

1856	9 A.M.				Wind		Rain			
Jan ⁵ / ₆	E	A	Bar:	Hg:	Dir:	Force	Square	Round		
1	38.	44.1	29.504	37.4	WSW	1+	0.306	0.350	0.9m.	light rain n.
2	43.9	42.	29.278	36.7	ESE	5 $\frac{1}{2}$	0.370	0.036	0. m.	rain n.
3	45.3	45.4	29.149	45.3	SE	7	0.086	0.195	b. V.	KS. C. CK.
4	46.	44.	29.255	45.1	SE	7 $\frac{1}{2}$	0.211	0.120	0. V.	K. KS. on in SE
5	46.	45.	29.224	45.5	SE	4 $\frac{1}{2}$	0.923	0.176	b. m.	K. CK. CS.
6	42.3	44.1	29.150	45.2	SE	4	0.150	0.009	0. m.	K. KS.
7	44.1	44.3	28.920	45.6	SE	6	0.176	0.012	0. m.	K. KS.
8	44.0	43.5	28.940	45.1	SE	2 $\frac{1}{4}$	0.007	0.012	0. m.	K. CK
9	34.8	40.	29.187	45.8	NE	4	0.013	—	b. V.	C. CK.
10	26.6	39.	29.411	42.8	ESE	1 $\frac{1}{2}$	—	—	b. m.	S in N. wet bulb frozen
11	27.5	33.9	29.815	42.2	WbN	1	frozen	frozen	b. m.	K. in N. do
12	28.	32.2	30.395	42.1	W. STY	1	do	do	b. V.	K. CK. HS. S do
13	27.3	31.8	30.444	42.2	SWbS	3	do	do	b. V.	CS. C. S. do
14	23.5	30.2	30.112	42.3	N	0	do	do	b. m.	HS do
15	38.2	35.1	29.475	42.4	SEbS	5	0.016	0.024	b. V.	K. C. CK HS. Rain-gauges partly frozen
16	36.	36.1	29.630	42.5	SSW	2 $\frac{1}{2}$	0.022	0.084	b. V.	C. CK. CS.
17	42.	39.	29.122	42.6	SE	4	0.042	0.145	0. V.	K.
18	39.	39.4	29.180	42.7	N. STY	1	0.125	0.067	0. V. m	KS
19	45.	41.	28.930	42.8	SE	3	0.166	0.255	0. m.	KS.
20	41.3	41.	28.840	42.9	NE	0	0.052	0.123	0. m.	KS.
21	34.7	38.3	29.052	43.0	NSE	5	0.113	—	b. V.	S in S horizon
22	34.1	37.3	29.220	43.1	ESE	2 $\frac{1}{2}$	0.137	—	b. V.	K. CK.
23	42.7	40.6	28.777	43.2	SSW	6	0.061	0.197	b. V.	K. CK.
24	40.6	42.7	28.447	43.3	SWbS	4	0.110	0.271	b. m.	CK.
25	37.8	42.5	28.780	43.4	STY	6	0.223	0.069	b. V. 7.	K. CK
26	40.	40.8	29.151	43.5	STY	2	0.120	0.050	0. V.	KS.
27	35.1	39.1	29.588	43.6	SW	3	0.233	0.019	b. V.	KS. n. (snow at 9 ^h 20 ^m)
28	36.	39.1	29.492	43.7	WSW	4	0.038	0.028	b. V.	CK. K. wet bulb frozen
29	27.5	34.5	29.605	43.8	SW	4 $\frac{1}{2}$	0.068	—	b. V.	K. do
30	27.3	33.3	29.755	43.9	SW	2	0.035	—	b. m.	K. do
31	29.5	34	30.012	44.0	SW	2	—	—	b. V. h. K	
mean	36.79	39.37	29.352				11.950	2.262		
							2.301			

1856	9 PM			Hyz.	Wind		max	min		
Jan 5	E	A	Bar.		Dir	Force	'T'	'T'		
1	38.2	42,	29.481	37.93	SWWS	1 1/2	46.9	36.5	o. g.	
2	44.4	44.1	29.168	45.13	ES	5+	47.	36,	o. g. d.	n. K.
3	44.	44.6	29.246	43.43	SE	4 1/2	47.8	43.4	b. y.	K.
4	45.4	44.5	29.250	45.13	SE	3+	46.6	42.4	o. g.	K.
5	43.	45.3	29.226	43.63	ENE	2 1/2	47.9	41.8	o. g.	K. (at 9.20 ^m)
6	45.2	44.6	29.030	44.93	NEN	4	45.5	41.1	o. m.	K. KS.
7	42.5	44.1	29.893	42.23	NNE	2	45.7	42.	o. m.	K.
8	37.6	41.6	29.073	37.23	NENE	3	43.2	35.4	o. m. y.	K.
9	30.1	38.2	29.288	29.13	NNE	2	38.2	30.	b. y.	met bulb frozen
10	29.3	29,	29.620	28.33	NWbW	1	36.	26.4	b. y.	Do
11	27.8	35.5	30.122	27.53	NbW	2	35.8	26.	b. y.	Do
12	28.3	31.9	30.468	27.33	SWWS	2 1/4	34.2	24.	b. y.	Do
13	27.7	33.7	30.353	26.33	SW	2	35.	24.9	b. y.	Do
14	32.3	33.5	29.721	31.43	E	2	37.	20.	b. m.	Do (at 9.20 ^m)
15	37.8	37.	29.578	30.43	SWWS	5 1/2	41.5	29.5	b. y.	K.
16	42.2	38.	29.358	42.13	SE	4	44.4	34.	o. y.	KS.
17	41.2	39.5	29.980	41.63	SW	1 1/2	46.5	39.5	o. fog.	
18	42.4	40.	29.090	42.33	ENbN	6	43.2	38.3	o. rain	n.
19	42.3	41,	28.794	42.53	NE	1	45.5	41.7	fog.	
20	39.1	40.9	28.911	38.53	NNE	4	42.5	38.7	o. y. m	KS.
21	35.	38,3	29.151	37.53	NENbN	5	40.	33.4	b. y.	K.
22	39.	39.	28.941	38.63	ENE	5	39.	31.8	o. y. g.	K.
23	42.9	43,	28.660	42.23	S	6	47.	38.	o. y. g.	cs. s. (at 11 PM. Bar = 28.620)
24	41.	42.6	28.489	40.33	SW	3 1/2	46.	40.	b. y.	cs. e. s. at 9.15 ^m
25	37.6	41.9	29.098	37.13	SW	4	46.	37.1	b. y.	e. cs.
26	37.2	41.7	29.300	36.33	SW	3	43.9	37.	b. y.	S.
27	38.6	41.1	29.561	38.13	SW	5	43.	33.6	b. y.	S.
28	31.4	38.1	29.595	30.33	WNW	2 1/2	39.3	30.4	o. g.	n. snow falling.
29	31.1	36.1	29.603	30.13	WbS	1 1/2	35.5	25.9	o. y.	KS. S. snow on ground.
30	29.9	36.9	29.931	29.93	SWbW	2	36.	24,	b. h.	
31	34.	36.1	30.050	33.53	SW	3	37.	27.6	o. g.	K. KS
mean	37.40	39.47	29.388				41.74	33.58		

