

1880.	10. A. M.			Thermom.	Anemom.	Rain		Roof	
January	E	A	Barom	dry wet	Dir	Sp	Square	Kew.	Dir.
1	51.8	46.3	29.356	52.2 51.2	SWW	269	0.206	0.210	0
2	40.0	43.0	29.643	40.0 38.2	SWWS	250	0.133	0.142	610
3	41.2	42.2	30.063	40.9 40.6	SWW	172	0.125	0.133	0
4	44.8	43.3	29.894	44.8 43.3	S	200	0.094	0.120	0
5	48.4	46.0	29.996	48.2 47.4	SSW	171	0.036	0.039	0
6	47.2	46.0	30.214	46.8 46.3	SWWS	160	—	0.003	0
7	46.2	45.6	30.352	45.4 43.2	SSW	121	—	—	0
8	43.0	44.4	30.320	40.3 38.3	SSW	128	—	—	0
9	38.3	40.8	30.174	35.8 35.7	SWW	146	—	—	0
10	40.4	40.7	30.267	40.7 38.2	SWW	145	—	—	0
11	41.9	42.8	30.213	41.3 39.4	E	77	—	—	0
12	35.6	39.8	30.338	35.8 33.9	E	86	—	—	0
13	34.3	38.8	30.318	34.2 32.3	E. N	74	—	—	0
14	37.6	38.0	30.206	37.8 36.7	WSW	58	—	—	0
15	35.8	37.2	30.144	35.3 34.2	WWS	48	0.003	—	0
16	41.6	40.3	29.742	41.2 41.3	W. N. W	108	0.522	0.552	0
17	30.5	36.3	29.762	30.5 31.8	E. S. N	59	—	—	69
18	33.8	36.9	29.664	33.2 32.1	NNW	27	—	0.030	6.2
19	36.8	37.8	30.498	36.8 36.3	SE. E	102	0.056	0.029	73
20	26.6	33.3	30.381	26.7 26.7	SE	12	—	—	610
21	20.5	30.2	30.414	19.3 22.7	SSE	1	—	—	610
22	22.6	28.8	30.270	23.6 26.3	E	3	—	—	0
23	27.2	31.0	30.302	26.3 30.6	WWS	40	—	—	0
24	31.3	30.4	30.082	30.3 30.3	S	4	—	—	0
25	35.1	34.0	29.716	34.8 34.8	S	261	—	0.010	0
26	36.3	34.7	29.990	36.3 33.3	SSW	122	—	—	0
27	36.6	35.2	29.920	36.7 35.2	SWWS	121	—	—	0
28	43.0	39.7	29.752	43.3 41.3	WWS	290	—	0.003	0
29	45.3	41.7	29.614	45.5 43.6	SWW	275	—	—	0
30	48.7	45.2	29.844	48.0 46.4	SWWS	320	0.203	0.310	0
31	46.7	43.3	29.858	46.7 45.3	SW	150	—	0.002	0
	38.36	39.18	30.029				1.378	1.583	

1880	10 P.M.			Hygrom	Anemom.		Thermom.		
January	E	A	Barom	dry wet	Dir	Sp.	Max	Min	
1	49.3	49.0	29.286	44.2 49.2	SW	380	55.3	49.4	0
2	41.9	42.8	29.820	42.0 40.6	WLS	781	32.0	37.0	0
3	44.3	44.0	30.606	44.3 41.8	SWLS	228	47.0	37.6	0
4	42.8	45.4	29.815	46.4 46.3	SWW	148	50.1	41.2	0
5	45.8	45.7	30.070	46.0 45.2	SWLS	113	51.7	43.5	0
6	44.2	45.6	30.282	46.3 45.6	SSW	101	50.5	44.5	0
7	43.5	45.3	30.390	45.6 42.7	SWW	112	51.2	42.8	0
8	40.2	43.0	30.230	40.3 38.2	S	82	47.0	40.0	0
9	40.3	41.0	30.158	40.3 37.8	SWW	160	44.0	36.7	0
10	37.7	40.7	30.292	37.8 36.2	S	83	45.0	37.0	0
11	38.8	41.6	30.213	38.4 38.6	SELE	49	43.9	36.3	0
12	35.0	38.8	30.346	35.0 33.0	SLE	45	42.3	34.6	0
13	34.2	37.7	30.248	34.0 32.8	WSW	35	38.3	33.4	0
14	38.2	39.3	30.222	33.0 36.3	NLE	53	45.3	32.4	0
15	39.2	39.3	29.928	39.2 39.0	SWW	103	45.0	30.5	0
16	36.6	39.7	29.902	36.7 34.2	NLE	90	45.7	36.0	0
17	35.8	38.3	29.722	35.8 34.8	WSW	74	40.0	28.8	0
18	37.1	38.2	29.712	36.2 36.2	E	89	41.9	30.2	0
19	37.0	35.8	30.332	36.0 26.3	ESE	82	41.5	27.3	610.
20	21.7	31.7	30.380	21.2 21.0	SLE	10	33.6	22.5	610
21	19.6	29.5	29.332	18.0 27.8	EN	9	27.6	18.2	0
22	28.0	30.8	30.258	27.7 26.7	WSW	18	31.3	16.6	0
23	26.8	31.2	30.236	26.7 26.7	WSW	21	31.6	24.5	0
24	37.0	33.4	29.790	36.6 35.0	SSE	189	39.2	22.0	0
25	50.6	36.2	29.795	35.9 33.1	SWW	172	40.3	31.9	0
26	33.7	35.2	29.960	33.8 32.2	SWLS	175	40.8	32.7	0
27	40.5	38.0	29.850	40.6 38.7	SSW	214	43.7	32.3	0
28	41.3	40.7	29.642	41.2 39.9	SWW	318	46.8	39.7	67
29	47.3	43.3	29.496	46.8 46.6	SWW	272	48.0	41.0	67
30	44.9	44.4	29.727	44.8 43.0	SWLS	152	54.9	42.8	6.4
31	43.2	44.7	29.836	43.0 42.2	SW	248	56.9	41.3	66
	37.86	32.67	29.979				44.51	34.35	
							44.3	34.4	

K. (flying across sky very fast. Clear a few minutes before)

SC

1880	10. A. M.			Hygrom	Anemom		Paire			
February	E	A	Barom	dry wet	Dir	Sp	Square	New		
① 1	44.1	44.2	29.786	44.2 44.9	S	202	—	—	0	KS
2	48.2	45.4	29.878	48.3 48.0	WSW	210	—	0.004	0	g
3	46.2	44.3	30.011	46.2 45.1	SSW	120	0.016	0.015	0	S
4	49.0	45.8	29.904	49.3 47.2	SSTW	237	—	—	62	K
5	42.7	45.3	29.694	41.2 41.2	TWN	204	0.135	0.140	65	v C. CS
6	41.0	41.7	29.338	39.2 42.5	SSTW	185	—	—	—	—
7	42.7	43.2	29.206	41.0	SW	272	0.272	0.287	65	CS
① 8	37.4	41.1	29.173	37.4 38.7	SSW	77	0.100	0.103	610	—
9	38.3	40.6	28.928	38.2 40.3	ESE	138	0.045	0.043	0	S
10	40.6	40.3	29.118	39.7 38.2	SWBS	111	—	0.003	0	KS
11	38.2	38.7	29.488	36.2 40.0	S	94	0.076	0.078	0	KS
12	40.2	40.5	29.350	38.1 36.6	S	190	0.200	0.209	68	K
13	36.7	38.0	29.811	35.0 45.6	SW	145	0.007	0.003	67	CS
14	45.5	43.5	29.246	43.3	SWBS	366	0.143	0.143	66	CS
① 15	40.2	40.3	29.244	40.3 44.3	SELE	88	0.010	0.052	0	K
16	41.0	42.0	28.502	42.8 42.2	ESE	193	0.446	0.380	0	S
17	42.2	40.7	28.594	40.0 45.8	S	277	0.439	0.452	610	v Aurora last night of 11. — 2 am
18	45.8	42.7	28.804	45.0 47.0	SW	152	0.007	0.008	—	—
19	46.8	44.7	28.604	45.6 45.7	WBS	260	0.249	0.258	0	K
20	45.8	44.7	28.900	44.7 42.2	WBS	171	0.084	0.100	66	K
21	42.3	42.8	29.402	40.5	SWBW	156	0.010	0.013	610	—
① 22	35.2	44.5	29.557	35.3 43.7	NW	53	0.019	0.011	0	KS
23	43.8	43.0	29.716	42.6 44.2	NW	26	—	—	0	S
24	43.6	43.2	30.136	43.3 44.8	SW	30	—	—	0	fog
25	41.7	43.8	30.130	43.2 43.0	WSW	139	—	—	0	KS
26	42.7	43.3	29.807	38.0 41.8	NW	219	0.144	0.145	0	KS
27	41.8	42.3	29.552	41.6 45.6	TWS	126	0.068	0.073	0	S
28	45.6	44.7	29.256	43.2	W	168	0.050	0.055	62	KS
① 29	50.2	46.1	29.224	51.2 50.3	SW	238	0.002	0.004	0	K
	42.95	42.80	29.399				2.533	2.579		

1880	10. P. M			Hygrom	Anemom		Thermom			
February	E	A	Barom	dry wet	Dir	Sp	Max	Min		
1	45.3	46.4	29.764	45.8	S	195	49.9	41.3	0	9. L
2	41.6	44.6	30.030	41.6	SSEW	80	51.0	41.7	610.	
3	45.3	44.6	29.748	45.3	SSEW	125	49.7	39.7	0	
4	45.7	46.0	29.666	45.7	SEW	287	54.8	44.8	67	q.
5	36.6	42.3	29.686	36.6	SW	96	49.7	37.2	65	
6	43.7	45.4	28.870	43.7	SWW	364	50.3	36.5	0	q.
7	40.2	44.0	29.022	40.2	SWW	81	49.3	37.3	0	r
8	37.1	42.8	29.062	37.1	S	84	48.2	32.9	60	Stars
9	36.2	41.0	28.790	36.2	NW	102	42.3	31.5	69	
10	38.8	44.0	29.418	38.8	SW	101	46.0	34.3	0	r
11	43.3	42.0	29.076	43.3	SEK	263	46.0	29.1	0	q. L
12	34.2	40.0	29.403	34.2	WSEW	201	45.9	32.9	6.7	Stars
13	43.8	42.6	29.392	43.8	SEK	301	46.3	31.3	0	q.
14	34.4	42.0	29.478	34.4	SSEW	152	51.0	35.0	610.	
15	44.9	42.7	28.741	44.9	SSE	313	47.1	31.8	0	9 L
16	40.3	42.3	28.286	40.3	SW	236	47.0	40.4	0	
17	43.3	43.7	28.568	43.3	SEK	240	49.2	35.8	0	
18	45.2	45.3	28.596	45.2	WSEW	233	52.7	39.3	0	
19	43.8	45.0	28.652	43.8	WSEW	214	52.7	43.3	0	
20	40.8	45.0	29.230	40.8	W	120	51.5	44.0	68.	K
21	41.3	45.3	29.514	41.3	SWW	107	50.3	35.4	0	K
22	39.8	44.9	29.725	39.8	NNW	72	51.9	39.1	66	K. C moonlight
23	40.5	44.3	29.934	40.5	S	49	50.0	36.5	0	
24	39.4	44.2	30.240	39.4	WSEW	49	50.3	37.8	0	CB Moon. Halo.
25	45.6	44.6	29.752	45.6	WSE	179	49.3	39.5	0	
26	37.8	42.7	29.782	37.8	WSEW	178	49.1	36.3	68	
27	46.5	44.7	29.206	46.5	WSEW	206	50.0	36.3	0	
28	46.8	45.8	29.220	46.8	WSEW	192	51.6	44.4	0	
29	46.9	47.8	28.772	46.9	SSEW	299	51.1	45.1	6.3	q.
	41.76	43.99	29.315				49.45	37.50		
							49.50			

