro				
May	E	A	Bar	dry wet	Dir	Sp.	Sq	R			
1	52.6	48.8	29.751	53.9 47.9	W6S	78	0.192	0.230	6v	K BS KS	200
2	50.8	50.	29.827	52.9 49.6	SE	78	—	—	ov	KS	149
3	58.4	53.	29.823	59.7 55.7	SEW	83	0.010	0.006	ov	KS	182
4	59.7	53.8	29.764	61.1 55.8	SESS	130	—	—	ov	CK BS KS	231
5	58.7	53.2	29.655	60.4 54.4	S	205	0.054	0.050	ov h	KS. BS	362
6	58.	54.5	29.652	58.6 54.7	SESS	159	—	—	ov	KS	312
7	59.6	55.4	29.804	60.1 53.9	SW	126	—	—	6v	K. C.	287
8	61.	56.2	29.655	61.8 64.8	E	95	—	—	6v? h	a severe blight on shrubs &c	191
9	60.7	56.8	29.532	61.9 58.7	SE	178	—	—	6v	K	356
10	59.	57.	29.526	59.8 53.3	SW6S	159	0.574	0.550	6v	K	297
11	53.3	56.	29.186	54.1 53.3	SESS	93	0.582	0.630	ov	KS. N at north	241
12	52	56.	29.385	53.8 51.5	ES	121	0.062	0.071	ov h	KS	254
13	41.9	48.6	29.505	43.1 38.6	ESN	193	0.383	0.560	ov	KS windy & unsteady	364
14	45	48	29.676	45.2 41.	ES	148	—	—	ov q	KS	300
15	47.4	49	29.822	49. 41.7	E	83	—	—	6v	BS. KS. K ash in leaf	232
16	51.7	49.5	29.876	52.6 45.5	S $\frac{1}{2}$ W	76	—	—	ov h	KS	159
17	52.5	49.2	29.762	53.5 41.5	SW	142	0.292	0.288	ov m r	KS	320
18	57	51.5	29.784	58.5 52.5	SSS	64	0.075	0.075	ov	BS. KS. L.	118
19	57.6	51.	29.661	58.1 52.	SENE	46	—	—	6h		142
20	53.9	53.4	29.509	56.4 50.9	ES	134	—	—	ov? h	KS	250
21	48	51.5	29.742	49. 43.8	NE	143	0.310	0.426	6v h	K. BS	288
22	47.5	50.	30.018	49.8 39.1	N $\frac{1}{2}$ W	40	—	—	6v	K	165
23	48.7	48.8	30.111	49. 40.1	NE	22	—	—	6v	K	115
24	49.3	49.8	29.999	53.1 43.1	NE	53	—	—	6v	K	118
25	48.	50.8	29.846	49.4 44.	ES	91	—	—	ov q	KS	203
26	45.1	49.1	29.355	45.7 44.7	ESN	196	0.340	0.461	ov. q. 2.	KS.	353
27	59.	53.1	29.120	61.6 56.4	SE	212	0.340	0.380	6v.	KS. K. CK.	382
28	51.8	51.6	29.153	53.6 51.6	ESS	150	0.482	0.410	ov.	2. KS. K	350
29	55.5	54.1	29.631	52.4 52.4	SSW	140	0.122	0.130	6v.	K. KS. C. CK.	340
30	62.0	53.5	29.808	63.5 58.2	W	20	0.120	0.115	6v.	K. CK.	144
31	59.6	54.1	29.773	55.7 53.	ESS	106	—	—	ov.	KS. S.	153
	53.70	51.85	29.669				3.878	4.392			

1867	P.M.			Hydro	Anemo		Thermo			
May	E	A	Bar	Wet	Dir.	Space	Max	Min		
1	47.6	51.2	29.718	48.2	S	71	61.	41.5	b. v.	K.
2	49.1	51.2	29.803	49.7	SW	99	57.1	45.5	o. g.	cl.
3	52.4	52.5	29.795	52.4	S $\frac{1}{2}$ W	101	65.1	49.5	o. g.	KS?
4	52.	53.2	29.706	52.7	EbS	157	62.5	51.5	b. v.	KS
5	53.1	55	29.610	53.2	SSE	153	63.	52.0	o. v.	K
6	52.1	56.1	29.628	52.	SW	141	66.1	52.2	b. v.	KS.
7	52.2	57.4	29.847	52.7	SbE	96	66.1	49.3	b. v.	KS.
8	53.3	58.3	29.527	53.7	ESE	178	69.1	50.5	b. v.	CS. KS. Showers after 4.30
9	52.7	58.5	29.625	52.6	EbS	138	67.	52.5	o. v.	KS. Sudden rain at 9.15 PM
10	52.5	57.5	29.450	53.1	SE	148	64.2	48.0	o. v.	KS. CS. showers during evening
11	53.4	57.	29.312	54	SSE	133	63	50.5	o. v.	KS. K
12	42.2	52.	29.404	42.2	NE	171	58.5	42.0	o. v.	KS.
13	43.6	49.	29.600	44	ESE	152	47.2	36.5	o. v.	KS
14	43.7	49.	29.745	44.5	NE	149	49.7	40.4	o. v.	KS.
15	41.8	50.5	29.990	42.1	EbS	93	54.	41.5	b. v.	KS. KS
16	45.3	48.9	29.813	45.7	SbE	186	54.2	40.4	o. v.	KS.
17	50.2	51.1	29.800	50.6	SSW	54	58.1	43.7	o. v.	KS. thick soft rain
18	46.7	50.0	29.755	46.4	W	96	62.	46.5	b. v.	KS. in NW - one streak of C
19	53.8	55.	29.368	54.8	EbS	116	64.	41.4	o. v.	KS. KS
20	47.8	53.1	29.526	47.1	SE	145	59.	47.5	o. v.	KS.
21	41.	51.6	29.910	41.6	NEbN	125	54.	41.5	b. v.	S.
22	40.1	52.	30.107	40.7	NW	93	58.2	40.0	b. v.	
23	41.9	52.1	30.062	41.8	SE	65	55.	36.5	b. v.	
24	41.2	50.1	29.952	41.3	E	112	52.8	38.5	b. v.	
25	46.	50.	29.634	46.4	NEbE	157	52.1	42.5	o. v.	KS. S.
26	50.	51.7	29.176	49.7	SEbE	170	53.	44.5	o. v.	KS. KS. rain all day until now -
27	50.2	52.5	29.240	50.6	SSW	104	62.1	50.5	b. v.	KS. KS. CK. Thunder shower at 1 PM
28	49.9	53.7	29.369	49.3	S	200	63.	47.5	b. v.	KS. CK. S. Bar = 29.147 E = 55.0
29	49.5	52.2	29.713	49.6	S	124	64.	48.6	o. v.	KS. KS.
30	50.9	52.4	29.831	51.6	SbE	53	66.3	46.5	b. v.	C. CK.
31	53.7	54.2	29.665	53.6	WSW	153	59.7	49.8	o. g.	S. KS.
	49.17	53.16	29.641				59.56	45.07		
							59.9	45.5		

oak in leaf

Showers after 4.30

Sudden rain at 9.15 PM

showers during evening

KS. KS.

KS.

KS.

KS.

KS.

KS.

KS.

KS.

KS.

KS.

KS.

KS.

KS.

KS.

KS.

KS.

KS.

KS.

KS.