1856		9 th AM			Wind		Rain			
Feb		E	A	Bar:	Hyg	Dir	Force	Square	Round	
2	1	29.5	34.2	29.987	28.73	SW	3	frozen	frozen	b. h. wet bulb frozen
	2	27.	33.2	29.773	28.67	N. NW	0	80	80	b. h. 80
3	3	34.7	35.7	29.735	34.13	SS E	5	80	80	b. h. 80
	4	40.5	38.7	29.632	40.23	S	3	0.095	0.125	0. m. K.S.
	5	37.6	38.7	29.752	37.23	SSW	3	0.006	0.009	b. v. S.
	6	42.3	41.	29.291	42.13	Sb E	4 1/2	0.014	0.185	0. m. rain. n.
	7	45.1	43.5	29.250	44.43	SEbS	3	0.095	0.326	0. d. n. K.S.
	8	47.	44.	29.466	46.83	S	6	0.150	0.087	0. m. q. K.S. Bar. rising
	9	51.	48.	29.400	50.63	S 1/2 W	8+	0.038	0.100	0. v. q. K. K.S. Dr
10	10	40.5	43.7	29.730	48.73	SW	1+	0.050	0.182	fog.
	11	41.3	43.3	29.588	49.73	E	2	0.055	0.001	0. m. K.S.
	12	48.2	45.2	29.190	48.13	SS E	4	0.007	0.150	0. m. K.S.
	13	36.5	42.5	29.415	47.93	WSW	1	0.025	0.107	b. Y. C. S. CS.
	14	44.7	44.1	29.118	47.63	SbW	8	0.112	0.672	b. Y. q. K. K.S.
	15	45.3	44.8	29.298	47.63	S	4	0.192	0.015	b. v. K.S. S. CS. C
	16	46.6	45.6	29.507	47.83	SS E	4	0.009	0.142	b. v. K.S. S.
17	17	43.4	44.	29.601	47.13	ESE	4	0.140	0.001	b. v. C. CH. K.
	18	36.6	42.4	29.691	45.13	E	3	0.153	0.006	0. Y. K.
	19	35.	38.3	29.802	41.73	NobX	5	0.001	—	b. Y. CH. K. n. a little snow falling
	20	34.	37.5	29.980	32.23	Nb E	3	—	—	b. v. CH. K. wet bulb frozen
	21	36.1	37.5	30.096	32.23	NbW	2	—	—	b. v. CH. K. n. wet bulb frozen
	22	39.6	38.4	29.980	35.93	WbX	2	—	—	b. v. CH. K. K.S.
	23	42.9	39.7	29.987	39.43	WNW	2 1/2	0.002	0.009	0. d. K.S. S. n.
24	24	42.8	41.	30.180	38.53	W	3	0.010	0.012	b. Y. K. CH. CS. C.
	25	44.5	42.1	30.141	42.13	SW	7	0.012	—	0. v. K. K.S.
	26	49.	45.1	30.143	40.93	SWbW	7	—	—	0. v. K. K.S.
	27	45.7	45.	30.283	44.33	SW	4	0.026	0.100	0. v. m. K.
	28	46.6	44.4	30.303	48.23	SSW	2 1/2	0.002	0.029	0. Y. K. K.S.
	29	46.4	45.4	29.377	46.23	SW	4	—	—	0. m. S. K.S.
					46.13			—	—	0. m. K.S.
Mean		41.39	41.62	29.817				0.9987	2.271	
								1.6225		

1856	9 th Pm			Hyg ²	Wind		May	Min		
Feb 4	E	A	Bar:	Hyg ²	Dir	Force	T	T		
1	32.	36.1	29.840	31.2	SW	3½	36.	28.4	b ₁₀ . V.	
2	35.	36.3	29.743	30.1	SEbS	2½	37.8	25.3	o. V.	K.
3	38.7	38.1	29.694	32.1	SEbS	4½	39.	33.4	o. S.	K.
4	37.1	39.1	29.688	32.2	SW	4	42.9	36.6	o. V.	S.
5	47.4	44.1	29.228	36.6	S	11	48.5	35.	o. S. 77.	rain. n: Bar: heaving
6	47.5	45.	29.773	47.2	SWbS	12+	52.2	38.7	b ₈ . V. 777-	Do — dried fully
7	45.3	45.	29.444	42.5	SW	8	53.6	42.6	b ₁₀ . V.	
8	50.8	47.7	29.490	42.3	SW	5+	53.6	42.4	o. S. 9.	K.
9	41.8	45.8	29.592	50.7	SW	3	52.3	41.5	b ₁₀ . V.	
10	40.	43.7	29.672	41.1	SEbE	2	51.1	39.2	o. S.	K.
11	46.	44.8	29.470	40.9	SEbE	5	51.	39.	o. V.	K. KS.
12	43.2	46.	29.309	45.6	SWbS	4½	52.2	42.4	b ₁₀ . V.	
13	45.	44.6	29.040	42.6	SE	7	50.6	36.4	o. V. d.	KS. n.
14	45.8	45.2	29.213	41.4	S	6	50.6	42.	b ₁₀ . W. 9.	K.
15	46.	46.4	29.422	43.9	SEbE	4	52.5	43.5	o. V.	K. KS
16	45.3	44.2	29.600	46.4	SE	4	51.6	44.8	b ₃ . V.	K. CK. CS.
17	41.5	46.	29.637	45.	SE	3	51.3	40.	o. VV.	K.
18	34.5	41.	29.728	41.2	SEbN	4½	42.2	33.5	o. V.	KS.
19	35.2	38.1	29.924	39.1	SEbN	4	42.	33.	o. V.	KS. wet bulb frozen
20	34.6	38.4	30.016	34.6	N	4	38.	32.9	b ₁₀ . V.	K. wet bulb frozen (at 10.5 m)
21	34.4	38.4	30.094	32.1	SEbE	1	40	32.	b ₁₀ . V.	K. Do —
22	41.	40.2	29.951	31.1	SWbW	3	46.	32.7	o. V.	K.
23	37.7	42.1	30.136	40.0	SW	1	48.7	37.6	b ₁₀ . V.	K. CK.
24	42.1	42.2	30.215	37.3	SW	2½	46.	37.5	o. S.	K.
25	47.1	45.6	30.106	41.9	SW	6	48.6	41.2	o. S. d.	K.
26	47.	45.4	30.211	40.4	WSW	1½	52.	46.4	o. V.	K
27	45.	45.	30.295	47.3	SW	2½	50.	44.4	o. S.	K
28	47.	45.8	30.368	45.7	SW	1½	51.8	46.	o. S.	K.
29	45.2	46.	30.445	46.9	SEbS	1	55.1	44.8	o. S.	KS.
				44.2						
mean	42.0L	42.97	29.722				47.41	38.03		

1856	9 AM			Wind			Rain		mean Dew point = 35° 3	
March	E	A	Bar	Hyg	Dir	Force	Square	Round	mean humidity = 0.827	
1	46.2	45.	30.510	45.7	SEbS	0	—	—	b. V.	K. KC. KS
2	43.	43.5	30.521	42.5	E. NE	2	—	—	o. Y.	KS.
3	43.7	43.7	30.523	43.5	E. NE	2+	—	—	o. V.	K. KS.
4	40.5	43.1	30.456	40.1	E. NE	0	—	—	o. Y.	KS.
5	40.5	41.3	30.243	38.2	W	2	—	—	o. Y.	KS.
6	44.	43.	30.117	43.8	N	2+	—	—	b. Y.	K.
7	40.5	42.	30.240	40.3	NE	2+	—	—	o. Y.	K. KS. (at 9.10 ^m)
8	37.3	41.	30.234	37.7	SWbW	2½	—	—	b. mm.	
9	41.	43.2	30.111	39.5	W. NW	2	0.016	0.008	o. Y.	KS.
10	44.1	44.4	30.000	42.7	Wb. Y	0	0.009	0.009	o. Y.	KS. K. CK
11	36.1	40.1	29.891	35.1	NWbW	1	0.015	—	b. m.	CK.
12	38.3	41.4	29.888	33.5	EbN	4	drops	—	b. V.	CK.
13	36.	41.	29.915	35.5	EbS	7	—	—	o. Y.	K.
14	38.5	39.	30.133	31.	EbS	6½	—	—	b. V. 9	K
15	37.	40.	30.013	33.5	EbS	6	—	—	o. VV.	K. Bar heavy
16	42.	40.4	29.660	32.6	EbS	6	—	—	o. V.	K.
17	45.4	42.4	29.623	45.4	ES E	2	0.348	0.410	o. m.	KS.
18	42.	43.3	29.718	41.2	E. NE	4½	0.488	0.059	o. m.	n. rain
19	41.5	43.1	29.679	41.3	E. NE	2	0.058	0.247	o. m.	KS.
20	47.2	44.	29.909	41.	W	1+	0.237	0.012	b. V	K. CK.
21	44.	44.	29.837	42.7	W. NW	1	0.222	0.001	o. m. Y.	KS. 5
22	39.8	41.	29.959	39.1	NW	1	0.009	0.002	b. m.	
23	42.	41.	30.057	41.	E	5	0.001	0.004	b. Y.	CK. K
24	40.	41.9	29.980	39.5	EbN	4	0.002	—	b. Y.	K.
25	37.5	41.1	29.761	36.8	E. NE	4	0.008	—	o. V.	KS.
26	41.	41.5	29.726	36.4	E	6	—	—	o. Y. 9	K.
27	38.2	39.6	29.857	37.3	Eb. Y	6	—	—	b. V.	K. CK
28	40.1	40.	29.830	35.1	NEbE	4	—	—	b. Y.	K. CK
29	42.5	41.5	30.036	39.4	SEbE	4	—	—	o. VV.	K
30	41.4	39.8	30.000	36.8	S	4½	—	—	b. V	
31	43.5	41.7	29.732	40.6	SbE	7	—	—	b. Y.	K. CK
mean	41.17	41.87	30.005	40.7			0.650	0.752		
				38.4			0.827			