1880	10. A. M.			Hygrom	Anemom.		Rain			
March	E	A	Barom	dry wet	Dir	Sp	Square	Rev		
1	38.7	40.7	28.790	39.2 37.5	SW	374	0.104	0.111	0	K
2	38.2	40.7	28.832	38.2 37.6	SWW	177	0.174	0.189	0	S
3	46.8	43.0	28.944	45.0 42.1	SW	260	0.230	0.225	0	KS + CS
4	45.8	42.3	29.145	45.0 42.7	WWS	164	0.301	0.290	68	K
5	51.7	46.7	29.546	51.7 51.7	SW	243	0.222	0.239	0	S g
6	51.8	47.8	29.618	52.8 49.2	S	246	—	—	0	KS
7	44.2	46.3	29.876	44.2 43.2	NW & W	85	0.107	0.110	61	KS
8	46.4	46.3	30.300	46.7 45.8	SSW	61	—	—	0	K
9	44.4	43.5	30.046	44.8 43.3	SSE	31	0.006	0.005	0	KS
10	44.3	44.3	29.958	44.8 43.3	SE	12	0.020	0.020	0	K
11	46.9	45.0	30.064	47.6 45.5	SSE	94	—	0.003	0	KS
12	47.5	46.4	30.011	47.5 47.7	WWS	97	0.361	0.367	0	S g
13	46.7	44.4	30.068	46.2 46.2	SW	47	0.165	0.165	65	KS
14	46.4	45.7	30.043	47.0 46.2	SE	68	—	—	—	
15	46.7	46.0	30.028	46.2 45.3	SE & E	56	—	—	0	S
16	44.7	44.1	29.822	44.7 40.8	SE & E	68	—	0.005	—	
17	41.3	43.8	29.830	44.6 40.7	E & S	166	0.118	0.119	0	S g
18	48.6	44.3	30.041	46.3 43.0	SE	105	—	—	69	K
19	46.5	44.8	30.102	46.2 41.8	E	85	—	—	610	
20	41.7	43.4	30.058	41.7 40.8	NE & E	33	0.005	0.005	610	large
21	43.7	45.0	30.067	43.6 40.3	SE	131	0.010	—	60	S
22	44.3	43.3	30.110	44.6 41.7	SE & S	27	0.005	0.005	0	K
23	42.7	41.3	30.097	42.8 39.9	E & S	7	0.004	0.005	0	K
24	42.8	42.3	30.078	43.3 41.3	E	60	0.002	—	0	K
25	46.7	44.2	29.775	46.3 42.6	E & S	208	—	—	65	K
26	44.6	45.4	29.867	44.8 41.3	E	193	0.006	—	0	S
27	44.7	45.2	29.870	45.6 42.7	E	126	—	0.005	0	KS
28	44.3	43.3	29.944	44.2 42.3	SSE	14	—	—	0	
29	47.4	44.7	29.818	47.8 46.6	SW	79	—	—	0	S
30	46.7	45.5	29.700	46.7 45.3	S	46	—	—	0	K
31	50.3	48.2	29.017	50.0 46.1	SW & W	261	0.133	0.140	66	K
	45.34	44.55	29.804				1.993	2.038		

1880-	10. P.M.			Hygrom	Anemom.		Thermom.		
March	E	W	Barom	dry wet	Dir	Sp	Max	Min	
1	35.7	40.7	28.834	35.3 34.4	WSW	312	50.0	35.3	65
2	43.7	42.8	28.615	43.7 42.7	WSW	142	46.8	33.8	0
3	38.3	43.2	29.050	38.2 37.8	WGN	133	48.4	38.4	0 r
4	42.3	44.2	29.510	42.5 42.3	SSE	126	52.2	35.7	0 r
5	44.2	47.6	29.706	45.8 45.2	SW	229	53.0	41.8	0
6	48.0	48.0	29.558	48.3 47.7	SWWS	206	56.0	47.8	0
7	43.4	47.8	30.049	43.8 42.1	SWWN	42	52.0	41.2	0
8	38.4	46.5	30.212	38.3 38.2	NE	33	52.7	39.7	6.10
9	40.7	43.2	29.948	40.7 40.4	SW	56	50.0	32.4	0 r
10	42.2	45.6	30.013	41.7 41.3	SEWS	42	50.5	40.4	6.7
11	47.6	46.3	30.018	47.7 46.7	SSE	207	52.3	39.8	0
12	45.8	46.3	30.014	45.8 45.8	N	33	51.7	45.5	0 r
13	46.3	47.0	30.050	46.3 44.8	SE	92	55.3	34.5	0
14	43.3	47.0	30.034	43.4 42.7	E	71	52.3	42.5	0
15	40.7	46.2	29.946	40.2 39.8	E	102	50.4	40.7	6.6
16	40.3	45.0	29.730	40.6 39.0	SESE	130	49.2	37.2	0
17	45.2	44.7	29.920	44.9 41.5	E	109	48.0	38.7	0
18	45.4	46.7	30.088	45.8 40.2	SE	150	53.6	38.3	6.10
19	37.3	44.8	30.050	36.4 36.2	E	78	54.3	35.7	6.10
20	43.7	47.2	30.059	43.2 38.3	E	102	55.3	34.8	6.10
21	38.3	46.3	30.074	37.7 35.1	SE	120	50.0	37.4	6.10
22	34.9	42.3	30.090	34.3 33.7	S	66	53.3	31.0	6.10
23	35.4	43.7	30.116	34.7 34.3	S	99	49.2	27.7	6.10
24	42.3	44.3	29.730	41.8 39.0	ELS	144	49.0	33.5	6.7
25	47.3	46.6	29.812	47.3 43.7	ESE	170	53.7	38.3	0
26	45.2	46.0	29.890	45.2 42.3	ELS	151	50.7	40.4	0
27	38.8	46.7	29.986	38.2 36.2	SE	76	52.7	38.8	6.10
28	42.3	46.8	29.850	42.6 40.8	SWWS	64	57.0	33.5	6.10
29	43.0	47.6	29.792	42.8 42.3	SWNW	57	57.0	37.3	6.9
30	45.3	48.2	29.313	45.3 43.2	SW	206	55.0	36.5	0
31	39.7	48.3	29.184	39.3 38.3	W	147	58.0	40.7	6.10
	42.20	45.73	29.788				52.33	37.72	

Definition bad.

K Definition middling.

1880	10 A.M.		Hygrom		Anemom ^r		Rain		Hours of Sunshine			Temp
April	E	A	Barom.	dry wet	Dir	Sp	Qty	New				
1	48.2	46.0	29.352	48.6 45.3	Wb.N	114	0.007	—	64	v	K	36.0
2	47.7	51.7	29.678	52.7 48.3	W	233	0.257	0.270	0		K	42.3
3	52.7	48.8	29.950	53.2 48.4	SWbS	153	0.070	0.074	61		K	45.2
4	50.3	46.7	28.824	50.4 49.6	SW	145	0.086	0.060	6.7		S	38.8
5	48.8	46.2	28.922	49.8 46.8	S	228	0.016	0.064 ?	0		K	40.0
6	46.6	46.3	29.064	45.3 50.2	NW	116	0.099	0.104	62		K	39.7
7	49.2	46.7	29.292	45.6 49.3	NbE	143	0.066	0.065	0		K	41.4
8	48.8	46.4	29.392	45.6 47.8	NbE.N	102	0.097	0.100	0		K	41.2
9	48.2	45.3	30.244	43.7 48.4	NE	27	—	0.005	67		K	33.2
10	47.5	46.0	30.186	43.6	NbE	25	—	—	62		K	37.0
11	45.4	46.9	29.717	45.4 47.8	S.E.E	68	0.212	0.203	0		KS	44.1
12	47.2	45.8	29.790	43.5 45.6	E	86	—	—	0		K	37.3
13	45.3	45.8	29.727	44.4 43.8	Eb.N	32	0.144	0.149	0	g	S	40.3
14	43.8	45.5	29.594	42.6 47.0	N	44	0.019	0.019	0	g	S	39.3
15	46.3	45.3	29.630	43.4 43.3	NbE.N	75	—	—	0		KS	38.8
16	43.4	44.0	29.193	43.3 49.6	ESE	127	0.607	0.630	0	K	S	33.7
17	48.7	47.5	29.314	48.0	S	277	0.045	0.060	0	S	K g	46.3
18	50.4	47.8	29.249	50.3 50.1	S	371	0.228	0.276	0	K	g r g	42.1
19	55.8	50.2	29.346	52.0 54.7	S	257	0.157	0.169	63		K	47.5
20	54.2	47.0	29.512	51.7 53.5	WbW	145	0.371	0.380	0		K	44.7
21	53.0	50.0	29.262	53.0 49.0	SWbW	312	0.222	0.244	0	S	g K	44.7
22	48.4	47.7	29.556	45.8 50.0	NbE.N	96	1.228	1.303	0		K	39.8
23	53.8	49.0	29.812	50.3 51.0	W	92	0.007	0.007	61	v		43.6
24	50.5	50.3	29.734	50.4	WbNW	116	0.064	0.070	0		K. KS	47.6
25	52.1	48.6	29.703	51.8 50.3	NbW	83	0.002	0.005	0		K	3.9
26	44.6	46.8	30.020	44.6 37.2	N	85	—	0.017	61		K	10.1
27	49.8	45.0	30.152	50.6 45.3	NbE.N	36	0.003	0.003	65		K	32.0
28	54.2	46.0	30.076	51.8 46.7	NE	31	—	—	66		K	12.5
29	45.7	48.4	30.248	46.3 49.8	E	50	—	—	0	g	S	46.2
30	50.3	46.5	30.264	45.0	SW	17	—	0.001	68	large		32.6
	48.93	47.21	29.593				4.007	4.278				75.7