(at 12 $\frac{1}{2}$ PM)
(at 12 $\frac{1}{2}$ PM)

1867	Air:			Hygro:	Anemo:		Ombro:				
June.	S	A	Bar	Wind	D	S	Sq	R			
1	63.5	56.2	29.740	64. 57.2	W	27	0.083	0.087	b. v.	K. KS	253
2	61.4	56.2	29.715	62.7 56.4	W	68	0.014	0.010	b. v.	K. CK (a 19 th H)	218
3	60.	57.	29.735	61.8 56.5	E	37	0.087	0.066	b. v.	K. CK	153
4	59.4	57.5	29.748	61.4 54.3	Wb N	44	0	0.060	o. v.	K. KS. n	91
5	61.	58.3	29.323	62.1 56.1	SW	177	0.333	0.353	b. v.	K. CK. n. <i>occasional showers</i>	239
6	55.5	57.3	29.265	58.7 53.7	SW	143	0.123	0.143	b. v.	K. KS.	365
7	50.	56.	29.592	57.4 46.1	NTW	87	0.034	0.044	o. v.	K.	220
8	48.4	52.2	29.696	49.1 47.5	S	46	0.050	0.043	o. m.	K. KS. n	115
9	61.8	55.4	29.922	62.8 58.3	SWb W	126	0.055	0.068	b. v.	g. KS. CS. c	246
10	64.7	59.1	30.047	66.2 60.5	SWb W	138	—	—	b. v.	K. CK	320
11	67.5	60.2	29.968	69.7 59.6	SS E	141	—	—	a. v.	c. CS.	195
12	64.	61.2	29.921	66.9 58.9	SW	91	—	—	b. v.	K. CK.	255
13	58.1	58.3	29.865	59.6 57.	Wb N	70	—	—	b. v.	K. CK.	130
14	57.8	58.	29.751	55.4 49.8	NTW	66	—	—	b. v.	K. S. KS. CK.	149
15	57.4	56.	29.990	53.8 46.3	NTWb N	55	—	—	o. v.	K. KS	136
16	56.4	55.5	30.060	58.3 51.	NTW	42	—	—	b. v.	K. KS. CS.	118
17	60.	56.8	30.030	61.6 56.	SSW	46	—	—	o. v.	KS.	103
18	59.7	58.3	29.990	60.7 57.3	W	46	0.021	0.011	o. v.	KS. K.	91
19	59.5	58.6	29.935	61.5 57.1	NE	20	0.016	0.015	o. v.	KS. S.	48
20	62.4	59.8	29.983	64.1 62.9	NE	38	—	—	b. v. h.	CS. CK. c.	93
21	62.	59.1	30.057	63.2 55.3	Nb E	22	—	—	b. v. h.	K. CK	83
22	56.2	58.1	29.985	56.4 52.5	SE	10	—	—	o. v.	K. KS. S	40
23	60.4	57.5	29.917	61.6 54.	SSW	16	—	—	b. v.	K. CK.	46
24	60.	58.2	29.920	62.6 56.	Wb N	34	0.122	0.100	b. v.	K. KS.	77
25	61.4	58.4	30.196	63.1 56.	Wb N	18	—	—	b. v.	K. CK	63
26	61.7	57.2	30.450	62.5 55.	Wb W	21	—	—	b. v.		81
27	65.6	60.6	30.540	60.1 57.	W.	28	—	—	b. v.	CK. c.	62
28	62.1	62.3	30.537	64. 59	NW	42	—	—	b. v.	CK. K.	97
29	61.6	62.	30.321	63.6 58.1	Wb W	26	—	—	o. v.	KS. S	68
30	59.6	61.5	29.923	67.3 53.6	Wb W	38	—	—	b. v.	KS. K.	58.
	59.64	58.09	29.937				0.928	1.000			

1867	P.M			Hygro	Anemo		Thermo			
June.	E	A	Bar.	Wet	Dir	Sp.	Max	Min		
1	57.	58.1	29.795	57.7 55.3	WNW	150	69.1	53.8	b. y.	K. Ks. n.
2	54.	59.2	29.728	52.5 53.1	W	116	67.	51.9	b. y.	c. cs. round horizon - intermittent showers.
3	50.6	58.5	29.758	57.1 50.1	NW	37	65.	49.6	b. y.	cs. s. ck. Ks.
4	52.5	58.5	29.685	53.7 53.2	ESE	62	65.3	49.5	o. y.	r. Ks.
5	53.5	58.4	29.316	52.3 52.4	SWbS	222	64.1	53.7	o. y.	r. Ks. s
6	53.4	58.3	29.307	52.7 52.7	WSW	133	65.1	53.0	o. y.	K.
7	45.6	56.	29.831	45.6 44.2	WbS	79	60.	47.5	b. y.	c. cs. Ks.
8	52.	55.4	29.815	52.6 49.1	WbS	120	62.	43.8	b. y.	K. Ks.
9	57.4	58.5	29.945	58.2 55.2	WSW	182	69.4	49.2	o. y.	K. Ks.
10	60.2	61.3	30.068	60.5 57.4	S	84	72.4	56.4	b. y.	c. cs.
11	58.5	63.1	29.851	58.3 56.1	SWbW	164	74.1	56.5	b. y.	K.
12	51.5	60.1	29.929	51.7 49.6	WSW	60?	65.6	53.5	b. y.	c. Ks. ck. {some rain in afternoon but not sufficient to wet the grasses -
13	52.	60.	29.820	52.5 49.5	WbS	83	65.1	48.0	o. y.	K.
14	49.4	57.5	29.887	49.8 45.5	NW	81	60.	49.5	b. y.	K. Ks.
15	49.5	56.4	29.037	49.7 46.3	NWbN	76	57.3	48.2	b. y.	K. Ks.
16	51.	56.4	30.058	57.3 47.9	NW	57	60.1	49.4	o. y.	Ks. s
17	57.1	59.2	30.036	57.7 55.2	SW	45	59.2	51.7	o. y.	Ks. s
18	55.	59.	29.954	55.7 55.3	N	28	65.6	55.5	o. y.	Ks.
19	54.4	60.9	29.950	55.8 51.8	NEbN	55	68.2	53.5	b. y.	Ks. s.
20	52.6	61.4	30.040	52.7 49.6	N	61	67.6	53.5	b. y.	c. ck. cs.
21	52.5	59.2	30.039	52.7 51.3	SWW	30	67.6	48.6	o. y.	K. Ks. s
22	51.1	59.	29.952	52.7 50.7	SWbW	30	64.	52.5	b. y.	c. cs. s. Ks.
23	51.5	59.1	29.940	51.1 50.1	NW	43	65.5	48.3	b. y.	r. Ks. s. n.
24	52.1	58.	30.060	52.6 50.6	NW	45	63.4	49.8	o. y.	Ks. s
25	50.6	59.6	30.355	50.3 49.6	NNE	60	68.1	57.5	b. y.	
26	55.3	62.	30.517	55.8 54.	NbE	34	74.1	46.3	b. y.	cs. s.
27	58.7	63.2	30.553	59.3 56.9	WNW	55	73.1	51.7	o. y.	s.
28	56.	62.7	30.455	56.1 53.9	NWbN	42	67.8	56.1	b. y.	Ks. ck.
29	57.3	63.	30.126	57.0 54.7	NW	20	67.8	56.7	o. y.	Ks. s.
30	53.1	62.2	29.838	53.7 50.4	NbE	57	69.1	52.0	o. y.	Ks. s
53.58 59.47 29.955							65.85	51.01		
							66.1	51.4		

1867

10 July

Hydro

Air: temp

Bar: 10

July

E

A

Bar

Dry
wet

Dir:

Space

Squ:

Re

1	58.	60.2	29.743	59.6 52.1	NbE	24	—	—	b ₂ . Y.	CK. K	82
2	57.	59.1	29.680	58.1 53.1	NbE	27	—	—	o. v. h.	Ks. S	74
3	57.5	59.7	29.696	58.6 52.1	SbW	41	—	—	o. Y. h.	Ks. S	100
4	65.3	61.1	29.650	60.7 60.	SSW	60	0.028	0.014	b ₆ . V	CK. K.	205
5	57.2	59.4	29.930	58.2 49.9	NW	77	0.025	0.026	b ₆ . V.	K. CK	173
6	57.8	57.2	30.057	58.8 49.6	N.	34	—	—	b ₅ . V.	C. K. S. (at 10.40) ^{h m}	100
7	59.	57.9	30.150	59.7 52.4	NW	20	—	—	b ₈ . V.	CK. Ks.	74
8	66.9	61.3	30.167	60.1 60.	NNE	44	—	—	b ₅ . V	CK. CK. C. (at 10.30)	52
9	73.	63.8	30.095	75. 66.2	SSW	20	—	—	b ₆ . V.	K. CK. (at 10.30)	60
10	69.2	64.8	30.100	71.3 61.	WNW	18	—	—	b ₆ . V.	K. Ks.	99
11	66.6	65.6	29.993	67.8 61.8	NNE	20	—	—	o. Y.	Ks. S	63
12	64.8	65.1	29.685	66.1 60.3	NWbN	16	0.028	0.073	o. Y.	Ks. K. S.	58
13	63.5	63.2	29.595	64.8 61.	SW	13	0.643	0.573	b ₁ . V.	K. Ks. (thunder at 8 Am.)	43
14	68.8	62.4	29.491	68.9 61.3	SWbS	37	—	—	b ₄ . V.	K. CK	78
15	60.7	63.2	29.400	62.9 56.5	NWbW	26	0.065	0.056	b ₁ . V.	K. Ks.	86
16	58.2	61.1	29.191	58.2 56.6	SWbW	47	0.756	0.673	o. m.	K. Ks.	117
17	56.7	58.8	29.400	58. 54.2	WbS	113	0.490	0.435	o. m.	K. Ks	209
18	62.6	60.	29.300	63.8 53.7	WbS	44	0.128	0.116	b ₂ . V.	K. CK. (at 10.30)	146
19	55.2	59.4	29.577	56.2 51.7	NW	62	0.232	0.196	o. Y.	K. Ks.	129
20	54.8	57.6	29.618	56.5 49.	NW	18	—	—	o. Y.	Ks. S	78
21	63.9	59.1	29.323	65.1 62.2	WSW	60	0.202	0.185	b ₂ . V.	K. CK.	114
22	61.1	61.1	29.200	62.2 59.1	SWbS	47	0.652	0.608	o. Y.	Ks. n.	148
23	61.1	60.1	29.236	63.5 59.5	NW	55	0.588	0.523	o. V.	K. Ks. n.	143
24	55.9	58.7	29.365	56.9 54.6	SSW	40	0.154	0.124	o. V.	Ks.	95
25	54.8	58.	29.597	53.7 54.3	NbE	130	0.455	0.520	o. v. m.	K. Ks.	182
26	56.1	58.5	29.800	58. 53.	NbE	30	0.130	0.130	o. V.	K. Ks.	123
27	53.1	57.1	29.935	53.8 48.3	NWbN	25	—	—	b ₁ . V.	K. Ks. n.	80
28	56.8	55.8	30.053	57.9 51.8	NW	34	0.002	0.010	b ₂ . V	K. CK. hoar frost at 5 ^h 30 ^m an	94
29	59.5	55.7	30.000	60.1 52.7	NW	39	0.001	0.005	b ₅ . V	K. CK (at 10.30) ^{h m}	105
30	59.	56.	29.925	59.8 51.8	N	20	0.002	0.005	b ₅ . V.	K. CK. (at 10.30)	72
31	61.5	58.2	29.865	62.4 56.	NbW	17	—	—	b ₅ . V.	CK. C. S. C	60

60.50 59.66 29.704

4.581 4.272

1867	10 P.M.			Hyg.	Anem.		Therm.			
July	E	A	Bar	Wet	Dir	Sp.	Max	Min		
1	48.8	61.1	29.728	48.6 46.2	NbE	47	65.5	50.5	6. V.	CK. S.
2	55.9	62.1	29.725	55.3 52.6	EbN	59	66.4	48.5	0. V.	K. KS.
3	56.1	61.	29.591	56.8 53.3	S	145	68.	50.6	0. m.	K. KS.
4	52.2	60.2	29.796	55.2 50.2	WSW	96	68.9	53.8	6. V.	K. KS. S.
5	47.8	59.8	30.045	47.5 45.5	NWbN	66	65.5	50.4	6. V.	S. in N. horizon.
6	52.7	60.8	30.100	53.3 48.4	NNE	52	66.8	44.2	6. V.	S. KS.
7	55.1	62.7	30.185	55.4 52.3	NbN	38	72.2	44.1	6. V.	S in N. horizon
8	62.	65.1	30.121	62.8 58.8	S	40	75.3	50.0	6. V.	K. CK. KS.
9	62.8	66.3	30.095	64.1 60.1	SSW	81	77.5	60.0	6. V.	K. CK
10	62.5	66.9	30.087	63.4 59.7	SSW	43	76.5	57.8	0. V.	KS. S
11	59.3	66.5	29.828	58.4	SW	42	73.7	60.1	0. V.	KS. S. Thunder storm at 8 1/2 PM.
12	57.5	64.4	29.640	58.3 57.3	NbN	30	72.	57.6	0. V.	KS. S. (Distant Thunder during evening)
13	55.9	64.4	29.521	56.7 53.7	SSW	41	72.	57.4	6. V.	KS. CK. S. 80° During the day
14	56.3	65.3	29.474	56.4 53.7	WbS	60	72.7	53.0	6. V.	KS. CK. S.
15	54.	62.1	29.265	53.6 53.3	NW	70	63.5	52.9	0. m.	2. KS.
16	54.	60.1	29.238	53.3 51.2	WNW	96	61.1	54.1	0. m.	2. KS. K.
17	53.	59.4	29.431	53.8 51.2	SW	102	64.	52.8	6. V.	CK. KS. K.
18	53.4	61.2	29.364	53.6 52.2	NbN	67	67.1	54.2	6. V.	S. KS.
19	51.4	58.5	29.700	51.7 47.8	NbW	60	59.8	52.5	0. V.	S. KS.
20	49.7	58.	29.408	50.1 49.2	NbE	54	62.7	50.4	0. V.	2. KS. n.
21	56.2	58.2	29.274	56.9 54.4	S	101	70.	50.1	6. V.	KS. S. n.
22	55.	60.5	29.240	55.7 53.	S	88	70.	49.9	0. Y n.	KS. K.
23	58.2	61.1	29.291	53.8 51.	NNW	55	66.9	55.4	0. m. v.	KS. n. much rain during the day
24	53.7	60.3	29.493	53.4 53.7	NNE	52	65.5	53.8	0. m. v.	KS. S.
25	53.6	58.7	29.725	52.1 52.3	NE	93	61.1	51.6	0. m. v.	KS. S.
26	48.7	57.	29.900	49. 47.1	NbE	65	59.	49.3	0. v.	KS. S.
27	48.6	57.	30.020	48.4 47.	NbN	64	60.5	49.1	6. V.	S. in NW horizon.
28	48.	57.5	30.072	47.8 46.3	WNW	66	62.9	46.4	6. V.	K du S.
29	49.8	58.3	29.990	49.6 48.6	NbW	52	65.7	45.5	6. V.	
30	52.2	59.4	29.877	52.3 50.9	NbE	43	68.	46.2	6. V.	K. KS. CS.
31	54.1	61.3	29.916	54.3 52.3	NbE	21	67.4	51.0	6. V.	K. CS. C
	54.11	61.14	29.714				67.00	51.36		
							67.47	51.7		