1856				Wind		Max	Min.	Mean Dewpoint = 35.1	
March	E	A	Bar:	Hyg.	Dir	Force	Temp	Hum.	Mean humidity = 0.942
1	39.8	46.4	39.526	39.8	SENE	1½	49.3	40.0	b ₁₀ V.
2	42.	44.7	30.533	41.5	EbS	2	49.2	36.3	o. g. K. KS.
3	41.2	44.1	30.505	40.7	ESE	1½	44.9	40.2	o. Y. K.
4	36.	42.5	30.350	35.3	NNE	1	44.	35.7	b. Y. K. KS.
5	42.5	42.8	30.131	42.2	NW	0	44.1	36.0	o. g. K.
6	40.	45.	30.116	39.1	E	1	50.	39.5	b ₁₀ Y.
7	38.1	45.	30.259	37.6	NbE	1	49.8	37.5	b ₁₀ V.
8	41.5	41.8	30.183	37.2	NNE	3	49.	31.5	o. g.
9	44.	45.6	30.007	43.6	WAW	1	50.4	38.1	o. Y. K.
10	38.	44.	29.980	37.4	NbE	1½	49.6	38.	b ₅ Y. K. C. CK.
11	39.	43.4	29.852	38.5	N	1½	45.5	34.9	o. Y. K.
12	37.5	42.4	29.892	37.2	E	3	42.7	34.2	o. Y. K.
13	34.6	40.	30.012	33.9	E	3	39.5	31.5	b. V.
14	37.2	41.	30.037	36.7	EbN	7	43.5	31.4	b ₁₀ V.
15	37.5	40.	29.844	37.4	EbS	8	39.7	35.5	o. V.
16	43.3	42.1	29.576	42.2	SEbE	8+	44.4	36.6	o. V. light rain n. KS.
17	44.	44.2	29.702	43.9	EbS	4½	51.3	42.5	o. Y. KS.
18	43.	43.3	29.666	42.7	NbE	3	41.5	41.1	o. d. n.
19	44.7	44.1	29.808	44.4	WbN	1½	48.5	41.	o. Y. K.
20	44.2	45.5	29.888	43.6	NWbN	2	53.6	41.5	b. V. K. K. C.
21	38.2	44.9	29.868	37.5	N	0	48.	38.8	b ₁₀ m.
22	38.	45.4	30.023	37.4	SE	1	50.	32.4	b ₁₀ V.
23	39.	44.	30.031	38.	EbN	2½	45.9	29.9	b ₁₀ V.
24	35.7	42.5	29.832	35.2	NEbN	2	43.	33	b ₁₀ m.
25	40.5	42.5	29.704	40.3	NbE	4	43.	34.5	o. V. K. KS. { at 3 PM a bright halo
26	37.5	42.	29.816	36.7	EbN	3½	43.5	36.5	b ₁₀ V.
27	35.	43.7	29.843	33.7	SE	2	48.5	30.5	b ₁₀ m. faint aurora NW
28	38.2	43.5	29.915	37.6	E½N	2½	46.1	28.8	b ₁₀ V. KS.
29	34.2	44.1	30.060	33.5	S	0	46.7	34.1	b ₁₀ V.
30	41.5	45.1	29.907	41.1	SbE	5	49.	28.5	b ₁₀ V. K. KS.
31	44.6	45.8	29.660	44.5	SbE	5+	53.9	35.4	o. Y. d. n. K
Mean	39.68	43.69	29.985	39.2			46.7	35.6	

1856	Term Observations			Height	Wind		Rain				
Month	E.	A.	Bar.		Dir	Force	Amount	Amount			
21 st 6 am	40.5	42	29.840	40.3 } 39.8 }	WNW	0 0	0	0.001	0	KS	m
7 am	41.1	43.2	.841	41.7 } 40.3 }	WNW	2 12	0	2 drops	6	KS	m
8 am	41.2	43.9	.843	41.6 } 40.9 }	WNW	2 50	—	—	0	KS	m
9 am	44.	44.	.837	43.7 } 42.7 }	WNW	5 50	—	—	0	m. Y.	KS. S
10 am	44.8	44.1	.838	44.5 } 42.8 }	WNW	3 66	—	—	0	Y.	KS. A. S
11 am	45.1	44.8	.838	45.5 } 40.5 }	WNW	3 25	—	—	0	Y.	KS. K
noon	47.1	45	.833	47.2 } 41.3 }	NNW	6 64	—	—	0	V.	K. S; K
1 pm	46.5	45.3	.829	46.8 } 41.3 }	NNW	8 3 40	—	—	0	V.	KS. K
2 pm	47.	45.7	.827	47.1 } 41.1 }	NbW	171	—	—	0	V.	K. KS.
3 pm	46.7	45.6	.829	46.6 } 40.6 }	NbW	164	—	—	0	V.	KS. S
4 pm	46.1	45.9	.830	46.3 } 40.6 }	NbW	271	—	—	0	V.	KS.
5 pm	46.	45.9	.833	45.7 } 40.9 }	N	150	—	—	0	V.	K. KS.
6 pm	44.	45.5	.843	44.6 } 39.9 }	N	243	—	—	b	Y.	K. KS.
7 pm	41.5	45.2	.851	41.2 } 38.6 }	N	654	—	—	b	Y.	K. CK
8 pm	40.	45.	.854	39.7 } 37.3 }	N	260	—	—	b	Y.	
9 pm	38.2	44.9	.868	37.5 } 36.3 }	N	0	—	—	b	Y.	
10 pm	36.7	44.5	.870	35.8 } 34.7 }	WNW	271	—	—	b	Y.	
11 pm	36.1	44.	.881	35.2 } 34.2 }	WNW	304	—	—	b	Y.	KS. in horizon
midnight	35.	43.4	.890	34.2 } 33.3 }	WNW	235	—	—	b	Y.	CK
22 nd 1 am	35.	43.	.891	34.1 } 32.9 }	WNW	0	—	—	b	Y.	
2 am	34.	42.3	.890	32.9 } 32.2 }	WNW	248	—	—	b	Y.	
3 am	34.	42.	.892	34.4 } 32.4 }	WNW	334	—	—	b	Y.	
4 am	33.3	41.7	.900	32.4 } 32.2 }	WNW	329	—	—	b	Y.	
5 am	33.	41.	.903	31.5 } 31.3 }	WNW	0	—	—	b	Y.	KS. in SE
6 am	33.2	41.	.915	32.3 } 32.2 }	WNW	0	—	—	b	Y.	