1880	10. P. M.			Hygrom	Anemom.		Thermom.			
April	F	A	Barom	dry wet	Dir	Sp	Max	Min		
1	41.8	46.2	29.34.1	41.9 40.8	SSW	132	54.0	35.5	0	
2	48.8	48.6	29.098	48.8 48.0	SWB	113	55.7	41.7	0	
3	44.5	48.3	29.058	41.6 40.6	SWW	198	57.3	41.7	64	L
4	42.7	45.6	28.818	42.8 42.2	S	223	58.9	37.2	0	J.
5	39.5	46.7	28.936	39.2 39.2	SW	149	53.5	38.8	610.	
6	39.8	45.3	29.130	39.4 39.0	SWW	146	54.7	38.5	610.	
7	43.5	46.8	29.630	43.2 42.3	NNE	149	54.5	39.8	0	
8	40.0	46.0	30.108	39.6 38.7	NNE	113	54.8	40.3	610	
9	40.2	47.8	30.230	39.3 38.8	ENE	90	54.2	34.5	610	
10	44.4	48.0	29.768	44.4 42.5	NELN	79	55.0	38.0	0	
11	38.6	48.8	29.695	38.9 37.7	ESE	143	49.9	36.1	0	J.
12	41.2	46.3	29.700	40.8 41.0	ELN	104	50.0	37.3	0	r
13	38.8	45.5	29.661	38.8 37.0	WLS	43	51.8	39.0	Register @ 12 ⁴⁵ .	
14	41.3	45.8	29.628	41.0 40.6	NNE	87	51.2	38.6	0	
15	35.3	41.8	29.432	35.2 35.6	ENE	198	51.8	35.4	0	X
16	44.8	46.0	29.352	44.8 43.7	S	179	51.5	33.3	0	
17	44.2	46.0	29.458	43.8 41.3	SE	193	52.0	44.2	610.	W D
18	42.3	50.1	29.212	42.3 41.3	SSTW	359	52.1	42.4	6.0	S. D
19	47.2	49.8	29.438	47.2 47.0	SW	222	60.7	46.5	0	r
20	44.2	49.2	29.636	44.4 42.8	SW	118	58.3	43.3	0	Halopoured moon.
21	42.2	48.2	29.246	41.6 41.7	N	122	56.0	41.3	0	
22	44.6	49.8	29.718	44.8 44.3	WLS	112	57.5	39.3	0	
23	48.7	50.6	29.840	48.7 46.7	W	158	58.4	42.6	0	
24	42.2	49.2	29.810	41.7 40.0	WNW	135	56.4	42.5	610.	v.
25	40.1	45.3	29.702	40.1 39.9	NW	107	55.9	37.3	6.4	H. v. SC
26	38.4	44.5	30.125	37.8 36.3	N	107	53.0	36.7	610	r
27	40.0	47.2	30.114	39.4 38.4	NELN	104	54.2	33.4	610	Good definition
28	47.8	49.8	30.112	47.8 46.2	NE	73	60.0	35.4	0	Bad definition
29	42.3	48.8	30.318	41.7 39.3	EWS	61	54.0	42.5	610	
30	46.7	50.5	30.167	46.7 43.4	W	39	59.7	35.8	614	
	42.63	47.45	29.624				54.0	38.96		
							55.14	39.04		

1880	10 A.M			Hygrom	Anemometer		Ombro		Hours of Sunshine		Roof Thermom
May	E	A	Barom	dry wet	Dir	Sp	Square	New.			
1	56.7	49.4	29.962	56.6 51.0	SW	33	—	0.000	64	K	10.7 42.0
2	52.1	51.2	29.653	52.1 50.3 49.0	N	65	0.073	0.072	0	K.C	4.6 41.9
3	48.6	48.2	29.666	48.3 52.3 46.8	NW	52	—	—	64	K	4.8 37.7
4	56.7	49.5	29.980	51.4 46.3	NEE	111	0.011	0.017	64	K	11.0 39.8
5	50.6	48.3	29.992	52.8 46.8	NW	29	—	—	0	S. K.S. K	Reent page 34.3
6	51.7	49.4	29.975	48.7 42.5	N	54	—	—	0	S	41.3
7	48.8	47.4	29.972	52.7 46.7	NW	39	—	—	66	K	34.5
8	52.3	47.2	29.967	46.7	NE	28	—	—	64	K	31.8
9	46.1	48.2	30.112	46.1 45.9 50.2	NE & N	18	—	0.003	68	S C	36.2
10	52.3	50.7	29.963	50.6 43.0	NE	33	—	—	0	K & S	40.8
11	43.4	49.7	29.874	41.7 51.5	NE	108	0.013	0.015	0	little rain S	12.0
12	50.4	50.3	29.966	46.7 50.4	E	147	0.011	0.020	0	S	44.0
13	49.6	49.3	30.062	45.4 54.3	E	82	—	—	0	K.S. K	38.0
14	54.0	50.4	30.038	48.3 53.3	NE	83	—	0.003	64	CS	39.5
15	54.4	52.6	30.086	51.3 52.5	NE	104	—	—	0	K & S'	46.0
16	51.5	51.7	30.076	49.2 58.8	NEE	101	—	—	0	K & CS	45.3
17	58.2	52.2	30.132	50.2 64.3	SE & E	37	—	—	610		39.2
18	63.6	55.0	30.158	55.4	SW & W	54	—	—	63		
19	59.7	56.8	30.075	56.4	WNW	49	—	—	0	S	Day bush broken by painters.
20	57.0	55.7	30.165		WN	46	—	—	0	K.S. & K	57.0
21	54.4	55.6	30.080		WN	60	—	—	0	S	44.4
22	55.8	55.5	29.616		WN	134	0.013	0.015	0	g K	47.0
23	54.1	57.6	29.446		WSW	135	0.048	0.045	0	g SK	49.2
24	53.3	53.8	29.514		W	165	0.480	0.494	63	K	48.8
25	56.7	52.7	29.706		SW & W	117	0.016	0.018	0	K	17.5
26	55.4	55.0	29.578		SW & W	200	0.067	0.080	0	K	42.8
27	56.9	54.2	29.638		WN	42	—	0.010	0		49.3
28	47.4	52.7	29.992		WNW	92	0.128	0.080	65	v K	45.8
29	56.7	52.2	30.236		WNW	76	0.068	0.079	64	v K	12.2
30	53.9	57.7	29.785		SW	198	0.077	0.072	0	K.S	39.6
31	54.8	54.2	29.825		N	51	0.041	0.050	0	K	12.2
	53.33	52.08	29.910				1.046	1.073			

1880	10 P.M.		Hygrom		Anemom.		Thermom.				Barom.	Wind
May	E	A	Barom.	dry wet	Dir	Sp	Max	Min				
1	49.6	52.2	29.702	48.7 47.8	SWW	130	63.0	41.6	0			
2	48.1	50.8	29.665	41.3 40.8 43.8	N	92	58.2	41.7	0			10.7
3	44.7	49.5	29.780	43.8 40.4	NNE	133	58.3	40.2	0			4.6
4	40.8	47.7	29.780	39.3 46.3	NEN	101	58.2	40.2	0			4.5
5	46.3	50.0	29.994	45.3 40.2	NNE	57	57.3	36.6	0			11.1
6	40.8	45.8	29.993	37.7 38.3	NNE	110	56.3	41.3	0			11.8
7	39.0	49.6	29.918	36.5 42.0	NEN	67	56.0	37.3	0			2.8
8	42.7	52.8	30.112	40.8	NEN	72	60.3	35.5	0			6.3
9	45.1	52.3	30.008	45.4 44.9	NEN	82	61.9	37.2	0			14 13.1
10	49.0	52.3	29.936	48.9 46.8	NENE	115	59.3	44.7	0			10.1
11	44.7	50.7	29.877	44.4 41.8	ENE	134	57.3	42.3	0			10.9
12	45.0	49.7	30.089	44.7 41.3	ENE	139	57.5	44.0	0			1.9
13	45.3	51.4	30.054	44.4 42.6	ENE	105	57.4	39.7	0			7.1
14	48.6	53.3	30.056	48.0 46.4	NENE	130	60.7	40.3	0			7.3
15	46.2	53.3	30.076	45.7 44.4	E	123	61.0	45.4	0			6.3
16	46.2	54.3	30.090	45.7 44.8	EN	96	61.3	44.8	0			11.0
17	51.0	56.0	30.152	51.3 48.2	SWWS	58	66.2	41.3	0			6.6
18	55.0	57.8	30.142	55.3 51.2	NENE	67	72.0	46.8	0			8.0
19	52.3	58.2	30.095	--	WWS	78	71.7	53.5	0			12.5
20	49.8	55.4	30.167	--	WEN	70	70.2	46.5	0			10.2
21	51.2	55.8	29.778	--	SW	81	59.0	48.3	0			2.5
22	48.8	55.7	29.714	--	WNW	93	62.3	49.6	0			8.4
23	50.3	56.4	29.264	--	S	162	59.1	48.2	0			0.0
24	44.8	52.7	29.650	--	SWW	161	58.8	45.4	0			1.9
25	53.4	55.0	29.508	--	SSW	169	62.2	43.7	0			12.5
26	49.7	53.3	29.645	--	WWS	142	63.3	49.6	0			2.2
27	44.7	54.7	29.810	--	WSW	80	62.7	46.0	0			30.69
28	43.7	52.2	30.166	--	WSW	121	58.0	42.8	0			6.0
29	51.9	54.0	30.086	--	SW	131	64.3	40.6	0			12.3
30	44.9	56.4	29.746	--	SWWS	157	59.8	48.1	0			12.0
31	49.0	55.3	30.038	--	E	96	62.7	49.2	0			0.8
	47.19	53.28	29.911				61.13	43.62				
							✓	✓				

Definition very bad.

CS

K. CS

g. r

CS Slight shower of hail at about 12.4

Very heavy hail & rain shower @ 11.30

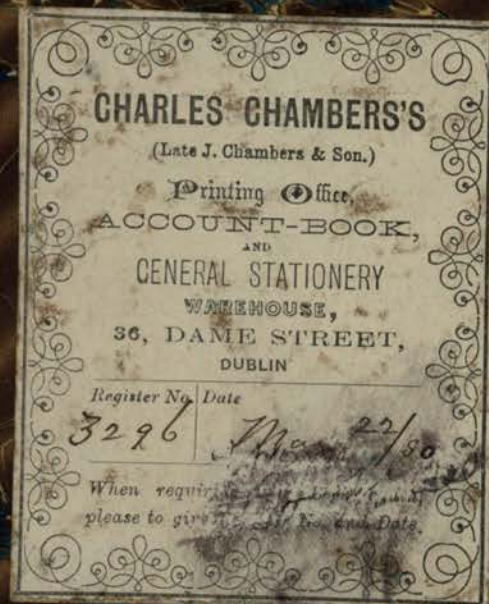


1882

Geographical

Vol.

IV



CHARLES CHAMBERS'S

(Late J. Chambers & Son.)

Printing Office,

ACCOUNT-BOOK,

AND

GENERAL STATIONERY

WAREHOUSE,

36, DAME STREET,

DUBLIN

Register No. Date

3296

March 22/80

When requiring a book, please to give the Register No. and Date.

Up to Oct. 1, 1882 the instruments in use ~~are~~ were the Barometer by Newman,
a Standard Thermometer ^{from Kew} ~~by Frazer & Co.~~, a Dry & Wet by Jones. After Oct. 1, '82
the instruments in use are those belonging to the Meteorol. Office, viz.
Bar. Adie 1237, Stand. Therm. Casella 391-2, Max. Negretti 3404, Min. Casella 427.

For instrumental corrections &c, see last page.

Since January 1885: Dry Bulb B.T. 3256, Wet 3254, same Max. & Min.

THE OBSERVATORY,
ARMAGH.

Meteorological Observations

June 1880 to Aug. 1890.

THE OBSERVATORY,
ARMAGH.