1867	10. Air			Hygro	Anemo:		Ombro		
August	E	A	Bar	Temp wet	Dir	Sp:	Sq:	R:	
1	57.6	58.9	29.995	58.8	NNE	40	—	—	0. v. K. KS. 61
2	58.6	55.	29.921	59.7	E	17	—	—	0. v. K. KS. CS. 57
3	60.6	60.	29.961	62.1	WbS	25	—	—	0. v. K. KS. 59
4	63.4	60.6	29.845	64.4	SW	44	—	—	0. v. K. KS. CK 92
5	62.4	60.2	29.552	62.5	S	160	0.109	0.160	0. m. 2. KS. n. (at 10.30) 258
6	60.7	58.1	29.481	61.3	SW	88	0.070	0.070	0. v. CK. K. 190
7	60.1	57.1	29.507	60.6	SWbW	63	0.025	0.064	0. v. K. CK. (at 10.30) 123
8	63.5	60.	29.375	64.7	SSW	107	0.050	0.035	0. v. K. CK. 179
9	64.	59.3	29.500	65.6	SW	108	0.150	0.121	0. v. K. CK. n. in SW. 176
10	63.7	60.2	29.833	65.6	SWbS	112	0.070	0.068	0. v. K. KS. S. 220
11	66.	64.8	29.901	67.1	S	117	—	—	0. v. KS. CS. 192
12	68.7	63.9	29.893	70.3	S	71	—	—	0. v. KS. S. C. CS (at 10.30) 71
13	69.1	63.3	29.780	70.7	N	31	—	—	0. v. K. CK. 139
14	69.	65.8	29.810	70.1	SSW	87	—	—	0. v. K. CK. 147
15	65.7	64.1	29.623	67.5	W	48	—	—	0. v. K. CK. 111
16	58.4	62.1	29.480	59.5	SW	90	0. —	0.030	0. v. K. KS. S. 130
17	61.3	61.4	29.445	62.3	SW	96	0. —	0.024	0. v. n. K. KS (at 10.30) 246
18	60.1	59.1	29.858	59.1	SWbS	74	0.042	0.024	0. v. K. CS. S. 130
19	56.3	59.3	29.785	57.2	NW	44	0.372	0.341	0. m. KS. 96
20	63.7	61.6	29.500	60.7	SE	98	0.157	0.161	0. v. K. KS. S. 195
21	62.5	61.7	29.787	64.2	WSW	80	—	—	0. v. K. CK. 156
22	60.	62.	29.781	61.2	SW	89	0.015	0.005	0. m. 2. K. n. 181
23	61.5	60.2	29.773	63.5	NNE	34	0.082	0.095	0. m. K. KS. 99
24	65.3	63.4	29.735	66.8	SSW	90	—	—	0. v. KS. 161
25	63.8	64.	29.624	64.8	SWbS	190	0.128	0.132	0. v. L 346
26	59.7	61.2	29.742	59.2	SW	79	at trace	—	0. v. L. R. & N. in SW 210
27	59.1	58. —	29.814	59.9	WSW	71	—	—	0. v. L. R. 178
28	64.7	60.1	29.764	66.2	W	145	0.036	0.044	0. v. L 238
29	61. —	58.8	29.912	66.8	S	53	—	—	0. v. h. L. CK. CS. 130
30	61. —	62. —	29.676	66.9	S	104	0.080	0.080	0. v. m. d. L. 186
31	56.5	60.2	29.728	60.5	N	33	1.050	0.960	0. v. m. L. 102.3
	62.17	60.75	29.723				2.436	2.414	

1867	10 D.M.			Hyg.	Anem.		Therm.			
August	E.	A.	Bar:	dry wet	Dir:	Space	Max:	Min:		
1	53.3	60.8	29.946	53.3 51.1	SE	42	67.6	50.6	b. V.	S. KS.
2	58.7	61.2	29.924	59.4 57.4	WNW	34	69.	51.5	o. Y.	KS. S.
3	57.8	61.1	29.937	57.3 55.3	SWbW	48	64.4	55.5	o. g.	K. KS.
4	56.8	60.1	29.735	57.4 55.7	S	98	66.7	55.0	o. g.	KS.
5	52.7	59.2	29.545	55.2 50.4	SSW	102	67.4	53.8	b. V.	heavy & frequent showers during the afternoon.
6	50.	59.1	29.513	50.0 49.0	SW	60	64.1	50.4	b. V.	do
7	56.	61.4	29.414	55.2 53.2	SE	72	67.	47.5	o. V.	2. KS.
8	53.	61.	29.440	52.6 51.9	SW	68	66.1	54.2	b. V.	CK. K. heavy showers at intervals
9	56.1	60.4	29.715	57.8 54.8	SWbS	108	65.9	52.7	o. V.	KS. S do
10	59.5	62.1	29.903	60.3 57.3	SW	75	70.	56.8	o. V.	K. KS.
11	60.4	64.	29.915	61.2 60.1	S	168	73.4	57.4	b. V.	S. CS. KS.
12	58.3	65.1	29.850	58.2 56.2	WNW	108	73.	58.5	b. V.	K. CK.
13	64.4	66.1	29.713	65.2 61.9	NE	60	76.3	53.4	b. V.	S. CS.
14	60.4	67.1	29.743	61.3 58.7	SSW	63	75.3	61.7	b. V.	K. CK. CS.
15	56.6	65.	29.500	57.1 54.4	WNW	40	72.	57.2	o. Y.	K. KS.
16	55.7	61.8	29.463	57.3 54.7	SW	150	65.	53.5	o. V.	KS.
17	54.5	61.2	29.634	55.3 53.3	SWbW	60	62.7	53.5	o. V.	K. KS.
18	54.2	61.1	29.897	54.9 54.1	SE	52	67.1	49.7	b. V.	KS. CK.
19	59.	62.1	29.714	59.5 58.4	E	97	68.	52.1	o. V.	KS. S
20	54.8	62.7	29.630	55.3 54.3	WSW	76	68.5	56.4	b. V.	S. CS. sky clouded immediately
21	57.9	63.1	29.768	57.3 57.3	S	92	68.1	55.4	b. V.	d.
22	53.3	65.8	29.822	53.6 53.1	NNE	65	65.8	53.5	o. g.	K. KS.
23	61.	63.	29.755	61.9 60.5	SSW	71	69.5	52.7	o. g.	9. K. KS.
24	64.1	65.1	29.641	65.1 64.2	S	156	71.2	60.7	o. g.	KS.
25	52.1	62.1	29.728	53.8 52.3	SW	131	65.6	55.4	b. V.	KS.
26	49.8	61.2	29.722	50.1 48.1	SSW	107	65.7	57.1	b. V.	faint Aurora to NW.
27	55.	59.2	29.820	55.6 52.3	SWbS	93	63.	46.8	o. g.	
28	52.4	62.	29.917	52.7 51.8	SWbW	77	67	54.0	b. V.	
29	60.4	62.	29.806	60.1 58.2	SW	82	67	48.0	o. g. d	
30	58.	62.	29.656	58.1 57.3	SWbS	90	65	57.0	o. v. g d	
31	57.	61.	29.765	57.3 57.2	NE	62	63	56.5	o. g	
	56.62	62.55	29.729				67.51	53.55		
							67.8,	54.0		