1856	9 AM			Wind	Rain		Mean Dewpoint = 39.8	
Month	L	A	Bar:	Dir	Force	Square	Round	Mean humidity = 0.772
1	47.7	44.6	29.563	SEbE	7½	0.0013	0.002	b, Y. K. CK
2	49.	47.7	29.303	SEbE	8	0.0153	0.029	o. m. rain n.
3	50.6	47.1	29.281	SbE	5	0.0153	0.030	b, Y. q. K. CK.
4	47.6	46.	29.313	SEbS	4	0.0083	0.010	b, Y. q. K. CK.
5	46.3	46.	29.035	SbW	4½	0.0153	0.239	o. Y. K.
6	44.4	43.3	29.070	NNE	3	0.0103	0.092	o. Y. K.
7	47.	43.6	29.176	S	5	0.0013	0.002	b, Y. K. CK. S
8	45.4	45.6	29.000	W	3	0.0043	0.184	o. YV. K.
9	44.	44.	29.023	SSW	2	0.0013	0.001	b, Y. h. CK. CS.
10	46.3	44.3	28.936	E	2½	0.0013	0.001	b, Y. K. CK. CS.
11	53.	47.1	29.205	SbE	5	0.0033	0.098	b, Y. K. CK. CS.
12	49.4	47.	29.158	S	3	0.0553	0.180	b, Y. K.
13	46.4	48.5	29.400	NbE	2½	0.1713	0.029	o. m. d. K. S. n.
14	46.4	47.	29.813	NbW	3½	0.0413	0.144	o. Y. K.
15	43.6	46.5	30.1143	NbW	5	0.1373	—	b, Y. K. CK.
16	44.	44.1	30.210	NbW	3	—	—	o. Y. K.
17	40.5	45.	30.163	NbW	3	—	—	o. Y. K.
18	50.7	46.3	30.087	NbW	2½	—	—	b, YV. K.
19	47.	47.1	30.095	N	2	—	—	b, Y. K.
20	44.1	47.4	30.178	NW	2	—	—	b, YV. K.
21	49.6	48.1	30.135	NbW	2	—	—	o. Y. K. K. S.
22	48.	48.	29.846	SbW	2½	—	—	o. Y. K. K. S. S
23	52.3	48.2	29.700	S	5	—	—	b, Y. K. CK.
24	51.7	48.	29.680	E	5½	—	—	o. Y. K. S.
25	50.5	49.	29.535	E	1½	—	—	b, h. K.
26	52.5	49.1	29.287	NbE	3	—	—	b, h. S.
27	44.	46.	29.622	NbE	5	—	—	b, YV. K.
28	47.	45.4	29.478	NbW	4	0.0103	0.008	b, YV. K. strongly marked & sky very h.
29	44.7	46.	29.553	N	3	0.0153	—	o. YV. K. K. S.
30	46.	46.	29.591	NbE	4½	—	—	b, YV. K.
mean	47.46	46.20	29.549			0.825 1.056	1.046	

1836	9 PM.				Wind		Man	Min	Mean Dewpoint = 38°.8	
April	E	A	Bar	1141	Dir	Force	T	T	Mean humidity = 0.829	
1	47.	46.4	29.427	47.1	SE	7	51.7	42.1	0.9. q. r	
2	47.6	48.2	29.275	47.63	S	5 $\frac{1}{2}$	53.3	46.4	0. V. K.	
3	45.5	50.	29.226	45.53	SWbS	3	58.	44.4	0. S. K.	
4	43.	46.5	29.271	43.53	SE	8	50.1	38.8	0. S. q. rain n	frequent & heavy hail showers throughout the day
5	40.3	46.	28.951	40.33	SWbS	2	47.8	41.	6 $\frac{10}{10}$ VV.	
6	41.6	47.4	29.235	41.63	NbW	0	52.2	35.5	6 $\frac{10}{10}$ V.	
7	44.	46.6	29.011	44.73	SE	7	52.	36.	0. m. d. q. K. n.	
8	43.2	47.	29.023	43.23	NbE	0	51.4	41.6	0. V. KS	
9	43.4	47.1	28.990	43.43	SE	3	51.7	35.8	6 $\frac{10}{10}$ V. CS. halo round D	
10	45.6	47.3	29.131	45.63	SWbS	4	53.	34.7	6 $\frac{10}{10}$ V. K. CK.	
11	48.1	48.9	29.163	48.13	SbW	3	55	42.5	6 $\frac{10}{10}$ VV. K. n. {heavy rain soon after the registers	
12	47.	58.4	29.242	47.23	SSW	1	58.4	41.2	6 $\frac{10}{10}$ VV. K. CK.	
13	47.3	49.4	29.619	47.33	NbW	4	52.3	45.	0. m. rain n.	
14	45.7	49.1	29.978	45.73	NbE	3	52.2	41.4	0. V. K. KS. (at 9 ^h 15 ^m)	
15	41.2	48.5	30.141	41.23	NbW	2 $\frac{1}{2}$	50.7	48.4	6 $\frac{10}{10}$ V. CS.	
16	40.	47.6	30.171	40.33	NbW	2	49.6	34.1	6 $\frac{10}{10}$ h. halo round D	
17	40.6	47.	30.135	40.63	NbE	1	47.5	38.	6 $\frac{10}{10}$ V. K. CK. (at 9 ^h 16 ^m)	
18	45.1	48.4	30.017	45.13	NW	2	56.	39.6	0 $\frac{10}{10}$ V. H. KS. S	
19	42.5	49.5	30.167	42.53	N	0	56.6	42.4	6 $\frac{10}{10}$ VV. S. CS.	
20	47.9	49.2	30.168	47.93	NbW	0	53.4	49.	0. VV. K. KS.	
21	48.	49.9	29.999	48.33	W	0	54.9	45.4	0. S. K.	
22	47.7	48.7	29.734	47.73	SbE	4	53.9	45.	0. S. KS. K.	
23	47.2	50.	29.704	47.23	SS E	5	56.8	42.	6 $\frac{10}{10}$ V. q. K. CK	
24	47.4	51.	29.632	47.43	SEbE	2	57.6	42.1	6 $\frac{10}{10}$ V. S.	
25	47.1	52.5	29.377	47.13	SE	2	59.8	42.1	6 $\frac{10}{10}$ h. S.	
26	44.1	49.6	29.411	44.13	NE	6	55.5	41.5	0. V. q. KS. S {Hys = $\frac{43.99}{39.33}$	
27	41.3	48.4	29.551	41.33	NbW	1	50.	37.	6 $\frac{10}{10}$ VV. H. in Whorizon	
28	42.	46.2	29.500	42.33	NbW	1	53.7	35.4	6 $\frac{10}{10}$ VV.	
29	43.4	47.8	29.565	43.43	NbW	1 $\frac{3}{4}$	49.5	38.1	6 $\frac{10}{10}$ VV. K. HS. S.	
30	43.3	48.1	29.530	43.33	ENE	5	50.5	38.	0. V. K. KS.	
31				39.5						
Mean	44.60	48.69	29.545	44.26 41.83			53.01	40.58		

1856	9. A.M.				Wind		Rain		Mean Dewpoint = 42.63	
May	E	N	Bar	Therm	Dir	Force	Square	Round	Mean Humidity = 0.742	
1	44.	46.	29.590	44.4	NEbE	4	0.002	0.008	0. VV.	K. n.
2	48.2	45.6	29.905	48.4	NbE	1 1/2	0.009	0.006	1/2 V.	K. CK.
3	47.5	45.1	30.079	47.7	N	2 1/2	—	—	1/2 V.	K. CK. C
4	47.8	46.2	30.045	47.7	EbS	2	—	—	0. V.	K.
5	46.	46.3	29.927	45.6	E	3	—	—	1/2 V.	K. CK. C.
6	46.3	46.7	29.610	46.4	ESbE	5	—	—	0. V. g.	K
7	43.	45.1	29.603	43.2	NEbN	4+	—	—	1/2 V. g.	K.
8	44.4	44.1	30.051	43.4	NbW	1 1/2	—	—	1/2 V.	K. CK.
9	53.4	47.	30.115	53.4	SEbE	3	—	—	1/2 V.	K. (at 9 th 12 ^m)
10	57.	51.	29.943	57.1	S 1/2 E	4	—	—	1/2 V.	Ks. S. CS.
11	52	51.	29.804	52.4	NNE	2	0.006	0.003	0. V. KS.	uniformly covered
12	50.7	52.	29.685	50.7	N	2	0.360	0.360	0. V. & KS	
13	49.7	51.2	29.543	49.7	N	1	0.350	0.330	0. V. h. r.	
14	49.3	49.3	29.325	49.3	NW	1	0.090	0.089	0. V. h. r.	The Hyg dry bulb is wet
15	50	50	29.321	50.2	NNE	1	0.130	0.129	0. V. KS.	N in NW
16	52.5	50.5	29.353	52.2	WNW	2	0.084	0.083	1/2 V. KS	
17	44.1	50	29.165	44.1	WbN	3	0.305	0.310	0. V. m. r.	I had forgotten the low range thermometer
18	46.5	47	29.040	46.5	NbE	3	0.295	0.340	0. V. CS. KS	
19	51.	48.2	29.600	50.9	NWbW	3	0.050	0.055	1/2 V. KS. K	
20	54.9	49	29.824	54.9	W	1/2	trace	0.000	1/2 V. h. K. CS.	
21	56	52.	29.677	56	E	2 1/2	—	—	1/2 V. IL	
22	56	51.5	29.454	55.7	S 1/2 bW	2 1/2	0.402	0.470	1/2 V. IL. C. S.	
23	51.5	52.	29.320	51.5	NE	3	0.470	—	1/2 V. IL	
24	50	52	29.350	50.2	NNE	2	0.129	0.145	0. V. h. KS	
25	51.9	52	29.444	51.9	NNE	1	0.135	—	0. V. h. KS. N in ESE	
26	56.8	54.2	29.529	56.8	SSW	3	0.046	0.050	0. V. m. r. g. KS. N in SSW	
27	56.3	54.1	29.496	56.3	SWbW	2	0.440	0.395	0. V. h. KS	
28	52.9	54.5	29.503	52.9	NEbN	1	0.181	0.175	0. V. KS	
29	56.7	56	29.872	56.7	NW	1	0.034	0.030	1/2 V. h. K	
30	57	55	29.991	57.8	SE	6	trace	Trace	1/2 V. h. KC	
31	53.9	54.2	29.853	53.9	SEbS	4	—	—	0. V. K. CK. CS	
mean	50.95	50.06	29.636	51.31		Sum	2.943	3.011		
				47.14		3.227	3.219			
				diff = 4.17			3.253			