1880	10 A.M.			Hygrom	Anemometer		Rain		Roof Mini Therm.	
June	E	A	Bar	Dry } Wet }	Dir.	Sp.	Square	Kew		
1	55.0	54.2	30.186		E.NE	88	0.005	0.010	45.4	63 v K
2	60.2	55.3	30.145		NE	124	--	--	49.8	63 K.CS
3	62.7	56.6	29.960		N	66	0.002	0.005	48.3	68 KS
4	49.9	55.2	29.952		N	94	--	--	44.5	65 v K
5	53.2	53.3	29.870		W.N	65	0.014	0.010	41.6	0 slight rain S
6	58.8	54.2	29.663		N.W.N	111	0.026	0.040	51.2	
7	51.7	54.0	29.436		NW	55	0.368	0.370	44.8	63 K Sail shower at 9.30.
8	47.4	52.6	29.424		N.NW	44	0.363	0.330	43.7	0 n
9	52.4	51.3	29.536		NE	24	0.575	0.598	38.2	0 KS 9 P
10	54.6	50.7	29.658		N	15	--	--	36.8	65 K
11	59.9	52.8	29.714		S	41	--	--	41.7	69 K
12	57.8	55.8	29.564		S.E	248	--	--	49.3	0 KS 9 S
13	56.1	54.9	29.647		N.W.N	155	0.321	0.330	43.2	62 N.C
14	59.4	55.7	30.020		N.W	29	--	--	43.8	61 K
15	60.6	55.3	30.124		N	30	--	--	42.3	64 K
16	58.3	56.6	30.058		N.E.N	49	--	--	52.3	0 S
17	61.7	59.3	30.096		E	110	--	0.003	56.2	0 S
18	65.8	60.3	29.890		E.N	121	--	--	52.0	610
19	67.2	61.5	29.562	67.0 } 58.3 }	E	106	--	--	54.6	67 CS
20	64.1	62.8	29.399	62.9 } 59.4 }	S.E.E	43	0.348	0.325	54.3	0 K
21	63.7	61.4	29.372	63.8 } 60.2 }	S.W	44	0.659	0.695	56.4	0 K.KS
22	61.4	61.3	29.380	67.1 } 60.8 }	N.W	22	0.018	0.029	51.3	0 K
23	66.8	61.5	29.548	67.2 } 61.4 }	N.E	19	--	--	50.8	0 K & S
24	62.8	61.7	29.556	62.5 } 59.8 }	NW	17	0.273	0.280	56.0	0 K
25	59.3	61.4	29.658	59.3 } 56.1 }	N.W.N	15	0.870	0.834	54.8	0 g S
26	57.3	59.0	29.764	59.3 } 56.0 }	W.N	22	--	--	48.2	0 S
27	60.2	60.1	29.724	59.2 } 60.7 }	S.W.S	77	0.043	0.040	50.7	0 r. g K
28	60.9	61.6	29.830	60.3 } 61.0 }	S.W	147	0.197	0.214	56.5	0 n S
29	60.8	61.0	29.714	59.6 } 61.1 }	S.W	134	0.139	0.148	59.3	0 KS & S
30	60.9	61.0	29.530	58.6 }	NW	96	0.093	0.097	57.6	0 S
31										
Means & Totals	59.30	57.41	29.741				4.314	4.358	49.52	

1880	10 P.M.			Hygrom	Anemometer		Therm.		Sunshine		
June	E	A	Bar	Dry } Wet }	Dir.	Sp.	Max.	Min.	Hours		
1	54.3	56.8	30.202		NEE	119	62.8	45.3	12.3	0	
2	53.6	57.3	30.057		NE	155	68.0	49.8	10.3	0	
3	47.7	58.0	29.912		N	102	68.3	48.8	9.2	0	K
4	44.5	54.6	29.965		NWLN	107	59.7	45.2	10.1	68	K
5	51.6	54.0	29.774		NWLN	104	58.8	42.5	—	0	KS
6	49.1	53.6	29.497		WLN	125	60.9	49.8	6.5	0	
7	44.8	53.2	29.530		WLN	107	57.8	44.8	7.9	63	K. CS
8	43.7	52.0	29.538		NW	36	54.0	44.6	0.4	0	Thunder & lightning in evening.
9	44.3	53.0	29.600		NELN	39	58.3	40.4	10.2	69	CS
10	49.4	52.4	29.688		SWLN	40	62.3	39.3	7.9	0	K
11	52.7	56.0	29.666		SLE	173	65.8	42.8	11.7	610	
12	55.2	56.7	29.608		SLE	253	63.3	48.8	—	0	q N (slight)
13	53.9	61.3	29.746		NEE	60	67.3	53.1	8.6	66	SC
14	49.2	57.7	30.106		NLE	56	66.0	45.8	12.0	610	Definition good.
15	51.6	57.8	30.124		NELN	80	67.2	44.8	12.6	66	KS
16	58.3	60.6	30.085		E LN	151	70.3	52.5	6.7	0	
17	59.2	62.2	30.042		E	109	72.2	55.7	6.4	65	
18	58.8	62.7	29.686	58.7 53.8	E	100	70.3	52.3	9.0	0	
19	56.0	63.2	29.452	55.7 55.4	SE	107	73.0	54.7	5.6	0	Rain began about 6 th p.m.
20	57.4	63.1	29.213	56.7 52.8	SELE	72	67.1	53.9	0.7	0	m. R. S
21	53.8	62.3	29.486	57.9 55.3	SLE	116	70.3	55.3	6.4	68	K
22	55.7	62.0	29.586	53.3 56.4	SW	75	73.3	52.7	9.1	610	
23	56.8	62.3	29.560	56.5 56.7	WLN	36	71.5	52.3	2.8	0	Thunder & lightning commenced at 3 th p.m. Heavy rain
24	56.8	62.0	29.632	54.2 52.6	NLN	17	67.3	57.0	0.4	0	Very heavy rain at 11.30 a.m.
25	53.2	61.5	29.690	51.6 53.7	NELN	38	66.7	54.8	—	610	Definition very good.
26	54.3	61.2	29.896	52.8	NLN	30	65.7	50.3	1.2	0	K. CS
27	59.6	62.4	29.450	50.2 58.9	SWLN	191	64.8	51.6	—	0	S.S. g
28	59.7	61.8	29.826	59.5 59.0	SWLN	138	69.6	59.5	0.3	0	
29	58.3	61.3	29.608	58.2 57.7	SWLN	129	65.0	59.3	—	0	
30	54.4	61.2	29.540	54.2 52.2	NWLN	64	67.0	55.7	1.0	0	
Means & Totals.	53.33	58.81	29.732				66.01 66.02	50.11 50.11	169.3		





—

Abstract

Abstract

100

1880

10 A.M.

Hygrom

Anemometer

Rain

Roof. Min.

July

E

A

Bar

Dry }
Wet }

Dir.

Sp.

Square

Kew

Theron.

1	59.0	59.3	29.512	59.4	WN	39	0.016	0.015	51.4	0	KS
2	59.6	59.8	29.368	59.0	SW	58	0.068	0.075	52.7	0	W S
3	58.7	59.8	29.428	57.6	NW	58	0.548	0.569	52.8	0	K
4	62.1	59.9	29.363	59.2	NNE	61	0.022	0.023	50.1	6.6	N.C
5	60.6	59.2	29.970	60.6	W	58	--	--	52.3	0	K
6	63.8	60.6	29.654	59.7	W	128	0.129	0.130	55.9	0	K S
7	59.9	59.7	29.427	60.4	W	75	0.217	0.229	51.7	0	K.S.
8	54.7	57.8	29.326	56.2	NW	59	0.375	0.400	49.4	0	W S
9	61.2	58.2	29.486	54.4	NW	23	0.097	0.100	49.5	0	K
10	58.7	58.8	29.706	53.8	NW	28	0.200	0.219	53.6	0	KS
11	59.1	58.8	29.847	55.2	WNW	17	0.047	0.026	48.7	6.2	N.C
12	58.0	68.3	29.918	55.3	E	17	0.265	0.285	50.3	0	KS
13	58.3	57.7	29.972	58.3	NE	11	0.235	0.253	51.6	0	S
14	57.1	58.3	29.980	57.6	NE	75	0.485	0.508	55.0	0	S
15	52.6	57.2	29.842	57.2	NE	131	0.274	0.289	53.0	0	W g S
16	61.2	58.2	29.948	61.3	E	48	0.310	0.327	53.0	0	S
17	64.6	58.7	29.866	59.7	EN	12	0.002	0.003	49.8	610	
18	62.5	61.4	29.596	60.3	NW	22	--	--	57.3	0	K.S.C
19	60.3	61.4	29.786	56.2	NW	14	0.026	0.030	55.4	0	K, KS
20	58.6	59.5	29.966	58.8	NW	19	--	--	47.7	0	KS
21	59.8	57.3	29.920	53.3	NE	19	--	--	44.4	65	K
22	59.8	59.0	29.828	59.6	NE	11	--	--	51.0	0	S
23	63.8	60.3	29.676	54.3	SSE	59	--	0.003	52.8	0	S
24	64.2	60.7	29.604	59.3	SW	42	0.732	0.752	54.3	62	K
25	64.3	60.2	29.630	64.6	S	35	0.109	0.119	50.8	64	K
26	60.2	62.0	29.576	57.8	NE	86	0.015	0.020	56.3	0	S
27	64.8	62.0	29.491	60.2	SW	80	0.459	0.483	57.0	62	K
28	65.0	62.5	29.210	60.4	SST	78	0.583	0.612	54.8	0	g
29	60.6	60.0	29.325	61.8	W	40	0.020	0.029	50.2	0	K
30	58.8	58.7	29.402	61.3	W	48	0.543	0.517	47.5	0	
31	59.3	56.8	29.544	59.4	SW	70	0.038	0.043	45.5	0	K
Means & Totals.	60.43	59.42	29.660	54.8			5.815	6.059			