1867	10 AM.				Hydro		Anemo		Ombro			
Sept:	E	A	Bar	dry wet	Dir	Space	Squ	R				
①	1	53.7	59.	29.757	54. -	NE	89	0.230	0.268	o m r g	KS singularly dash	151
	2	63.	59.	29.944	53.8	SE	48	0.098	0.105	b v	KS	148
	3	64.8	60.	29.774	52. -	SE	88	0.136	0.136	o m	CS. KS	161
	4	61	60.	29.381	52.7	S	294	—	—	o v q	KS	462
	5	56.9	57.	29.400	59.6	SW 6 S	179	0.039	0.165	b v q	C. K. K. KS - susp ⁿ of leakage	363
	6	59.2	57.	29.386	58.3	S	152	0.016	0.025	b v q	C. CS. K. KS -	291
	7	57.5	57.	29.566	58.1	SW 6 W	142	0.126	0.117	b m r	KS	305
①	8	59	57.1	29.622	58.4	SSE	87	hues	hues	o v d q	KS	207
	9	59.7	57.2	29.575	58.7	S	147	0.078	0.100	o v q	CS. KS. CS so thin the blue can through it	370
	10	59.1	56.5	29.534	58.2	W 1 S	71	0.022	0.021	b v	KS. C.	208
	11	57.3	56.	29.588	57.3	S	154	0.010	0.010	o v m d	KS	253
	12	61.5	58	29.090	58.2	S 6 E	170	0.090	0.123	o v	KS	330
	13	59	57.8	29.674	58.4	W 8 W	106	0.001	0.200	o v	K. KS	321
	14	57	56.9	29.548	58.5	SW 6 W	224	0.100	0.106	b v	K. KS LOR	332
①	15	58.4	55.2	29.950	58.2	NW	49	0.064	0.050	o v	KS K	138
	16	56.3	56.	30.172	49.5	NW	50	—	—	b v	K. KS	110
	17	53.9	53.5	30.321	48.8	N 8 6 N	28	—	—	b v	C. K	89
	18	54.8	54.6	30.350	49.7	SE	31	—	—	o v m	KS o shone out full 5' afterwards	84
	19	56.5	54.2	30.113	53.9	SW	40	—	—	o m	KS	125
	20	54.2	64.	30.150	54.9	N	13	—	—	b v	CS. K. halo	57
	21	54.6	54.4	29.814	55.5	SSW	117	0.013	0.016	o v d q	KS	151
①	22	55.6	55.5	29.727	56.4	WSW	96	0.068	0.093	b v q	KS. K	228
	23	56.1	57.	29.677	57.3	SW	155	0.035	0.028	o m q r	KS	272
	24	54.2	54.7	30.181	47.7	NNW	65	0.009	0.005	b v.	K. CK	183
	25	55.4	54.8	30.295	56.3	SW	68	—	—	o v.	KS.	125
	26	58.	55.3	30.200	52.6	SW	93	—	—	o v.	K. KS. S	165
	27	54.5	54.6	30.052	55.3	SSW	75	0.049	0.058	b v.	KS. S.	145
	28	57.5	56.1	29.933	55.2	WSW	162	0.003	0.003	o v. q.	K. KS.	310
①	29	57.5	56.6	29.929	53.8	WSW	180	—	—	o v. q.	K. KS	332
	30	54.6	56.6	29.720	53.9	W 1/2 S	152	0.022	0.037	o v.	K. K.	357
57.06 56.39 29.814								1.208	1.663			
							assume for 13 th	.200				
								1.408				

1867	10 P.M.			Hygro	Anem		Therm		
September	E	A	Bar	Wet	Dir	Sp.	Max	Min	
1	54.5	58.8	29.826	54.5	NNW	100	60.5	54.0	0 g
2	53.8	61.2	29.922	53.9	NNW	73	67.5	54.5	6 m
3	60.1	62.4	29.626	60.5	SE	168	67.5	54.5	6 m
4	52	59	29.353	52.1	S	184	67	52.0	6 v
5	49.8	67	29.408	49.8	SP	139	62	49.0	6 v
6	53.5	58	29.213	53.8	S	143	65	50.0	0 v r
7	52.1	59.5	29.752	52.2	SWW	120	65	53.0	6 v
8	53.5	58	29.530	53.9	S	223	63	51.0	6 v
9	52.9	58	29.472	52.9	S	137	65	51.0	6 v
10	51	57	29.659	51	SPW	99	64	49.0	6 v
11	55.7	59	29.502	55.9	E	160	67	48.0	0 v g
12	54.3	58	29.804	54.8	WSW	215	63.5	54.0	0 v d
13	53.1	57.8	29.634	53.2	SW	108	63.5	53.0	0 v d
14	51.9	57.2	29.675	51.9	NW	89	62	49.5	6 v
15	49.9	57	30.071	49.8	WSW	60	65	48.0	6 v
16	48.9	56	30.270	48.7	SW	61	63	47.0	5 v
17	48.1	57	30.354	48.6	SE	53	62	41.0	6 v
18	48.4	51.8	30.203	48.6	SE	85	61	44.1	6 v
19	51.1	56.1	30.141	50.5	SWW	44	61	43.2	0 g
20	49	56	30.070	49.5	SW	34	60.1	46.1	6 v
21	52.5	56.3	29.641	52.1	SWW	132	61.3	46.1	0 g
22	51.5	56.4	29.783	51.8	SW	117	61.6	49.7	6 v
23	49	55.9	29.790	49.1	WNW	118	60	50.2	6 v
24	47.9	55	30.310	48.1	W	57	58.5	46.8	6 v
25	51.6	55.3	30.260	51.3	SWWS	72	60	47.4	0 v
26	51.7	56.2	30.161	52.1	WWS	70	61	51.5	6 g
27	52	56.2	29.963	52.2	SW	148	61.1	45.7	0 v
28	53	56.6	29.936	53.7	SWW	152	61.9	52.6	0 v g
29	56.3	57.7	29.832	54.2	SW	205	63.2	55.1	0 g
30	47.7	54.3	30.179	47.5	NW	123	59.2	48.6	6 v
	51.89	57.16	29.835				62.50	49.32	
							62.7	49.6	

aurora at 11 30' P.M.

slight aurora at 12

tender land 250'

N.C.C.K. C.S.K.S.

K.S. C.

C.K.

K.S.

K.S.

K.S.

K.S.

K.S.

K.S.

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K.S.

K.S.

K.S.