1856	9 PM			Hyg.	Wind.	Max:	Min:	Mean Dewpoint = 42.08	
May	E	A	Bar.	Hyg.	Dir:	Force	T	T	Mean Humidity = 0.838
1	39.	47.3	29.795	37.73	E NE	1 1/2	48.7	39.6	b ₉ v. s.
2	40.7	48.7	30.023	40.3	NbE	1	52.6	38.4	b ₉ v. cs. ks.
3	42.	49.4	30.098	41.21	NbE	0	54.7	25.	b ₁₀ v.
4	40.4	45.1	29.961	40.1	E	3	51.8	36.1	b ₉ v. s.
5	40.	48.7	29.815	39.4	E	3	52.	36.	b ₉ v. cs.
6	44.4	47.8	29.481	44.3	E NE	5	47.8	37.	o. v. q. s. cs. ks.
7	40.	46.5	29.840	39.6	NbW	2	48.5	36.	b ₁₀ v.
8	45.6	49.1	30.151	45.3	NNE	2	56.6	35.6	b ₁₁ v. s. cs.
9	50.1	52.5	30.023	50.1	SbE	4	61.5	38.	o. v. ks. k.
10	53.2	55.8	29.845	53.2	SWbS	3	56.2	45	o. v. ks
11	48.1	53	29.766	47.5	N	1	54.6	48	o. v. d. ks.
12	48.8	52	29.611	47.9	NW	1/2	52.2	47.5	o. v. r
13	46.	50.6	29.390	44.9	NWbN	0	51.5	44.8	o. v. d
14	48.	50.2	29.300	47.2	NbW	1	52.2	43.5	b ₉ v. ks
15	48.5	51.	29.342	48.2	NWbN	1 1/2	56	47	o. v. ks
16	47	53	29.381	46.6	W 1/2 N	0	56.5	46.8	b ₁₅ v. k. ks - W
17	43.5	49.5	29.250	43.2	SW	3 1/2	52.5	43	o. v. ks. cs
18	46	49.8	29.253	43.2	WbN	4	54	38.5	b ₁₅ v. ks cs
19	48.7	51.1	29.795	48.7	NW	0	61.2	43.5	b ₁₂ v. k. ks
20	53.1	53.2	29.785	53.1	SSE	6	61.6	42.5	b ₁₂ v. s. f
21	52.7	53.	29.451	52.6	SEbE	9 1/2	58.	48.5	heavy rain.
22	50.5	54.4	29.391	50.6	SE	3	62.1	48.2	b ₁₄ v. ck. k. cs. s. { no sound Hygie day - after setting at 151.3 49.8 E - 51.1
23	49.1	53.8	29.307	49.7	NbE	5	57.	45.4	o. v
24	51.6	53.8	29.387	51.7	E	4	56.7	45.8	b ₁₄ v. s. k.
25	53.	55.	29.514	53.1	SSE	1	63.2	45.5	o. v. h. ks { Intense lightning & thunder distant but could not see it at 6 PM distant 1/2 hr. in day
26	52.	55.2	29.519	51	SEbS	3	62	51	b ₁₄ v. ks. cs
27	52.3	56.1	29.435	52.5	SE	1	63.5	49.	o. v. ks
28	52.1	57.	29.681	51.7	NEbN	0	63	49	b ₁₄ h. ks. k
29	52.5	56.5	29.990	52.5	EbS	2	62.5	48.5	o. v. ks
30	50.9	56.	29.952	50.6	SE	4	63.2	49.5	b ₁₀ v. q
31	48.5	52.6	29.751	48.1	E 1/2 S	1	54.6	41.	o. v. h. ks uniform over sky
mean	47.68	51.86	29.654	47.20			56.37	43.23	

1856	9 AM			Wind			Rain		mean dew point = 49.62
Jun	E	A	Bar	Hyg	Dir	Force	Squn	Row	mean Humidity = 0.798
0 1	49	53.5	29.664	51.73	NNE	2	0.028	0.028	0. v. h. KS
2	51.5	52.9	29.605	51.33	WNW	1	0.230	0.234	0. v. h. d. KS
3	55.5	54.2	29.719	52.53	SWBS	4	0.010	0.015	0. v. h. d. q. KS
4	56.5	54.	29.870	56.63	W	2	0.053	0.057	6 v. H. S
5	56.5	53.	30.134	53.53	NW6W	1 1/2	0.065	---	6 v. H.
6	56.2	53.	30.150	56.33	NW6WK	0	---	---	6 v. H. x vane pointing in that dir
7	56.4	55.5	29.935	56.43	SW6S	4	0.031	0.040	0. v. q. KS.
0 8	55	55.9	29.950	52.83	SSW	2	0.050	0.122	0. v. KS
9	59.2	56	29.870	52.73	SW	2	trace	trace	6 v. K. KS
10	59	55.5	29.858	58.73	SW6W	6	0.052	0.002	6 v. h. KS
11	59.6	56.0	29.682	52.43	SSW	9	---	0.002	0 v. h. q. K. KS
12	57	56.2	29.384	56.63	S	3	0.232	0.232	0 v.
13	56.2	53.0	29.621	56.73	NW6W	1	0.093	0.094	6 v. KS. K
14	50.0	54.3	29.372	48.53	NNW	3	0.027	0.023	0 v. N KS S
0 15	55	52.4	29.778	54.23	W.S.W	3	0.302	0.279	4 v. KS. K
16	55.9	55.2	29.749	56.23	SW	4	0.013	0.015	0. v. q. KS
17	54.2	53.9	29.624	54.03	WNW	4	0.007	0.162	6 v. q. v. K. KS
18	54.2	54.5	29.711	54.23	WSW	2	---	---	0. v. KS. K
19	54.1	54.3	29.300	50.63	NW6W	2	0.320	0.316	0. v. K.
20	53.2	53.1	29.643	52.63	NW6W	2	0.112	0.130	6 v. K
21	53.3	53.5	29.658	53.23	S 1/2 W	4	0.012	0.018	0. m. d. KS.
22	57.2	56.	29.684	52.23	W	3	0.018	0.024	6 v. q. KS. CS. K
23	58.2	55.6	30.035	58.03	W 1/2 W	0	0.021	0.027	0. v. K. KS.
24	59.4	57.	29.943	52.13	SWBS	4	0.001	0.003	0. v. KS
25	62.2	59.8	30.035	62.73	SW	4	---	---	0. v. KS.
26	65.	61.	30.106	65.43	SWBS	3	---	---	0. v. KS.
27	61.4	61.3	30.000	62.93	W 1/2 W	3	---	---	0. v. KS.
28	56.8	56.3	30.030	56.62	W 1/2 W	2 1/2	0.040	0.013	6 v. K. CK
29	57.4	56.7	30.152	57.33	WSW	1 1/2	0.010	---	0. v. K. KS.
30	59.4	58.1	29.952	59.63	NW6W	2	0.030	0.035	0. v. K. KS.
mean	56.45	55.39	29.807	56.329		sum	1.593	2.089	
				diff = 3.60			2.018		