1880	10 P.M.			Hygrom	Anemometer		Therm.		Sunshine	
July	E	A	Bar	Dry } Wet }	Dir.	Sp.	Max.	Min.	in Hours	
	53.3	61.0	29.476	54.8 54.2	SW	76	65.5	52.8	6.3	0
	54.8	60.8	29.364	54.7 54.3	WES	64	67.0	53.6	4.5	0
	54.8	60.6	29.718	54.4 52.5	N	87	65.5	54.0	2.8	33 K
⊙	53.4	62.1	29.814	53.7 52.5	N	58	67.1	49.9	12.5	6.2 K S
	57.3	60.3	29.872	57.0 53.5	SWNW	72	65.3	53.3	2.6	0
	54.7	61.3	29.544	54.0 54.3	TWNW	49	67.8	55.8	4.5	0 10
	51.9	59.3	29.412	50.8 50.8	NW	62	65.3	52.7	4.5	0
	53.4	58.7	29.388	53.0 52.7	NW	66	62.0	50.5	1.1	0
	55.2	60.0	29.598	54.3 53.8	NNE	31	68.3	51.0	2.3	0
	50.6	59.3	29.838	50.2 49.3	NW	59	66.8	52.3	4.8	10.0 v
⊙	54.1	62.3	29.726	53.7 52.1	NE	32	65.0	49.2	0.8	6.1 K
	53.4	61.2	29.893	53.2 52.7	E	62	61.5	50.1	0.0	0 K.
	54.8	59.0	29.992	53.8 53.8	NE	58	64.6	52.3	1.7	0
	56.1	59.2	29.936	55.7 53.6	NNE	113	65.3	54.6	1.0	0
	53.3	57.8	29.890	53.0 54.4	EN	112	61.0	52.5	1.2	0
	56.8	60.8	29.950	56.3 56.3	SE	16	71.3	55.5	7.2	68
	57.3	63.2	29.770	55.5 55.5	NE	47	73.5	51.3	7.8	0 K
⊙	55.2	62.7	29.601	56.1 56.1	NENE	34	66.8	55.6	2.8	6.2 K S
	52.8	60.3	29.866	52.3 51.0	N	45	67.8	54.5	1.9	68
	48.8	57.2	29.982	48.5 47.3	NNE	36	65.4	50.3	6.2	10.0 Definition excellent.
	51.2	57.3	29.894	50.6 50.3	NEN	66	68.8	47.2	14.5	10.0 Definition fair
	58.3	61.7	29.758	58.4 56.7	S	36	68.7	54.8	3.5	0
	58.0	61.2	29.626	57.6 57.3	SSE	106	67.0	53.3	7.4	0
	53.2	62.3	29.602	52.9 52.8	SSW	52	72.0	54.5	7.8	10.7
⊙	59.4	63.8	29.550	59.2 58.2	SE	108	71.3	54.7	12.8	0
	57.5	61.5	29.382	57.2 57.0	E	85	64.0	56.5	0.0	0 12
	57.7	61.3	29.444	57.5 57.3	SE	67	71.8	57.3	7.6	0 12
	53.0	61.4	29.336	52.8 52.4	SW	94	67.8	53.8	2.2	10.7
	52.0	61.0	29.396	51.4 51.4	W	31	65.2	51.4	4.6	6.5
	49.0	56.0	29.548	48.7 48.3	TWN	54	62.2	48.8	6.5	6.8
	54.4	59.4	29.474	54.3 53.2	SW	43	61.0	46.7	7.4	0 14.5
Means & Totals	54.51	60.53	29.666				66.58 66.9	52.41	19.54	

1850

10 A.M.

Hygrom

Anemometer

Rain

Reefline

August

E

A

Bar

Dry }
Wet }

Dir.

Sp.

Square

Kew

Ther?

☉	1	60.9	59.2	29.492	60.1 57.4	SWLS	27	0.098	0.102	51.3	0	H. m
	2	60.8	57.2	29.560	61.3 55.7	NTW	30	--	0.006	46.2	0	
	3	62.0	58.8	29.634	62.8 60.3	SW	36	0.054	0.063	52.0	0	KS
	4	64.6	61.3	29.554	64.4 61.5	SW	101	0.005	0.007	60.4	0	S
	5	64.4	62.0	29.428	64.2 60.3	SW-S	104	0.396	0.413	56.2	0	K
	6	62.7	61.5	29.385	62.4 57.0	SW	93	0.062	0.060	56.3	63	K
	7	55.5	59.2	29.258	55.9 54.8	SSW	58	0.263	0.243	57.3	0	S
☉	8	58.9	60.4	29.422	58.4 57.7	W	73	0.150	0.205	52.1	6.7	KS
	9	63.2	59.3	29.836	63.0 56.8	SW	30	--	0.003	49.0	0	K
	10	69.3	63.7	30.072	69.2 67.0	SW-S	91	--	0.002	63.3	0	S
	11	72.6	66.0	30.144	70.6 67.2	E	14	--	--	65.3	0	KS
	12	70.2	65.8	30.130	70.0 65.3	ESE	24	--	--	58.6	64	KS
	13	69.0	65.4	30.096	69.7 62.6	NE-N	32	--	--	57.7	610	
	14	70.6	66.0	30.060	70.7 64.8	NE	25	--	--	57.0	610	
☉	15	68.9	64.1	29.835	68.3 64.8	NE-E	16	--	--	55.1	6.10	
	16	64.3	65.8	30.002	64.6 61.0	SE-E	51	--	--	57.6	0	S
	17	59.3	64.3	30.106	59.4 56.2	E-NE	69	--	--	58.3	0	S
	18	58.7	63.0	30.036	58.6 56.3	NE-E	68	--	--	56.8	0	S
	19	62.7	62.5	29.968	62.8 58.8	NE-E	5	--	--	55.3	0	S
	20	66.2	63.0	29.960	66.4 59.9	W-S	24	--	--	57.2	0	S
	21	63.3	61.3	30.034	63.0 59.2	N-NE	13	--	--	48.8	610	
☉	22	64.6	62.8	29.947	64.1 58.4	N-N	35	--	--	54.6	6.8	haze
	23	64.2	64.0	29.982	64.5 60.6	NE	7	--	--	58.5	0	K
	24	61.6	63.8	29.958	61.8 57.3	NE-E	46	--	--	56.2	0	KS
	25	63.3	63.3	29.856	63.1 58.1	E-S	50	--	--	56.6	0	KS
	26	62.7	63.3	29.776	62.8 60.3	SE-E	73	0.030	0.029	58.6	0	
	27	63.7	61.8	30.000	63.7 61.3	E	8	--	0.001	57.7	0	S
	28	69.8	64.8	30.134	69.7 65.6	NE	13	0.004	0.006	60.9	67	KS
☉	29	67.4	64.2	30.039	67.4 61.3	NE-N	34	--	--	54.3	6.9	C
	30	63.8	63.3	29.860	64.3 60.8	NE	27.5	--	--	50.6	64	
	31	67.7	63.0	29.854	67.4 62.0	SSE	6	--	--	50.4	68	K
		64.48	62.79	29.865				1.070	1.140			

1880	10 P.M.			Hygrom	Anemometer		Therm.		Sunshine in Hours	
August	E	A	Bar.	Dry } Wet }	Dir.	Sp.	Max.	Min.		
1	52.9	62.6	29.447	52.8 50.3	NNE	32	67.3	52.5	0.0	0.9 K.C.
2	53.7	58.0	29.654	53.4 52.2	TWS	49	68.3	47.7	9.9	68
3	60.9	61.0	29.646	60.9 60.3	SWWS	77	65.3	53.0	0.6	0
4	61.6	62.5	29.470	61.3 60.3	SW	135	71.3	60.2	0.7	0
5	57.8	62.0	29.396	57.7 55.8	SSW	105	69.3	56.5	3.7	0
6	53.8	62.0	29.420	53.5 52.6	SW	69	69.3	55.0	10.7	68
7	54.6	60.2	29.346	54.4 52.5	W	62	64.4	52.2	1.4	67 K
8	53.8	63.6	29.513	53.2 52.2	TWNW	64	70.1	51.2	9.5	6.10 stars
9	62.3	63.8	29.914	59.4 58.5	S	76	70.3	50.3	12.2	0
10	66.3	65.3	30.132	65.3 63.8	SSW	61	77.0	52.3	2.2	0
11	64.2	67.0	30.140	63.5 62.2	EWS	50	78.0	54.8	5.4	6.10 Definition good.
12	62.2	66.3	30.122	62.2 60.8	ENE	54	77.4	59.3	8.7	6.10 Auroral streamers at 10 th 30 p.m.
13	60.8	67.4	30.078	60.0 61.0	NNE	58	76.5	58.8	13.5	6.10 Aurora
14	61.3	67.5	30.036	60.4	S	31	77.5	58.7	11.6	7.10
15	51.4	66.9	29.826	50.9 50.8	S	52	76.8	66.8	8.2	6.8 S.C.
16	58.7	66.2	30.028	57.5 56.8	NEUE	64	69.4	57.7	4.8	0
17	59.2	62.7	30.103	57.0 56.6	NE	81	65.2	59.2	0.0	0
18	57.2	63.5	30.032	55.2 55.3	NEUE	49	65.6	57.3	0.0	0
19	58.4	63.6	29.736	55.5 57.3	SW	18	67.0	57.2	0.0	0
20	57.2	62.3	30.003	57.3 56.8	ENE	9	73.0	58.0	3.6	6.10
21	53.1	63.0	30.014	57.7 56.6	NNE	43	71.6	54.6	9.2	6.2 K
22	60.3	65.1	29.866	61.2 59.1	E	46	72.1	54.9	11.5	6.4 S.C.
23	59.3	63.3	29.964	57.2 57.3	ESE	37	71.8	59.3	2.9	0
24	57.7	61.4	29.916	55.7 57.2	EWS	55	65.6	57.0	2.4	0
25	59.3	63.8	29.794	54.3 57.6	SEUE	86	68.7	57.3	2.3	0
26	57.8	63.4	29.876	56.7 62.3	NEUE	46	68.0	59.3	0.0	0
27	61.4	64.7	30.092	61.5 61.0	SE	11	71.7	54.2	1.4	0
28	61.6	66.3	30.072	61.8 59.8	SEUE	33	76.6	61.3	9.0	6.10
29	57.1	61.2	29.864	55.9 56.3	SWWS	67.5	75.9	57.7	10.5	2.8
30	66.5	62.0	29.832	55.3 61.5	SSE	49	73.6	52.2	9.0	6.10 half of sky intensely black.
31	61.7	65.8	29.842	61.6	S	117	74.7	52.6	6.1	0
	59.04	63.56	29.851				71.24 ✓	55.87 ✓	171.0	9

1880	10 A.M.			Hygrom	Anemometer		Rain		Road Min	
September	E	A	Bar	Dry } Wet }	Dir.	Sp.	Square	Kew	Ther.°	
1	65.0	64.7	29.927	65.2 65.8	SSW	107	0.044	0.037	60.2	
2	65.2	62.2	30.064	65.4 62.3	SE	26	0.003	0.007	49.6	o S. KS
3	65.6	64.8	29.998	65.7 62.9	S	68	--	0.003	61.3	o KS
4	71.0	64.8	29.723	71.0 64.8	SE	49	--	--	53.0	610
5	64.4	66.2	29.677	64.3 60.9	SWLS	92	--	--	o	KS
6	62.0	62.8	29.781	62.0 55.3	SWW	137	--	0.003	52.3	
7	59.3	61.0	29.856	55.5 57.2	SW	69	--	0.009	49.2	o K
8	57.8	58.4	29.974	57.7 57.3	NE	19	0.001	--	41.7	68 K
9	61.4	59.7	29.682	61.3 56.3	SE	76	--	--	47.4	65 K
10	62.3	63.7	29.297	62.1 60.4	S	156	0.104	0.102	59.1	o + KS
11	60.5	59.6	29.406	60.3 58.2	SWS	100	0.948	0.956	47.3	64 K
12	58.8	61.1	29.347	59.3 57.1	SW	57	0.017	0.007	48.1	6.2 K C
13	56.5	58.2	29.448	56.3 52.7	WWS	78	0.227	0.236	44.2	65 K
14	57.8	57.2	29.190	51.3 54.8	ENE	102	0.339	0.338	49.9	o K S
15	56.2	56.3	29.494	52.3 58.2	NW	111	0.672	0.379	49.8	o K
16	58.0	56.5	29.754	52.8 58.2	NNE	81	0.027	0.027	49.6	66 KS
17	58.0	57.3	29.632	55.3 53.3	SW	77	--	0.002	44.8	62 K
18	55.3	51.8	29.370	50.8 53.3	SWW	70	0.717	0.744	44.3	65 K
19	58.4	63.3	29.515	53.3 49.1	WWS	94	0.119	0.109	42.2	6.3 K C
20	55.2	53.6	29.660	52.2 56.3	NW	75	0.070	0.095	44.8	64 K
21	56.3	55.7	29.636	55.2 56.8	W	56	0.007	0.006	47.8	62 K KS
22	57.2	56.7	29.708	56.3 60.7	WN	80	0.478	0.490	53.2	o S
23	60.3	57.2	29.902	59.3 58.5	SWW	59	0.030	0.034	53.7	o K
24	58.3	57.8	29.845	56.3 60.6	SST	51	--	0.002	55.2	o g S
25	60.6	60.5	29.872	59.4 56.3	SWS	67	0.036	0.033	56.9	o S
26	60.4	58.1	29.826	56.3 57.2	S	65	--	--	53.3	o KSC
27	59.2	58.7	30.024	56.7 54.6	SW	100	--	--	55.3	o KS
28	54.3	55.7	30.286	54.3 60.7	NW	15	0.008	0.016	48.7	f
29	55.8	57.8	30.290	54.8 57.6	SW	38	0.015	0.003	58.3	o g S
30	57.8	57.4	30.198	55.3	SE	21	--	--	51.0	
31	59.20	59.43	29.744				3.569	3.638		