1867	10 AM			Hygr	Anem.		Ombro.				
October	E	A	Bar	Wet	Dir	Spac	Squ:	Dr			
1	52.7	53.	30.290	53.7 } 47.2 }	WSW	49	—	—	o. v.	KS. S. (at 10 ^h . 20 ^m)	172
2	52.6	54.	29.663	51.6 } 47.5 }	WNW	198	0.102	0.118	6 v. q.	K. CK.	320
3	44.2	50.6	29.930	43.9 } 41.6 }	WNW	78	0.056	0.050	6 v. q.	K. KS. CS.	178
4	42.	46.8	30.180	42.7 } 40.6 }	WNW	34	0.181	0.122	o. v.	K. KS. S	110
5	46.2	49.3	30.037	47.7 } 43.6 }	W	32	0.062	0.073	o. v.	K. KS. CK (at 10 ^h . 10 ^m)	106
6	52.7	50.2	29.779	53.8 } 50.2 }	WNW	54	0.140	0.148	6 v.	K. KS.	110
7	43.	50.2	29.487	41.8 } 42.1 }	WNW	73	0.049	0.051	o. v.	Very heavy rain & hail	139
8	45.3	48.	29.483	43.7 } 43.2 }	WNW	82	0.340	0.307	6 v.	K. KS. n. (at 10 ^h . 25 ^m)	156
9	45.3	47.3	29.500	45.5 } 45.3 }	SW	74	lost.	0.407	o. m.	heavy rain	115
10	50.	49.8	29.790	50.4 } 46.7 }	W	26	0.113	0.093	6 v.	K. CK	82
11	56.1	52.8	29.951	57.1 } 56.7 }	SW	90	—	—	o. m.	KS.	125
12	55.5	52.4	29.671	50.7 } 55.7 }	SWW	50	0.052	0.050	o. v.	KS.	70
13	53.7	53.8	29.426	54.8 } 52.8 }	E	144	0. —	—	o. m. d		189
14	54.8	53	29.279	58.2 } 54.2 }	SE S	138	0.248	0.313	o. m. r q	KS. N	231
15	50.4	51.5	29.550	51. — } 49.9 }	WSW	32	0.013	0.009	o. m	K. KS	109
16	57.1	57. —	29.494	58.2 } 48.2 }	SE	118	0.010	0.020	o. v. q	KS. — at 1 ^h . 30 ^m . Am. strong hail	144
17	53.2	52.8	29.273	53.8 } 51. — }	SW	128	0.097	0.103	6 v.	KS	337
18	50.7	50.	29.314	48.2 } 50. — }	SW S	134	0.203	0.192	6 v. q	KS	267
19	50. —	50.6	29.392	47.7 } 47.7 }	SW	138	0.034	0.031	6 v.	GS K. KS	307
20	49.7	50.	29.714	46.1 } 47.7 }	SW	63	0.013	0.014	o. v.	KS	151
21	53.4	52.5	29.662	53.1 } 51.9 }	SWW	156	0.249	0.287	6 v. h	K	334
22	60.8	61.	29.726	61.3 } 57.3 }	S	204	0. —	—	6 v. q.	KS. KS. K.	326
23	49.8	55. —	29.704	50.1 } 49.8 }	SE	40	0.320	0.253	o. m. q r	KS ?	285
24	50.4	53. —	29.820	50.8 } 47.8 }	NE	58	0.000	0.070	6 v.	CK. K (NB the day bulb wet)	134
25	46.	50.	30.100	46.1 } 48.1 }	NE	24	—	—	6 m		123
26	48.9	51. —	29.723	48.3 } 47.5 }	SW	86	—	—	o. m. q	KS. K	120
27	45.4	50.2	29.121	45.1 } 43.2 }	SWW	248	0.354	0.640	6 v.	KS. KS	491
28	43.3	46. —	29.727	43.2 } 41.7 }	SW	67	0. —	—	6 v. ? m		167
29	50.9	49.8	29.466	50.6 } 49.4 }	SW	174	0.398	0.523	o. v. m. q	KS.	359
30	46.7	49	29.709	46.7 } 46.5 }	SW	37	0.146	0.138	6 v. h	K	146
31	50. —	50	29.584	50.6 } 40.9 }	SSW	70	—	—	6 v. q	K. KS. CK	150
	49.84	51.12	29.662				4.417	4.912			
The round gauge assumed on the 9 th Inst. for the square.											

1867

10 P.M.

Hyg.

Anem.

Thermom.

October

E

N

Bar

dry

Dir:

Sp:

Max

Min

1	119.4	53.4	30.008	49.9 48.6	SW6W	130	56.3	43.5	0. g.	K. KS.
2	41.	51.2	29.800	40.8 40.8	WS	100	56.2	41.5	6. V.	S
3	37.7	47.8	29.080	37.3 36.2	NW6W	76	47.8	37.4	6. V.	KS
4	47.4	48.8	29.975	47.9 47.5	W.NW	74	49.2	35.5	0. g.	KS
5	46.3	49.	29.780	46.7 46.4	SW	56	50.5	42.1	0. g.	KS
6	45.5	51.	29.663	49. 48.	W6S	66	56.3	46.6	0. g.	KS.S.
7	38.9	48.5	29.405	38.4 37.1	W6S	74	51.2	39.8	6. V.	K. CK.
8	41.2	48.	29.730	41.3 39.6	W6N	41	57.2	38.9	6. V.	S. CS.
9	48.3	49.4	29.478	48.7 48.3	N	56	55.	41.6	0. V.	H. HS.
10	50.9	51.6	29.954	50.3 48.3	SSW	35	56.	41.4	0. V.	S.
11	54.4	52.7	29.827	55.1 54.7	SW6W	20	61.8	49.2	0. V.	KS. slight drizzle.
12	53.9	53.4	29.445	54.3 53.4	SSW	45	59.5	51.5	0. V.	CS. KS.
13	48.	52.3	29.354	48.3 47.4	NE	93	57.	47.0	0 m	
14	49.2	54.	29.488	49.6 49.2	SW	77	59.6	48.5	0. V.	K. KS. CK.
15	45.5	51.8	29.613	45.9 45.2	SSW	26	54.5	45.1	6. V.	K. a small patch to S.
16	48.5	51.5	29.285	48.6 48.5	S	209	55.	44.4	6. V.	K. CS. clear part covered with thin CS.?
17	46.1	50.1	29.277	46.1 45.2	SSW	133	57.1	46.5	6. V.	CK. CS.
18	47.6	50.3	29.323	48. 46.6	WSW	169	55.1	45.4	0. V.	KS.
19	46.2	51.7	29.570	46.3 45.6	W6S	88	55.	45.6	6. V.	KS.
20	49	50.8	29.533	49.2 48.8	S ¹ / ₂ W	178	54.	43.5	0. g. V.	KS.
21	57.7	55.2	29.661	57.7 56.5	S	120	59	49.0	0. g. V.	Hyg 59.5 56.5
22	55.6	57.1	29.735	56.4 54.8	S	236	64.6	56.4	0. g. V.	KS.
23	47.6	54.	29.685	47.6 46.5	N	79	58.8	48.0	0. g. V.	Bar fell in mid day but rose again
24	45.1	52.3	30.003	45. 43.3	N.	99	54.8	46.3	6. V.	K. KS. aurora
25	48.7	52.4	30.004	48.7 46.6	SSW	57	53.7	38.7	0. g.	KS? very dark
26	51.7	52.2	29.280	51.7 51.1	SW6S	243	53.6	44.1	0. g. V.	a very heavy pale
27	39.	48	29.482	39. 37.4	W	100	54	39.0	0. g. V.	R low in North
28	46.5	48	29.356	46.5 45.5	SSW	185	49	36.0	0. g. V.	very dark & dirty night
29	44.9	49.1	29.550	44.9 44.6	SW	129	53.6	45.2	6. V.	KS. Faint Aurora in N.W.
30	45.2	50.1	29.625	45.4 45.	SW	60	52.4	42.3	0. V.	KS.
31	46.7	50.1	29.624	46.7 45.3	SW	123	55.	44.5	0. g.	

47.30 51.16 29.632

54.77 43.68

55.1

44.0.