x Round = 450
Sqn = 232

9 Pm				Wind			Max T	min T	mean dew point = 49.34 mean Humidity = 0.861	
Run	E	A	Bar	Hyg	Dir	Force				
1	49.4	54.1	29.600	49.01	NE6N	1	54.2	46.1	o. v. KS. d	
2	53.9	55.3	29.673	53.93	W	1	63.8	48	o. v. KS. K	
3	54.1	55.9	29.766	54.13	W	0 1/2	61.7	49.0	o. v. KS	
4	50.9	56.6	30.077	50.73	WNW	2	62.1	50.5	9/10 v. K	
5	51.4	56.4	30.172	51.23	NNW	2	60.9	45.5	2/5 v. S. CS. KS	
6	54.9	56.7	30.092	54.93	SW	4	62.4	45.5	o. v. CS	
7	55	56.9	29.945	55.23	NW6W	1/2	61	52	6/10 v. KS	
8	55.8	57	29.896	55.83	SW6W	2	63.6	51	o. v. d. KS	
9	52.1	57	29.886	52.13	SW6W	4	67.5	52.1	6/10 v. h. K	
10	54.8	57.4	29.835	54.73	SW6S	8	63.5	49.6	o. v.	
11	53.6	56.5	29.529	53.33	SSW	10	62.5	53.0	o. r. N. KS	
12	51.1	56.2	29.644	50.93	W	2 1/2	63.2	42.4	6/10 v. CS	
13	52.3	57.0	29.467	52.93	E. NE	0 1/2	61.8	44.5	o. m. CS. K. KS	
14	48.1	55.0	29.616	48.23	NW	3	54.2	46.0	6/10 v. C. CS. K	
15	53.1	55.5	29.797	53.13	SW6S	4	62.1	43.2	o. v. KS. v	
16	54.5	56	29.606	54.33	SW	5	61.2	44.5	o. v. d. KS. y	
17	50.5	54.8	29.725	50.53	W6S	3 +	61	48	6/10 v. d. KS. K	
18	50.4	54.1	29.407	50.13	STW	4	60.1	47.6	o. m. rain	
19	49.3	57.5	29.490	49.43	STW	3	57.5	49.3	o. v. v. K.	
20	49.4	55.3	29.820	49.23	W6S	2	59.6	48	6/10 v. K. CK.	
21	56	56.4	29.663	56.03	WNW	0	65.1	48	6/10 v. K. KS. CK	
22	55	56.5	29.890	55.63	W6N	2	63.4	52.7	o. v. d. KS.	
23	58.5	59.4	29.997	58.23	SW6S	3	66.1	52.4	o. v. KS. K.	
24	60.1	59	30.000	60.33	SW6W	4	64	56	o. v. KS	
25	63.8	62	30.085	64.33	WSTW	2	69.7	58.5	o. v. KS. K.	
26	63.1	65.3	30.046	63.43	SW6S	1 1/2	75.4	60	6/10 v. C. CK. S.	
27	53	62	30.065	61.43	N 1/2 E	1	65.2	54	6/10 v. S	
28	52.8	59	30.123	52.63	WSTW	1	62.5	47.2	6/10 v. C. KS. CK.	
29	57	60	30.005	57.13	WSTW	2	64.4	48	o. v. CS. KS.	
30	52.6	60	30.093	52.63	N 6/10 N	2	63.4	52.6	6/10 v	
mean	53.88	57.36	29.834	53.73			62.77	49.84		

2.4 = 2.30

1856	Term Observations				Wind		Rain		
June	E	A	Bar:	Hyg ²	Dir	Force	Square	Round	
21. 6am	50.9	52.5	29.720	50.9	NE 6M	90	0.002	0.003	O. V. N. KS. N. clearest m. ENE
7am	51.2	52.8	29.719	51.2	N 6E	100	0.003	0.003	O. V. d. KS
8am	52	53.	29.687	51.8	N	64	0.007	0.012	O. m. d. q. KS
9am	53.3	53.6	29.658	52.2	S 1/2 W	58	0.002	—	O. m. d. KS.
10am	54.3	54.3	29.640	52.1	S 6 W	68	—	—	O. m. d. KS
11am	55.5	54.6	29.614	53.6	SSW	60	—	0.002	O. m. rain n.
Noon	56.8	55.	29.612	54.3	SW 6 S	60	0.042	0.060	O. m. rain n.
1 Pm	56.3	55.2	29.610	56.3	STW	45	0.055	0.052	O. Y. K. Bar heavy
2 Pm	59.4	55.5	29.612	57.6	SW 6 W	58	0.048	0.006	O. Y. d. KS. K. slightly
3 Pm	60.	56.	29.615	57.6	SW 1 W	58	0.005	0.001	O. Y. KS
4 Pm	63.3	57.	29.629	63.9	W 6 S	123	0.001	—	b. Y. KS. K
5 Pm	63.9	58.1	29.633	59.7	W 5 W	98	—	—	b. VV. KS. K. CS.
6 Pm	60.4	58.5	29.645	58.1	W 6 Y	99	—	—	b. V KS. K. CK
7 Pm	58.5	58.	29.659	57.2	W 6 Y	264	—	—	b. Y. KS. K. CK. CS
8 Pm	57.1	57.1	29.661	56.6	W 5 W	240	—	—	O. Y. K. KS.
9 Pm	56.	56.4	29.663	56.4	W 5 W	∞	—	—	b. Y. K. KS. CK.
10 Pm	55.7	56.5	29.656	54.8	W 5 W	57	—	—	b. Y K. KS.
11 Pm	55.	56.1	29.653	53.3	W 5 W	92	—	—	O. Y. KS
midnight	54.	56.	29.640	52.6	W 5 W	87	—	—	O. Y. KS. K
22 nd 1am	54.	56.	29.630	52.6	W 5 W	88	—	0.001	O. V d. KS.
2am	53.9	55.7	29.631	52.7	W 5 W	126	—	—	O. Y. K. KS
3am	53.4	55.6	29.637	52.5	W 5 W	105	—	—	O. VV. K. KS
4am	53.5	55.4	29.636	52.3	W 5 W	81	—	—	O. V K. KS
5am	53.	55.1	29.634	51.8	W 5 W	100	0.001	0.007	O. V. r. n. KS.
6am	53.	55.1	29.643	52.5	W 5 W	87	0.009	0.045	O. m. r. n.