1850	10 P.M.			Hygrom	Anemometer		Therm.		Sunshine in	
September	E	A	Bar	Dry } Wet }	Dir.	Sp.	Max.	Min.	Hours	
1	58.0	62.2	30.100	57.6 58.2	NNE	31	71.3	57.5	1.3	0
2	63.8	66.5	30.040	61.8 62.2	SW	130	72.0	51.7	2.8	0
3	62.3	66.0	29.895	60.3 65.8	SE	114	74.0	61.5	5.8	110
4	66.0	68.6	29.654	64.0 64.3	S	163	77.5	53.7	9.5	0
5	51.8	64.7	29.615	54.3 55.0	SWS	116	71.9	56.8	3.7	6.10
6	55.2	59.0	29.774	51.8 52.0	SW	125	68.0	53.4	7.1	0
7	53.5	61.7	29.732	51.6 46.3	WNW	49	67.2	50.7	3.3	62
8	47.3	55.7	29.814	45.5 68.3	ENE	66	64.7	46.0	11.0	110
9	55.4	63.0	29.470	57.6 55.3	WSW	31	67.8	48.2	9.2	0
10	55.3	59.0	29.340	55.3 51.0	SW	97	64.7	55.5	0.2	0
11	51.7	57.2	29.444	50.6	SEES	83	66.0	50.6	9.2	62
12	51.8	61.7	29.269	51.3 51.3	SWS	42	67.9	49.7	9.8	6.4
13	51.7	57.5	29.414	48.2 50.2	SE	68	62.5	45.8	9.8	0
14	51.3	53.6	29.338	48.8 53.3	NW	153	55.2	50.5	1.0	0
15	53.9	55.8	29.638	51.2 45.7	NW	146	59.0	50.2	0.3	0
16	45.8	56.8	29.758	45.2 51.0	SWS	60	62.3	46.7	7.2	110
17	52.6	56.8	29.418	50.8 46.7	SW	117	64.2	46.3	3.8	63
18	47.0	54.3	29.648	45.8	SWW	85	55.0	45.3	6.9	0
19	47.1	57.1	29.349	46.2 50.8	SWW	88	57.4	42.2	7.9	6.7
20	51.2	54.8	29.667	47.6 52.2	SE	74	60.3	45.4	5.4	0
21	52.8	56.2	29.638	52.2 52.7	SE	74	63.3	49.3	2.0	0
22	52.7	57.2	29.364	52.7 55.6	SW	17	63.5	52.6	0.7	62
23	55.9	55.3	29.896	54.4 56.6	SWW	89	67.7	53.6	2.7	65
24	56.8	58.3	29.768	56.0 54.3	S	74	62.8	54.7	0.1	0
25	54.3	59.8	29.836	53.3	S	57	67.0	55.5	3.1	110
26	58.7	60.2	29.820	57.8 53.3	S	97	66.3	52.9	1.6	6.6
27	53.7	60.0	30.178	52.2 54.8	W	88	64.4	55.3	0.8	110
28	55.0	57.8	30.295	54.3 54.7	SSE	29	67.0	45.8	5.5	0
29	54.8	57.8	30.248	52.2 52.7	S	23	60.0	53.6	0.0	0
30	54.0	56.2	30.102	52.0	SE	44	60.5	54.4	0.0	0
	54.28	59.16	29.738				65.1 65.15	51.3 51.26	13.9	

1880	10 A.M.			Hygrom	Anemometer		Rain		Red. Min	
October	E	A	Bar	Dry } Wet }	Dir.	Sp.	Square	Kew	Ther	
1	57.4	57.2	30.006	57.3 56.2	SW63	65	—	—	33.8	
2	55.3	56.8	29.982	55.2 43.7	NW	51	0.291	0.298	45.0	0 9 S
3	48.8	50.9	29.734	48.7 47.4	WNW	58	—	0.006	36.1	6.6 K
4	44.4	48.7	29.604	44.2 46.2	N	26	0.023	0.010	36.8	6.10
5	46.3	49.7	29.326	46.2 43.1	NEN	11.6	—	—	37.6	0 S
6	49.8	49.2	29.368	48.3 46.4	NNE	97	0.172	0.170	42.7	0 K
7	48.3	49.3	29.562	48.2 45.3	NEN	168	—	0.002	46.0	0 KS
8	50.3	50.3	29.710	50.3 47.7	NEN	81	—	—	45.2	0 K
9	48.3	48.3	29.900	48.4 46.7	N	36	—	0.003	38.9	6.3 K
10	51.8	52.1	30.046	51.9 46.1	NE	66	—	0.005	37.8	6.8 S
11	46.8	46.3	30.190	46.6 45.5	NEN	20	0.006	0.005	32.6	6.6 S
12	47.6	47.7	30.181	47.7 47.0	NE	12	—	0.001	37.0	0 S
13	47.7	47.7	30.188	47.7 46.5	SW	21	—	0.001	40.0	0 S
14	51.4	48.8	30.208	51.2 48.6	SW	28	—	—	45.3	0 S
15	48.3	47.8	30.065	48.3 47.2	S	14	—	—	44.3	0 KS
16	47.3	48.7	29.896	47.2 46.3	N	8	0.002	0.003	44.7	0 fog.
17	51.1	49.9	29.948	51.1 48.4	SW65	22	—	—	44.7	6.1 mist clearing
18	53.0	50.2	29.827	53.2 50.6	SW	90	0.018	0.018	44.7	6.1 K
19	40.1	45.3	29.954	39.8 39.4	NNW	18	0.076	0.075	33.7	0
20	35.7	41.6	29.596	35.6 32.0	SW	21	0.005	0.005	24.1	6.10
21	38.5	41.2	29.792	38.3 35.4	NNE	21	—	0.009	26.3	6.10
22	36.2	39.2	29.654	35.8 33.3	NNE	21	0.005	0.006	22.7	6.10 S & K
23	42.7	44.8	29.845	42.6 41.2	NEN	78	0.008	0.005	31.6	
24	41.4	42.4	29.809	41.3 39.3	SW	44	—	0.005	29.2	6.4 K. S. C.
25	48.3	44.3	29.872	48.7 45.2	SW	88	0.008	0.005	35.0	0 K KS
26	41.3	42.8	29.468	41.2 38.8	NE	95	0.060	0.057	39.0	0 S
27	39.2	42.2	29.240	39.2 36.7	NNE	172	0.015	0.015	37.0	0 S
28	40.0	41.8	29.094	39.4 35.3	N	263	0.361	0.370	34.0	0 9. K
29	42.3	40.8	29.628	42.3 38.8	NW6N	49	—	0.003	31.7	6.5 KS
30	39.2	41.3	29.886	39.8 37.8	SW	72	—	—	24.8	6.2 KS
31	44.1	43.1	29.697	44.1 43.2	SW65	137	0.006	0.005	6.1	KS
	45.62	46.68	29.784				1.054	1.088		

1880	10 P.M.			Hygrom	Anemometer		Therm.		Sunshine		
Calendar	E	A	Bar	Dry } Wet }	Dir.	Sp.	Max.	Min.	Hours		
1	55.7	58.0	29.848	54.8 55.2	W6N	72	62.3	53.8	0.6	0	r
2	40.2	51.7	29.908	39.8 38.6	W6S	67	58.3	41.0	5.6	68	
3	39.3	33.2	29.862	38.1 38.3	SW	50	54.7	36.1	9.4	6.10	
4	38.8	45.2	29.862	37.8 44.2	NNE	65	53.0	34.8	5.9	6.10	Definition very bad
5	44.4	46.3	29.287	41.6 46.3	N	134	49.6	38.6	0.9	0	
6	46.8	49.0	29.472	44.2 46.8	NNE	106	53.6	43.7	0.0	0	
7	47.2	50.0	29.644	44.8 45.3	NEEN	117	52.6	45.5	0.3	0	
8	43.8	49.7	29.770	42.8 42.0	N	61	54.0	44.3	2.4	0	
9	42.6	47.3	29.786	41.6	NNE	100	55.0	40.4	8.0	6.10	
10	38.2	39.9	30.018	38.2 38.8	NEEN	86	55.9	37.6	8.8	6.10	
11	41.2	43.8	30.214	40.6 40.7	ENE	63	55.0	34.7	7.6	0	S
12	40.3	48.2	30.167	40.3 45.6	N	17	54.8	38.7	0.0	62	
13	45.6	45.5	30.190	44.3 46.7	SSW	11	53.0	40.5	0.0	0	
14	46.7	47.7	30.110	45.8 45.7	SW6S	17	55.6	44.7	0.0	0	
15	46.2	49.3	29.953	45.2 45.7	NEEN	10	55.7	44.5	0.0	0	
16	46.0	49.2	29.904	45.6	N	8	51.3	44.6	0.1	0	
17	47.4	52.2	29.803	47.1 48.4	STV	27	53.9	44.7	0.7	6.3	K. C.
18	37.2	43.8	29.870	38.5 32.8	NNW	91	57.6	40.3	2.5	68	CS
19	33.3	45.0	29.778	32.6 32.2	NWEN	19	46.6	34.5	3.4	6.10	
20	32.3	42.2	29.629	31.3 28.7	SW	45	43.0	27.7	7.0	6.14	K
21	28.8	38.4	29.710	28.8 33.8	SSE	43	45.0	28.3	8.1	6.10	
22	34.5	41.5	29.694	33.5 30.8	NE	101	45.8	26.6	6.4	6.10	
23	31.0	42.2	30.023	30.8	NEEN	71	48.7	32.2	8.4	6.10	fog.
24	42.3	44.6	29.966	41.8 41.3	STV	43	50.9	29.2	2.3	6.4	garr. starts at 5
25	41.6	45.2	29.658	41.3 37.2	SW	123	52.5	38.3	3.7	0	
26	37.3	42.0	29.314	35.6 38.4	NE	177	44.8	36.7	0.0	0	
27	38.1	42.0	28.950	36.7 35.6	NEEN	249	42.0	35.3	0.0	0	q.
28	36.4	41.2	29.315	33.3 35.2	NW	158	44.0	36.3	0.2	68	
29	35.0	42.0	29.848	34.5 37.7	SSW	42	46.2	32.7	6.5	0	
30	37.8	43.0	29.850	37.0 37.6	SW6S	124	48.0	34.3	5.5	6.9	KS
31	37.6	44.0	29.921	35.8	NWEN	96	51.5	34.8	1.4		
	40.57	47.06	29.769				51.38 51.4	37.92	104.8		