1867	10 AM			Hyg	Anemo		Ombro				
November	E	A	Bar	^{dry} wet	Dir	Spac	Squ	R			
1	43.2	43.5	29.744	43.2 39.9	WN	84	0.013	0.017	4 v	KS GK. Bd	216
2	43.7	46.5	30.295	43.7 42.9	SW	57	—	—	6 m	Paint Halo	184
3	42.9	44.0	30.230	43.3 41.3	SW	88	—	—	0 v m	GK. Bd. KS	150
4	50.0	48.0	30.184	42.8 40.1	WN	129	0.003	0.002	8 v	KS. X.	269
5	42.0	47.0	30.196	42.5 41.0	NE	33	—	—	6 m	X.	110
6	37.0	44.0	30.256	36.5 35.7	NNE	17	—	—	6 m		80
7	44.5	44.2	30.332	44.8 42.9	SW	87	—	—	5 m	X.	142
8	46.9	46.0	30.411	46.6 46.6	SW	89	—	—	6 m	G. X.	223
9	33.0	43.0	30.446	32.7 31.9	W	30	—	—	6 m		94
10	41.1	43.5	30.344	40.8 40.8	NNW	13	0.031	0.046	6 m	X? not rain but condense fog	24
11	41.1	44.0	30.194	41.2 41.0	WSW	76	0.020	—	0 f.		125
12	43.0	44.8	29.990	43.2 42.2	NELN	19	—	—	off	KS	62
13	46.0	45.5	29.633	46.8 44.9	SW	146	—	—	off d.	KS	227
14	43.3	47.0	29.304	43.2 42.2	SSE	54	0.259	0.287	0 m n	KS	173
15	42.9	47.0	29.538	42.7 42.7	NE	63	0.340	0.322	f.		92
16	42.1	45.0	29.835	42.0 39.0	NE	177	—	—	6 v	KS	312
17	41.0	43.0	30.071	40.9 39.9	NE	144	—	—	6 + v	S. m. North m. haze	299
18	41.7	42.0	30.211	40.5 40.5	WSS	16	—	—	0 v m	KS	156
19	43.4	44.0	30.280	43.3 41.3	WN	36	—	—	6 v m		80
20	41.7	43.0	30.420	41.3 38.3	NNW	52	—	—	6 v	X. S.	108
21	38.0	42.0	30.498	37.8 34.0	WN	17	—	—	6 f.	X. S.	81
22	42.0	43.2	30.493	42.5 41.0	WV	36	—	—	6 m v	KS	70
23	43.2	43.8	30.410	42.9 42.9	W	23	0.003	trace	0 m	X.	56
24	42.5	44.0	30.421	42.7 40.4	EW	48	—	—	0 v? m	KS	65
25	43.5	43.8	30.235	43.7 41.5	SW	100	0.007	—	0. v. m. d.	KS	173
26	46.3	45.4	29.884	46.7 45.7	SW	200	0.005	0.005	0. m. d.	KS. S	375
27	36.4	41.7	30.128	36.5 35.7	SWSS	33	0.170	0.171	6 m. v.	KS. S	134
28	37.7	39.0	30.136	37.9 35.9	SW	95	—	—	0 v m	X. S.	150
29	32.8	39.0	30.019	32.3 31.9	WNW	175	—	—	6 m	Thin G	175
30	46.6	45.0	29.366	46.0 45.0	SSE	250	0.052	0.047	0 v m. q. d.	KS	407
	43.70	44.23	30.119				0.903	0.897			

1867	10 P.M.			Hyg.	Anemo:		Thermo:			
November	E	A	Bar.	dry wet	Dir.	Spce	Max	Min		
1	40.	46.4	29.977	39.7 37.6	WbS	137	50.2	38.5	b. v.	K? aurora
2	37.7	46.5	30.329	37.1 37.1	SbW	62	52.	36.9	b. v.	K? round horizon faint aurora
3	45.	47	30.214	45.2 45.2	SSW	140	50.	37.0	o. g.	
4	47.3	49.1	30.215	48. 47.2	NNW	77	54.1	45.6	o. g.	
5	37.4	46.1	30.175	37. 35.4	NE	63	50.3	37.5	b. v.	
6	38.5	45.1	30.305	38.4 37.6	SbTV	53	48.2	32.5	b. v.	m.
7	43.	46.5	30.340	43. 42.5	SWbS	134	49.1	36.6	b. v.	m.
8	39.7	47.	30.457	39.5 39.5	STV	64	52.	40.3	b. v.	
9	32.8	42.2	30.379	32.2 32.2	WbV	11	44	29.9	b. v.	
10	39.1	45.	30.260	39.6 39.2	SSW	49	47	30.	o. f.	KS?
11	42.8	44.5	30.060	42.9 41.6	SSW	43	46.2	39.1	o. f.	KS?
12	45.4	45.	29.839	45.7 43.9	S	81	47	40.5	o. v.	KS
13	47.1	47.	29.412	47.5 47	S	119	51.5	43.5	o. v.	KS
14	44.5	46.6	29.290	44.9 44.8	N	29	51.2	44.8	o. m.	KS.
15	46.1	47.1	29.740	46.1 44.6	N	135	51.8	44.8	o. v.	KS.
16	40.5	43.5	29.952	40.6 36.2	NE	155	48.7	40.6	b. v.	KS. K.
17	35.3	42.5	30.145	35.2 38.8	NE	140	45.	35.7	b. v.	
18	42.8	43.6	30.250	42.5 42.5	WbW	44	48.1	31.8	o. g.	
19	42.9	45.	30.300	42.1 42.1	WbN	36	48.2	40.2	b. v.	S round horizon
20	40.	43.8	30.455	40.4 38.1	SW	64	47.1	47.4	o. g.	KS?
21	37.7	44.2	30.535	37.9 36.1	SW	34	44.	36.6	o. g.	
22	40.8	44.3	30.431	40.1 40.1	W	43	45.	37.8	o. v. g.	KS.
23	41.7	44.7	30.421	41.7 40.5	WbS	43	45.1	38.6	o. g.	(17)
24	42.2	44.	30.345	42.2 40.4	SW	73	45.	41.0	o. g.	
25	43.5	45.	30.057	43.6 42.6	SW	175	48.6	40.5	o. g. d	KS.
26	37.7	43.1	29.993	37.9 35.9	WbN	101	48.7	38.5	b. v.	S. KS.
27	34.7	43.	30.141	34.8 34.4	SbTV	55	42.1	32.6	o. v.	KS.
28	33.9	39.5	30.100	33.9 32.8	SWbS	half round horizon	42.4	31.2	b. v.	
29	43.3	43.2	29.800	43.3 40.8	S	157	45.7	31.3	o. g.	KS?
30	50.5	45.8	29.100	50.8 50.8	SW	192	53.1	41.4	o. g. d.	
41.13 44.81 30.101							50 p. 47.98	37.24		
							48.2	37.7		

1867	10 AM			Hygr	Anem		Ombr				
December	E	A	Bar	Wet	Dir	Sp	Squ	R			
1	46.9	46.	28.936	47.1 46.6	WNW	75	0.087	0.107	0 v	KS GS	267
2	29.7	37.2	29.730	33.7 28.8	NW	209	0.	0	0 m. Sn. q	K KG	456
3	36.	37.2	30.144	36. 33.	SWW	55	0.058	0.	h v	K BL	223
4	35.7	37.	29.974	35.7 33.6	SEW	109	0.054	0.020	0 v m	KS	181
5	36.7	38.	29.680	35.2 33.6	W	114	0.330	0.314	0 v	KS BL N. m. SE	236
6	35.	37.	30.026	33.9	NNW	123	—	—	h v h	K	231
7	29.3	33.8	30.296	39.1 27.5	SW	109	—	—	0 f	GS KS halo	109
8	39.1	37.	30.049	39.3 38.1	W. N	85	0.030	0.015	0 v m	KS	120
9	42.	40.	30.068	42.2 42.	SW	50	0.066	0.065	h v		166
10	47.7	42.	29.984	47.8 47.	W	97	trace	—	h v? m	GS S KS	179
11	48.1	43.	30.012	48.6 46.9	WNW	126	—	—	0 v	KS	222
12	47.3	45.	30.089	47.5 46.5	NW. W	126	—	—	h v	KS one more very threatening	271
13	45.	44.	30.089	48.1 43.1	WSW	97	—	—	0 v m	K KS	235
14	47.6	47.	29.595	47.7 46.3	SW	248	0.093	0.177	0 v q	KS	403
15	46.5	46.	29.506	46.8 46.3	N. S. W	377	0.249	0.363	0 v m t	KS	377
16	57.9	49.	29.453	50.1 50.9	SW	268	0.014	0.069	0 v? m q d	KS	445
17	42.2	46.	29.331	42.2 40.2	SW	149	—	—	h v	K. KS	464
18	35.5	41.2	29.382	35.3 34.7	W. S. W	142	0.060	0.138	0 v	KS N. shows signs of rain	233
19	35.1	37.8	29.639	35.7 34.7	SW	60	—	—	h v? m	GS. K. S	150
20	39.	40.	29.636	39. 38.2	SSW	41	0.276	0.317	0 m	KS?	74
21	49.	44.	29.481	49.5 49.1	SW	140	0.345	0.420	0 v	KS	227
22	39.9	43.5	29.652	39.7 38.8	SW	105	0.068	0.093	h v m q	K	292
23	44	42.	29.712	43.5 41.8	SE. S	141	—	—	0 v. m. q	KS - K	238
24	50.1	47.	29.611	49.3 49.	SSW	207	0.090	0.120	0 v? m	KS	464
25	36	40.8	30.004	35.5 35.8	SW	82	0.009	0.021	h m f		188
26	43.5	43.2	30.022	43.8 43.1	SSW	157	—	—	0 f	KS	312
27	44.3	45.	30.104	44.7 44.	SW	42	—	—	0 m	S	131
28	41.	43.8	30.148	41.1 40.1	W	10	—	—	0 m	KS	70
29	40.7	43.	30.003	40.8 40.	N. S. W	12	—	—	0 v? m	KS	40
30	40.4	42	30.206	40.7 36.8	ESE	62	0.006	0.020	0 v	KS	95
31	28	36.8	30.130	25.1 26.7	N	15	—	—	h f		
	41.07	41.85	29.799				1.835	2.290			