1856	9 a.m.				Wind.		Rain		mean dew point = 51.71
July	E	A	Bar.	Hyg.	Dir	Force	Squar	Round	mean humidity = 0.786
1	55.	54.4	30.130	54.67	N	2	—	—	b. v. c.k.
2	56.2	54.9	30.084	55.87	NbE	1	—	—	b. v. h. c.k. cs.
3	59.4	56.1	30.083	57.77	E. NE	0	—	—	b. v. c. cs.
4	58.3	59.	30.000	58.47	WbS	2	—	—	o. v. s. ks.
5	60.7	59.9	29.891	60.47	WSW	2+	—	—	o. v. h. k. ks
6	56.	58.1	29.767	57.17	W	4	0.037	0.054	b. v. rain. n. k. s.
7	54.1	56.2	29.215	57.77	WSW	3	0.181	0.206	o. m. rain. ks n.
8	51.8	54.1	29.561	57.87	NTV	6	0.128	0.187	b. v. k.
9	56.	54.2	29.647	57.97	WbS	3	0.157	—	o. v. k. n. W
10	54.2	53	29.754	58.37	SWbW	1	0.102	0.090	b. v. k. cs
11	58.2	57	29.623	58.57	SWbW	2	0.028	0.030	o. v. d. ks (At 9 ^h .30 ^m)
12	58.3	55.5	29.575	58.87	SW	3	0.038	0.084	o. v. h. ks.
13	56.7	55.1	29.700	56.27	WbN	1	0.118	0.006	b. v. k.
14	56.1	56.1	29.657	56.97	SE	4	0.042	0.008	o. m. rain. n.
15	63.6	61.	29.424	54.27	S	6	0.081	0.089	o. v. k. ks. (at 9 ^h .12 ^m) Bar. heaving
16	58.	59.	29.665	60.37	WNW	4	0.080	0.217	b. v. k. ck
17	57.6	57.5	29.909	52.67	SW	4½	0.128	0.007	(@ 9.15)
18	58.5	58.8	29.730	57.27	SW	4½	0.009	0.007	o. v. k. cs. s.
19	58.3	59.	29.840	57.17	WbS	2½	0.032	0.051	b. v. k. ks.
20	60.4	60.	29.863	53.77	WbN	1	0.040	0.014	o. v. k. ks
21	62.6	60.3	29.859	0.011	W	2	0.013	0.014	o. v. k. ks. n.
22	64.9	62.3	29.711	0.263	SSW	3	0.280	0.226	o. v. k. ks.
23	64.	61.5	29.458	0.001	WNW	4	—	—	o. v. k.
24	59.8	61.1	29.397	60.37	S	5	—	—	o. v. g. k. ks. s.
25	59.	58.5	29.583	64.17	S	5	—	—	o. v. g. k. ks. s.
26	60.6	59.2	29.712	57.47	SW	1½	0.013	0.019	b. v. k. ck.
27	60.	59.	29.860	58.87	SW	4	0.018	—	b. v. k.
28	58.3	58.	29.915	53.87	SW	7	—	0.004	b. v. g. k. ck
29	61.6	61.2	29.864	60.67	SW	2½	0.016	0.018	b. v. k. ck. ks. c
30	65.9	63.2	30.000	53.77	SWbS	0	0.017	0.024	b. v. k. ck
31	67.1	63.8	30.070	53.37	S	3	0.019	0.130	o. m. ks.
				61.87	SKbW	4	0.124	0.024	o. v. ks. k
				60.77	SW	5	0.019	—	b. v. k. ck
				62.47					
mean	59.07	58.29	29.759	58.99		Sum	1.2402	1.492	
				53.00			1.5345		
				3.99	= Diff				

1856	y Pm				Wind		Max	Min:	mean dew point = 52.16	
July	E	A	Bar.	Hyg	Dir.	Force	T	T	mean humidity = 0.860	
1	50.	60.2	30.138	49.8	N ¹ / ₂ E	2	62.6	45.4	b. vv.	cs. (at 9 ^h 16 ^m)
2	54.2	58.	30.085	47.4	ESE	1	64.1	45.	b. v. h.	s in Whorizon
3	57.	61.	30.065	52.1	N	1	68.7	45.6	b. v.	cs. ck. c
4	57.8	60.	29.935	52.3	W	2	64.5	54.	o. v.	K. KS.
5	55.	60.1	29.864	52.3	WSW	3 ¹ / ₂	62.7	54.4	b. v.	K. CK
6	55.	60.	29.721	51.5	WSW	3	62.7	53.4	o. v.	K. KS.
7	47.7	55.4	29.354	51.4	NW	4+	60.5	46.5	o. v.	K. KS
8	48.3	53.	29.646	46.2	WNW	2	59.	46.5	b. v.	s in W
9	50	57	29.728	47.5	Nb W	2	62	45.7	b. v. C. CS	
10	55.5	56.6	29.668	53.3	S	2	61	43.5	o. v. KS	
11	53.3	57.	29.659	53.0	Wb S	2	62.5	54.	b. m K KS C	
12	52.3	58.	29.684	52.8	Wb S	1 ¹ / ₂	63.6	50.4	b. vv.	cs. ck.
13	54.	59.	29.711	47.7	SEb S	1 ¹ / ₂	68.	48.5	b. v.	cs. K. KS.
14	63.	61.3	29.543	50.8	Sb W	4	69.9	50.	b. v.	cs. s. KS.
15	60.	62.8	29.418	63.3	SW	1	68.4	59.5	o. v.	K.
16	53.	60.1	29.909	59.8	WNW	1	63.4	52.6	b. v.	K. cs. c.
17	57.4	59.3	29.745	52.5	S	3	63.	50.5	o. v.	KS.
18	57.	60.3	29.790	57.4	WSW	2	64.4	54.4	o. v.	K. KS.
19	59.3	61.	29.857	57.1	TWNW	1	65.4	55.3	o. m.	rain n.
20	58.7	60.9	29.914	59.3	Wb S	1	65.5	58.7	o. v.	KS.
21	62.3	63.2	29.797	58.8	W	0	70.4	58.1	b. v.	c. ck.
22	63.5	65.	29.573	61.4	S	3	71.4	60.5	b. v.	K. ck. s
23	61.2	64.8	29.371	64.3	S	2 ¹ / ₂	70.	57.3	b. v.	KS.
24	55.2	58.7	29.501	60.7	SW	2	66.4	54.	b. v.	c. cs. KS.
25	57.	62.1	29.621	53.2	SW	2	65.6	54.1	o. v.	KS. n. Light rain
26	56.4	62.	29.869	56.8	Wb S	3	65.	53.	b. v.	K. KS.
27	55.5	61.6	29.815	53.5	Wb S	0	66.	51.4	o. v.	KS. K.
28	60.	63.2	29.940	53.5	S	4	69.	50.9	b. v.	KS. S
29	63.8	63.5	29.913	56.9	SW	5	70.2	57.5	o. v. g.	KS.
30	62.	64.5	30.053	62.3	SW	3	71.9	62.	b. v.	c. ck.
31	62.7	68.	30.055	59.8	SEb S	2 ¹ / ₂	76.4	60.4	b. v.	c. s
mean	56.71	60.57	29.766	56.63		mean	65.94	52.68		
				54.12						
				2.44	= Diff					

Hyg = $\begin{cases} 56.6 \\ 53.1 \end{cases}$

(at 9^h 15^m)

1856		9 Am			Wind		Rain		mean dew point = 55.67	
Augt		E	A	Bar:	Wggt	Dir ⁿ Force	Square	Round	mean humidity = 0.810	
♀	1	65.9	64.4	30.035	65.9	SWW	2	—	b. Y.	K:CK
	2	69.	65.	29.946	62.2	NE	3	—	b. h.	CK
⊙	3	73.6	68.	29.913	64.4	ESE	5+	—	b. h.	
	4	71.8	68.	30.032	69.1	E	2	—	b. h.	CS diffused
	5	69.3	69.9	30.135	67.6	NE	2	—	b. h.	
	6	71.9	68.7	30.060	70.6	NEbE	1	—	b. h.	
	7	72.	69.7	29.893	72.1	SWW	0	—	b. h.	(at 11 Am Heavy thunder in SE)
	8	66.1	66.3	29.558	67.7	NE	1	0.270	b. h.	K in South
	9	58.1	65.4	29.657	63.6	ESE	4	0.290	o. h. Y	KS. (at 9 ^h 10 ^m)
⊙	10	60.1	63.5	29.558	58.2	E	2½	0.606	o. Y. m.	KS.
	11	66.	64.6	29.443	60.4	SEbS	6	0.627	b. W.	K. CK. C
	12	63.4	68.	29.590	63.2	SWW	2	0.398	b. Y.	K. CK.
	13	63.6	63.1	29.596	60.8	SEbS	8	0.423	o. m. g.	K. KS.
	14	62.2	61.	29.500	64.3	S	4	0.027	b. W. g.	K. C. CK.
	15	58.3	60.	29.653	67.4	SW	4½	0.258	b. W. g.	K. KS. CK.
	16	62.4	61.5	29.814	58.4	EbS	3	0.245	o. V.	K. KS. S
⊙	17	59.	62.	29.654	57.3	NEbN	3+	0.178	o. h. Y.	K. KS.
	18	54.1	58.7	29.583	58.1	NNE	5	0.062	o. V. g.	K. KS.
	19	54.1	57.5	29.588	56.6	NEbN	3	—	o. V.	K. KS.
	20	55.6	58.	29.516	54.3	NE	4	—	o. V.	K. CK.
	21	55.4	58.	29.412	52.4	NbE	4½	0.022	o. V. g.	K. KS.
	22	55.	56.2	29.762	52.3	NWbN	2½	0.022	b. Y.	CK. K.
	23	58.3	57.4	29.905	52.3	SSW	2	—	o. V.	KS. S. CK.
⊙	24	61.3	60.1	29.772	54.3	W	1	—	o. VV.	K. KS.
	25	62.	61.	29.523	59.3	SW	5	0.615	o. V.	KS. K
	26	58.7	59.1	29.815	60.8	WNW	2	0.029	o. V.	K. KS.
	27	55.5	58.4	29.705	52.8	NW	2	0.006	b. V.	K. C. CK.
	28	58.6	59.	29.403	51.3	SSW	3	0.162	o. m.	Rain. n.
	29	57.3	60.	29.815	57.3	NW	2+	0.276	b. VV.	K. CK.
⊙	30	61.5	59.9	29.863	53.6	S	4	0.333	o. V.	KS. S. CS.
	31	56.	56	29.706	58.9	SW	3½	0.066	b. V.	K. CK. S. CS.
mean		61.81	62.21	29.733	61.997	Sum	2.397	2.689		
					58.34		2.635			
					3.65 = Dir ⁿ					