1880	10 A.M.			Hygrom	Anemometer		Rain		Reef Wind	
November	E	A	Bar	Dry } Wet }	Dir.	Sp.	Square	Kew	Therm	
1	37.3	41.3	30.073	39.2 38.5	SWbS	30	0.030	0.031	33.5	0
2	37.9	40.7	29.914	39.8 37.2	ES	45	0.008	0.007	35.5	75
3	36.3	40.7	30.136	36.2 35.8	SE	21	—	—	32.2	0 f
4	38.7	42.2	30.246	39.0 38.2	SWbS	75	0.009	0.005	32.0	0 f
5	45.2	42.3	30.171	44.8 44.8	SW	60	—	0.006	35.3	76
6	46.8	44.2	30.061	45.8 47.6	SW	120	0.007	0.002	44.2	0 K
7	51.6	46.9	29.778	51.2 49.2	SWbW	201	0.048	0.055	39.7	0 K r
8	40.3	43.7	30.173	38.2 40.3	NWbW	31	0.065	0.063	33.8	39 CS
9	44.7	43.0	29.952	43.2 45.6	SWbS	168	—	0.002	34.3	0 g K
10	45.7	44.2	29.831	46.0 40.8	S	54	0.131	0.135	33.2	0 S
11	50.7	47.2	29.700	50.3 50.1	SW	123	0.027	0.027	46.3	0
12	50.0	47.8	29.626	49.3 51.3	SW	111	0.079	0.205	45.3	0 K KS
13	55.0	51.3	29.216	51.3 51.4	SW	301	0.441	0.465	50.3	0 S
14	49.9	50.7	29.790	50.8 50.6	SWbS	198	0.581	0.604	51.4	0 K S
15	33.2	40.0	29.402	32.7 31.3	S	54	—	0.010	28.0	0 S
16	37.8	42.2	28.558	37.3 36.4	N	197	0.454	0.455	36.2	0 g KS
17	34.4	39.8	28.766	34.3 32.6	NWbW	83	0.052	0.047	30.8	68 K
18	32.6	37.5	29.038	32.5 31.0	NbE	19	—	—	25.2	710
19	32.6	36.7	29.272	32.3 31.0	NbW	46	—	0.017	15.5	65 KS
20	27.6	33.8	30.076	27.2 27.2	EVE	18	0.048 ^x	0.017	21.4	610 * Snow rice
21	36.8	38.2	29.986	37.1 35.9	S	145	—	—	25.1	610
22	36.8	37.0	29.592	36.7 33.2	SSE	154	—	—	27.2	0 S
23	41.0	39.5	29.304	41.0 40.6	SbW	212	0.338	0.335	36.7	67 K
24	45.6	43.2	29.260	45.6 44.3	S	229	0.179	0.175	40.8	74 KS
25	44.4	44.3	29.058	44.2 42.6	SSTW	266	0.106	0.105	42.3	63 C.C.S. K
26	48.8	46.3	28.828	48.6 48.6	SWbS	453	0.148	0.150	46.0	0 g
27	42.3	44.3	29.562	42.0 41.2	SSTW	222	0.050	0.049	39.4	65 K
28	50.7	46.9	29.643	50.1 48.4	SSW	362	—	0.002	43.1	0 K g. f
29	43.6	46.2	29.780	43.3 42.6	SSTW	113	0.191	0.209	42.7	0 S
30	50.3	46.6	29.874	50.2 47.7	SbE	91	0.041	0.049	43.7	0 g S
31	42.49	42.92	29.601				3.169	3.235		

At 9th a.m. vel of wind = 65

1850.

10 P.M.

Hygrom

Anemometer

Therm.

Sunshine

November

E

A

Bar

Dry }
Wet }

Dir.

Sp.

Max.

Min.

Hours

1

37.7

42.0

30.033

37.6
35.8
34.7

ENE

21

44.3

34.2

0.1

0

2

39.9

42.3

29.970

37.8
37.6
37.3

SE

16

45.4

35.8

1.7

0

3

38.3

40.5

30.260

37.3
42.7
42.3

SE

27

48.7

32.4

2.4

6.10.

4

42.6

41.3

30.208

42.3
41.2
41.0

STW

58

45.5

31.6

0.2

0

Slight mist

5

41.3

43.6

30.118

43.0
43.5
46.8

STW

81

52.0

40.4

1.3

0

6

43.7

46.3

29.926

46.8
46.6
46.3

STW

184

54.0

42.6

1.3

0

©

7

41.6

46.0

29.978

46.3
35.8
33.2

NNW

31

63.9

41.5

0.4

6.4

stars.

8

35.7

41.2

30.203

43.7
43.2
43.1

SE

59

45.3

34.7

6.1

6.6

9

43.4

45.3

29.954

43.2
43.4
43.3

NNW

183

51.7

35.6

0.0

0

10

44.7

46.7

29.686

43.6
43.6
43.6

STW

146

51.7

41.5

0.3

0

11

50.0

48.8

29.628

43.7
43.6
43.6

STW

161

55.0

41.6

1.1

0

12

50.2

50.8

29.424

43.7
43.7
43.7

STW

134

53.8

43.8

0.3

0

13

54.3

52.6

29.068

54.2
53.7
53.9

STW

290

58.2

44.8

0.0

0

©

14

33.9

45.0

29.288

31.8
30.8
30.2

SW

178

58.0

34.5

0.6

6.9

Thick clouds S

15

39.0

42.3

28.918

38.2
34.0
34.3

SE

109

41.3

29.8

0.5

0

16

34.8

41.3

28.506

34.3
30.3
30.7

WNW

127

44.8

34.5

0.9

0

Snow with

17

30.8

37.3

29.042

30.7
32.9
32.8

SW

62

39.2

30.3

5.9

0

18

33.2

39.4

29.025

32.9
32.8
32.7

N

104

39.8

27.1

5.7

0

K. C.

19

27.9

36.0

29.783

32.7
31.3
31.3

NE

96

38.8

27.5

2.3

6.10

20

31.3

36.0

30.148

32.7
32.6
32.6

SSE

36

36.7

23.3

5.1

6.10

©

21

34.6

37.0

29.861

32.0
36.2
35.5

SE

216

44.8

28.5

5.8

6.10

22

36.2

37.8

29.386

44.2
44.2
44.2

SE

222

39.7

31.3

0.3

0

K

23

44.6

42.7

29.238

50.3
49.2
49.2

STW

217

48.8

35.7

2.6

6.9

24

50.3

45.8

28.918

43.2
43.0
42.3

SSE

278

52.4

44.3

3.0

0

K

25

43.5

44.0

29.754

42.8
42.7
42.7

SE

242

52.7

40.6

1.8

0

26

42.3

44.0

29.115

43.8
42.7
42.7

STW

358

53.0

40.6

4.0

0

27

43.2

44.0

29.708

43.8
43.8
43.8

SE

220

41.5

37.8

5.0

6.6

K S

©

28

48.5

48.0

29.750

43.8
43.8
43.8

STW

361

54.8

43.0

0.0

0

29

44.3

45.8

30.050

43.8
43.3
43.3

STW

79

52.0

41.4

0.0

0

30

47.3

47.3

29.752

45.3
45.3
45.3

S

274

52.4

42.6

0.2

0

44.20

43.41

29.607

48.3 ✓

48.27

1880	10 A.M.			Hygrom	Anemometer		Rain		Local Time	
December	E	A	Bar	Dry } Wet }	Dir.	Sp.	Square	Kew	Therm.	
1	45.9	46.7	29.730	45.3 45.3	WSW	213	0.091	0.097	44.2	61 KS
2	57.0	41.3	30.001	57.3 47.6	SE	83	0.013	0.009	33.2	67 CS
3	47.6	46.0	29.524	47.3 48.4	SSE	196	0.042	0.049	37.3	0 R S
4	45.8	44.8	30.118	45.3 49.3	SWW	63	0.097	0.093	37.3	65 KS
5	49.6	47.4	30.001	48.9 51.6	S	186	0.018	0.010	45.2	0 R S
6	51.7	49.7	30.118	51.3 48.7	SW	211	0.106	0.107	48.6	0 R S
7	48.6	48.7	30.272	48.2 47.7	SW	120	0.017	0.021	40.3	65 KS
8	47.8	47.2	30.216	45.8 46.4	SSE	245	—	—	46.2	0 KS
9	46.4	47.5	30.237	45.2 47.5	SWS	123	—	0.030	—	0
10	47.6	48.7	30.162	45.3 48.7	WS	190	0.041	0.012	46.0	63 K
11	48.0	47.3	29.916	48.0 45.1	SSE	162	—	—	43.5	0 R (light) S
12	44.9	44.2	29.748	42.3 46.7	W	121	0.008	0.005	40.7	67 S.C
13	46.3	47.3	29.770	46.3 37.4	W	157	0.096	0.095	45.0	0 R S
14	38.0	44.5	29.786	37.2 43.4	WSW	96	0.099	0.096	36.7	0 S
15	43.7	44.3	29.272	43.6 38.2	SW	161	0.378	0.377	33.7	65 K
16	38.3	43.0	29.504	36.3 38.7	NNE	113	0.140	0.137	37.0	62 K
17	28.7	36.7	29.612	29.0 36.6	SWW	30	—	—	24.3	610
18	36.8	37.8	28.900	36.3	SE	279	0.151	0.149	27.3	0 K
19	32.4	34.5	28.986	32.3 32.3	SSE	281	—	0.005	30.6	69 C
20	32.3	35.3	29.216	32.2 30.7	S	127	0.059	0.005	29.9	68 KS Snow on ground.
21	30.9	35.5	29.750	31.0 39.2	SWW	56	—	—	29.9	610
22	40.0	37.2	29.364	38.7 46.0	WS	79	0.335	0.253	25.8	0 R S
23	46.2	41.6	29.062	46.2 38.2	SWS	115	0.598	0.630	40.7	0 KS
24	38.1	41.2	29.100	36.5 34.2	NW	119	0.233	0.230	38.6	0 K
25	34.3	36.9	29.369	34.2 30.1	W	102	—	0.040	28.8	6.10 snow on ground
26	26.1	34.6	29.412	26.3 27.3	SSW	72	—	0.020	25.4	6.10 D°
27	27.1	34.0	29.218	27.3 34.6	NNE	9	—	0.017	25.0	6.10 d°
28	35.0	35.8	29.194	34.0 33.3	N	97	0.148*	0.076	26.3	0 S * Snow & ice
29	36.5	36.2	29.182	33.2 28.3	N	27	0.006	0.005	33.0	0 S
30	28.3	33.2	29.200	28.7 31.3	SWS	72	—	—	27.8	610.
31	31.3	33.2	29.964	31.2	SSE	80	0.035*	0.016	28.7	0 * Snow & ice
	39.71	41.37	29.624				2.713	2.584		