1867		10 P.M.		Hygr		Anem		Therm		
December	E	A	Bar	Wet	Dir	Sp	Max	Min		
1	32.	40.	29.452	32.1	NW	247	33.5	28.5	o g y	
2	28.5	36.	29.994	28.7	SW	168	54.?	26.5	b v m	
3	32.8	37.3	30.131	32.9	SSW	72	38.8	28.5	b. Y.	KS. S.
4	36.9	38.8	29.810	36.7	Wb. S	182	42.	30.6	b10. V.	
5	33.3	37.7	29.771	33.3	NNW	108	42.	30.4	o. V.	sleek. KS.
6	26.9	36.	30.242	26.1	NNW	—	30.7?	27.4	b. Y.	*. In (lock) stop by the forest
7	33.8	35.8	30.265	34.4	Wb. W	45	37.1	25.1	o. V.	KS.
8	45.	39.	29.955	45.2	NNW	116	48.	30.0	o. V.	KS.
9	46.4	40.7	30.004	46.8	Wb. S	82	48.6	41.0	o. V.	KS.
10	47.5	42.5	29.998	48.2	W	96	57.4	45.8	o. V.	d. KS.
11	48.8	44.4	30.008	47.9	W	145	57.2	47.2	o. V.	KS. halo at 9
12	43.	44.1	30.107	43.9	W	139	51.1	42.3	b3. V.	CS. KS. after drop of rain 4 p.m.
13	45.5	45.2	29.925	46.1	SWb. S	155	49.1	41.5	o. V.	KS.
14	45.6	45.6	29.391	45.1	W	clock action	50.6	45.3	o. V.	2. 9. KS.
15	50.9	47.	29.527	50.2	SW	177	54.	44.0	o. V.	KS.
16	50.	49.1	29.267	50.4	SW	315	52.1	50.0	o. g.	9.
17	35.7	43.	29.310	36.1	SW	141	52.7	36.3	o. g.	2.
18	36.9	40.3	29.556	36.7	NNW	30	40.	33.5	o. g.	
19	36.	40.1	29.667	36.1	SWb. W	33	40.4	31.8	o. g.	d.
20	42.6	42.2	29.581	42.9	SW	87	45.	35.7	o. g.	
21	48.	43.5	29.435	48.4	Wb. S	187	52.	42.4	o. g.	2.
22	35.9	42.	29.866	35.9	SW	147	50.1	36.4	b10. V.	
23	46.8	45.1	29.568	47.1	SS E	254	50.	34.6	o. V.	g. KS.
24	37.4	44.	29.895	37.3	SW	106	52.8	38.4	b10. m.	
25	39.	42.5	29.977	39.2	SSW	155	43.1	33.8	o. g.	S. KS.
26	45.2	44.4	30.040	45.6	SBW	89	48.	39.5	o. g.	
27	42.	44.5	30.165	42.6	SSW	60	47.9	42.5	o. g.	
28	39.5	42.7	30.033	39.8	N	28	45.	38.7	o. g.	
29	39.1	42.	30.079	39.7	E6N	102	44.	38.5	o. g.	
30	37.3	40.3	30.187	37.7	NEb. N	80	43.2	32.6	m.	stars visible above.
31	32.4	37.5	30.061	32.5	N.	10	37.	27.1	o. f.	
	40.02	41.53	29.847				45.83	35.94		
							46.0	36.34		

SUMMARY 1867	10 Am			10 Pm			Rain		Max: Ther ^m during Month	Min: Ther ^m during Month
	E	A	Bar: at 50°	E	A	Bar:	Square	Round		
Jan ⁵	33.27	35.40	29.446	31.81	35.34	29.414	3.666	4.027	55.0 - 27 th	9° - 4 th
Feb ⁴	43.71	43.84	29.736	42.56	44.37	29.722	3.055	4.407	55.3 - 21 st	33° - 6 th 27 th
March	38.94	39.25	29.606	36.04	39.86	29.666	1.844	2.204	55.5 - 24 th	22.5 - 16 th
April	49.84	48.09	29.482	45.42	48.52	29.419	3.399	4.249	60.2 - 30 th	36. 21 st
May	53.70	51.85	29.664	49.17	53.16	29.632	3.878	4.392	69.1 - 8 th	36.5 - 13 th 25 th
June	59.64	58.09	29.915	53.58	59.47	29.930	0.948	1.000	74.1 - 11 th 26 th	43.8 - 8 th
July	60.50	59.66	29.678	54.11	61.14	29.684	4.581	4.272	77.5 - 9 th	44.1 - 7 th
Aug ^r	62.17	60.75	29.693	56.62	62.55	29.695	2.436	2.414	76.3 - 14 th	46.8 - 27 th
Sept ^r	57.06	56.39	29.796	51.89	57.16	29.815	1.408	1.663	67.5 - 24 th	41. - 17 th
Oct ^r	49.84	51.12	29.660	47.30	51.16	29.630	4.417	4.912	64.6 - 22 nd	35.5 - 4 th
Nov ^r	43.70	44.23	30.135	41.13	44.81	30.115	0.903	0.897	54.1 - 4 th	29.9 - 9 th
Dec ^r	41.07	41.85	29.805	40.02	41.53	29.870	1.835	2.290		
Summer	57.14	56.27	29.733	52.11	57.41	29.729	17.668	18.653		
Winter	41.66	42.21	29.700	39.25	42.32	29.700	14.702	18.074		
Year.	49.46	49.30	29.717	45.73	49.93	29.716	32.370	36.727		

	Spin days	Mean Ther ^m	Mean Bar: at 50°
Jan ⁵	14	32.54	29.430
Feb ⁵	16	43.14	29.729
March	13	37.47	29.636
April	26	47.63	29.450
May	15	51.44	29.646
June	12	56.60	29.922
July	18	57.31	29.681
Aug ^r	17	59.40	29.694
Sept ^r	20	52.48	29.806
Oct ^r	23	48.57	29.645
Nov ^r	9	42.42	30.125
Dec ^r	16	40.54	29.838

Mean Temperature of Year = 47° 60
 Maximum .. 9th July = 77° 5
 Minimum .. 4th Jan = 9° 0

Mean Barometer = 29.716
 Max^m d° (3rd Mar.) = 30.554
 Min^m d° (2nd Jan) = 28.345

1.05 Avg.
 Day of Greatest Rain - 4th July - 1.098