1880	10 P.M.			Hygrom	Anemometer		Therm.		Perspiration	
December	E	A	Bar	Dry } Wet }	Dir.	Sp.	Max.	Min.	Hours	
1	35.3	44.0	29.904	35.2 35.3	SSW	90	50.3	35.8	1.7	610
2	44.8	43.7	29.901	41.6 43.0	SE	96	47.0	32.3	3.7	0
3	38.0	43.0	30.016	37.8 38.2	S	107	50.8	38.3	1.9	65
4	44.0	46.0	30.116	43.7 42.7	SE	170	52.2	38.3	4.5	0
5	52.6	48.9	30.086	52.5 43.0	SSW	192	56.9	43.5	0.0	0
6	43.6	43.7	30.286	43.6 45.5	SSW	34	56.7	44.2	0.1	64 fog
7	45.4	47.5	30.258	45.8 50.5	SSW	227	52.3	41.3	1.5	0
8	50.5	49.0	30.161	47.7 51.3	SW	216	52.8	44.9	1.2	0 CK
9	51.3	58.8	30.148	47.8 45.4	SSW	170	53.3	45.5	0.4	0
10	45.7	47.3	30.576	42.8 44.7	SW	111	55.3	44.5	1.4	0
11	44.8	47.2	29.828	42.2 48.8	SW	203	51.3	42.8	0.0	61 K D
12	48.8	47.1	29.749	46.2 44.3	SW	182	51.4	41.1	0.9	0
13	44.5	47.0	29.742	42.7 37.0	WN	112	52.3 ⁶⁰	44.3	--	0
14	37.2	41.5	29.551	36.7 42.7	SE	53	47.4	33.7	--	0 Snow during day.
15	46.0	45.2	29.175	42.6 41.8	SW	129	49.3	36.8	2.4	0 2
16	30.0	38.0	29.660	29.3 44	NW	78	46.0	29.7	3.5	0 K 60. short line before.
17	31.7	37.3	29.388	30.2 32.3	SE	71	35.3	26.5	4.6	0
18	32.7	36.0	28.862	30.6 36.1	SW	294	40.0	34.4	1.5	63 K Snow fell.
19	36.4	36.5	29.113	32.2 32.0	SW	209	37.0	26.5	3.2	64 C
20	32.3	36.2	29.294	32.2 28.3	SW	135	38.0	28.2	3.1	62 S
21	28.4	35.7	29.716	28.3 48.2	SW	57	38.0	27.8	4.6	0 S
22	48.7	40.8	29.064	48.3 42.6	SW	115	51.4	28.8	--	0
23	42.8	41.8	28.814	42.6 29.0	SW	112	54.2	39.8	0.1	0
24	29.3	37.6	29.310	28.5 29.2	WN	149	45.7	29.0	3.2	610 Stars very bright.
25	29.2	37.0	29.433	29.7 26.2	SW	94	57.8	27.5	6.1	610
26	26.2	34.7	29.225	26.2 33.7	SW	35	35.0	25.0	--	0
27	34.3	35.2	29.216	33.6 35.3	NW	61	36.7	25.8	--	0
28	35.4	36.0	29.288	34.7 29.2	N	73	38.3	32.8	--	0
29	29.4	35.5	29.042	31.4 32.3	WN	80	38.3	29.7	0.1	610.
30	32.3	34.7	29.654	32.1 36.1	N	58	35.8	26.0	2.4	0 Slight snow had fallen
31	35.2	35.0	30.027	34.7	SSW	124	37.5	26.8	0.1	0
	38.83	44.70	29.620				45.8 ✓	34.5 ✓	52.2	

18

10 A.M.

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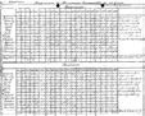
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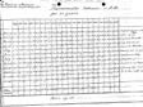
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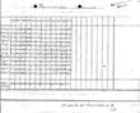
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Project Information									
Project Name					Project Number				
Project Manager					Project Status				
Project Start Date					Project End Date				
Project Budget					Project Risk				
Project Description					Project Objectives				
Project Scope					Project Deliverables				
Project Stakeholders					Project Communication				
Project Risks					Project Issues				
Project Resources					Project Performance				
Project Schedule					Project Budget				
Project Quality					Project Security				
Project Compliance					Project Sustainability				
Project Innovation					Project Impact				
Project Evaluation					Project Review				
Project Conclusion					Project Summary				

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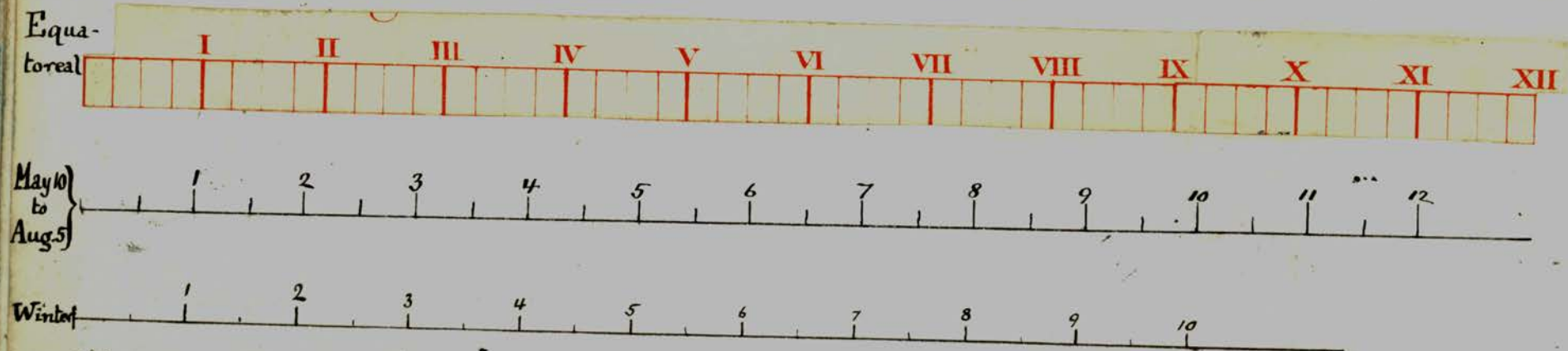
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1880	10 A.M.			Hygrom	10 P.M.		Therm.		Sunshine	Rain		
Summary	E	A	Bar	Day Wet	Bar.	Barom	Max.	Min.	Hours	Square	New	
January	38.36	39.18	30.029	37.86	39.69	29.979	55.3 on 1 st	16.8 on 22 nd		1.378	1.583	
February	40.95	42.80	29.399	41.76	43.99	29.315	34.8 " 4 th	29.1 " 11 th		2.533	2.579	
March	45.24	44.55	29.504	42.26	45.73	29.788	58.0 " 31 st	27.7 " 22 nd		1.993	2.038	
April	48.93	47.21	29.593	42.63	47.45	29.621	60.7 " 19 th	33.3 " 16 th		4.007	4.278	
May	53.33	52.08	29.910	47.19	53.28	29.911	72.2 " 20 th	35.5 " 8 th		1.044	1.073	
June	59.30	57.41	29.711	53.33	58.81	29.732	73.3 " 18 th	34.3 " 10 th		4.314	4.358	
July	60.43	59.42	29.660	54.51	60.53	29.666	78.5 " 17 th	46.7 " 31 st		5.815	6.059	
August	64.48	62.79	29.855	59.04	63.36	29.851	78.0 " 11 th	47.7 " 2 nd		1.070	1.140	
September	59.20	59.43	29.741	51.28	59.16	29.738	77.5 " 4 th	42.2 " 19 th		3.569	3.638	
October	45.62	46.68	29.781	40.57	47.06	29.769	62.3 " 7 th	26.6 " 22 nd		1.054	1.088	
November	42.49	42.92	29.604	41.20	43.44	29.607	58.2 " 13 th	23.3 " 20 th		3.159	3.235	
December	39.71	41.37	29.624	38.33	40.70	29.620	56.9 " 5 th	25.0 " 26 th		2.713	2.581	
Summer	57.06	56.30	29.782	51.49	57.12	29.778				16.868	17.356	
Winter	42.96	43.00	29.675	40.76	43.67	29.656				15.783	16.297	
Year	50.01	49.65	29.728	46.12	50.40	29.717				32.651	33.653	
Mean Temperature of Year = 48.06												
January	Days of rain 8	Mean Ther. 38.11	Mean Bar 30.004	Days of max. rain 0.522 on 16 th								
February	18	42.35	29.357	0.446 " 16 th								
March	11	43.80	29.796	0.361 " 12 th								
April	18	45.78	29.609	1.228 " 22 nd								
May	13	50.26	29.910	0.480 " 24 th								
June	15	56.31	29.737	0.570 " 25 th								
July	21	57.47	29.663	0.732 " 24 th								
August	7	61.76	29.853	0.296 " 5 th								
September	14	56.74	29.741	0.748 " 11 th								
October	8	43.09	29.776	0.361 " 28 th								
November	18	41.34	29.605	0.581 " 14 th								
December	19	39.27	29.622	0.298 " 23 rd								
Maximum Heat on Aug. 11 th = 78.0												
Minimum Heat on Jan. 22 nd = 16.8												
Mean Barometer = 29.723												
Maximum on January 21 st = 30.414												
Minimum on February 16 th = 28.286												
Day of greatest rain April 22 nd												
Square = 1.228												
New = 1.303												

477
44
86.7
472

Low Barometer 27.23 Dec. 8 1886.

Scale for Sunshine Records.



Force	Wind, Beaufort's Scale	Velocity per hour
0		3
1		8
2		13
3		18
4		23
5		28
6		34
7		40
8		48
9		56
10		65
11		75
12		90

Average Rainfall

1866-80 incl.

Jan	3.09	Yearly
Feb	2.42	Mean
Mar	1.98	31.19

Heavy Rainfall 1888 June 27
3.122 in 39 hours.

From Jan. to Sept 1882 readings were taken (with the old Newman barometer & Jones Dry & Wet Th.) at 9.30 a.m. & p.m. or practically at 10.0 Greenwich M.T. These nine months might therefore be used for connecting the long series of obs. 1833-82 with the photographic & later observations, by means of a comparison between these readings & the standard readings taken by Mr. Call at 10 G.M.T. or the curves.

Beckley's Anemometer

Correction for Friction

Up to $\frac{1}{2}$ mile	+1.5
- - 3 miles	+1.0
- - 10 -	+0.5
Above 10 -	0.0

Corrections to Thermometers

Standards belonging to photogr. Thermograph.	Dry	-0.5	Max. -0.5
	Wet	-0.5	Min. 0.0

Barometer Adie 1237
is 208 feet above Sea Level.

Index Correction to Bar. = $+0^{in} 004$
included in Corr. for Altitude

Corrections to Thermometers (since Jan. 1885)

	At 32°	At 42°	52°	62°	72°	82°	92°
Dry (B.T. 3256)	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1
Wet (B.T. 3254)	-0.1	-0.2	-0.1	-0.1	-0.1	-0.2	-0.1

This agrees with renewed comparisons with an M.O. Standard in 1887.

Corr. to Solar Therm. in vacuo.

80°	+6.0
90	6.5
100	6.5
110	6.5
120	7.0
130	7.0
140	+7.5

BAROMETER by

A. Del. 1237
London
Standard

Compared with the Standard Barometer of the
Kew Observatory.

CORRECTION (including capillary

action) =

m
+ 0.004

Note—When the sign of the Correction is +, the quantity
is to be added to the observed scale reading, and when—
to be subtracted from it.

KEW OBSERVATORY,

Del. 1867