1856	9 Pm				Wind		Max	Min	Mean dew point = 55.77	
Aug	E	A	Bar	Hyg	Dir	Force	T	T	Mean humidity = 0.881	
1	65.1	69.	29.990	65.27	SEbS	2	78.1	58.5	b ₁₀ v	
2	68.1	70.4	29.913	68.93	E	2	80.6	57.6	b ₅ h.	C. CK. CS.
3	70.3	71.3	29.949	71.33	SEbE	4½	79.5	63.	b ₅ h.	CS in W
4	68.6	73.5	30.104	69.13	S	0	83.1	61.7	b ₁₀ h.	The greatest Max. on record here
5	67.	70.	30.113	67.13	SEbE	0	81.3	61.6	b ₁₀ h.	
6	67.2	74.3	29.967	67.23	SEW	0	81.7	61.6	b ₁₀ h.h.	KS in N. horizon
7	65.	66.	29.680	65.63	SEW	2½	77.	61.7	0. VV.	S. KS. (Continuous thunder & lightning from Noon to 6 Pm. with rain)
8	59.	66.	29.556	59.63	NbS	3	74.	59.	0. V.	K. KS. Thunder in W at 4½ Pm
9	57.1	64.1	29.505	57.23	NE	2+	60.6	56.4	0. m.	light rain n.
10	62.	65.	29.471	62.33	SE	5	67.6	55.5	0. V.	rain n.
11	62.8	67.	29.479	63.13	S	4	73.4	61.5	b ₇ v.	K. CK.
12	61.7	65.2	29.667	61.83	SE E	1	69.	59.	0. V. KS	
13	59.7	68.2	29.567	59.63	S	4	69.	57.	b ₉ VV.	C. CS. (frequent showers during the day)
14	58.4	64.1	29.537	58.13	SWbW	5	66.2	55.	0. VV. g.	K. On
15	59.2	62.1	29.801	59.23	W	1½	68.7	58.4	b ₁ v.	K. CK. C.
16	58.5	64.1	29.737	58.63	NE	1	65.6	57.	0. V.	KS. S
17	55.	63.	29.624	55.63	NbE	3	64.	55.	b ₂ v.	n. CK. C. a few drops of rain
18	58.8	58.8	29.591	58.23	NEbN	2	58.1	47.2	0. V. KS	
19	53.	60.	29.579	52.83	EbS	3	60.8	50.3	b ₅ v.	C. CS. KS.
20	55.5	59.5	29.415	55.63	NE	5	60.2	50.4	0. V.	KS. S.
21	53.	58.6	29.595	53.93	N	1	61.	51.6	0. V.	K. CK.
22	54.	59.1	29.905	54.13	NTV	0	61.7	51.4	0. g.	KS.
23	59.5	61.	29.805	59.73	SEW	4	64.	52.7	b ₂ g. g.	KS. K.
24	61.6	61.6	29.756	61.73	SEW	3	67.	58.	0. V.	KS.
25	57.7	61.1	29.659	57.83	W	4	62.9	57.8	b ₁ v.	KS.
26	59.4	59.4	29.560	59.23	SWbS	3	62.7	53.5	0. V.	KS.
27	55.1	59.5	29.710	55.23	NNTV	0	62.5	51.8	0. d	K.
28	59.4	61.	29.487	59.63	SWbW	3	69.3	59.5	b ₁ v.	K. KS.
29	53.2	61.6	29.989	53.43	NNE	0	64.3	55.1	0. v.	KS.
30	54.4	60.	29.704	54.53	SW	2	62.4	53.5	b ₆ VV.	K. CK.
31	51.	59.	29.695	51.73	SW	2 -	62.	49.	b ₉ VV.	K.
mean	59.49	63.89	29.713	59.567			68.28	56.17		

July = 2.17

1856	9 Apr			Thy	Wind		Rain		mean dew point = 48° 70	
Sept	E	A	Bar:		Dir:	Force	Square	Round	mean humidity = 0.838	

1	54.8	55.	29.646	54.33	SWW	0	0.0093	0.008	b. V.	K. KS
2	54.1	53.7	29.937	54.53	WSW	2	—	—	b. V.	K. CK. C.
3	56.4	56.4	30.011	56.43	SWW	3	—	—	O. V.	M. KS. light rain
4	58.3	56.6	29.831	58.33	SE	2½	0.0073	0.013	O. V.	S. CS. KS.
5	58.	58.4	29.720	58.73	SE	6	0.0883	0.097	b. h. V.	CS. CK. C.
6	57.	57.1	29.704	57.13	SE	4	0.0903	—	O. V.	K.
7	56.2	58.	29.642	56.23	NE	0.	0.1123	0.106	O. m.	KS.
8	58.6	57.	29.751	58.63	NWbN	2	0.0053	0.005	b. V.	K. CS. CK. KS.
9	55.3	56.4	29.725	55.33	NNE	2	0.0173	0.021	O. m.	KS.
10	54.1	56.4	29.857	54.13	SWbS	0	0.0373	0.028	fog	—
11	54.1	54.5	30.120	54.13	N	2	—	—	b. V.	K. CK.
12	51.1	53.1	30.084	51.13	W	1	—	—	b. V.	S. CS. C.
13	55.7	56.1	30.007	55.73	NWbW	2½	0.0593	0.071	b. V.	K. KS.
14	57.7	56.9	30.030	57.73	SW	2½	0.0743	—	O. V.	S. KS. K.
15	57.1	57.4	29.965	57.13	WSW	4	0.0073	0.014	b. V.	K. CK
16	56.	56.5	30.005	56.53	W	3	0.0143	—	b. V.	K. C. CK
17	54.8	58.	29.657	54.83	NW	2	0.0143	0.025	O. m. d.	KS.
18	51.5	53.4	29.761	51.53	WbS	1½	0.0089	0.006	b. V.	K. CK
19	50.9	52.	29.890	50.93	NWbW	3	0.1303	0.123	b. V. q	K. CK
20	52.1	52.7	30.089	52.13	NW	1½	0.0123	0.016	b. V.	K. CK.
21	49.9	51.1	29.547	49.93	S	5½	0.0153	—	O. m. q.	rain commencing
22	51.4	52.1	29.005	51.43	SWW	4	0.2243	0.284	b. V. q	K. CK.
23	46.9	52	28.855	46.93	NWbW	2	0.3813	0.363	O. m. q.	n
24	50.1	50.3	28.887	50.13	NW	1	0.2273	0.294	b. V.	CK. K.
25	50.6	52.1	29.223	50.63	NW	2	0.0013	—	O. V.	K.
26	48.	48.6	29.195	48.63	S	5	—	—	b. V.	K. KS. CS. C. S
27	51.6	52.1	28.952	51.63	SE	8	0.6203	0.670	O. m. q.	rain. n.
28	49.6	51.4	29.131	49.63	NbE	5½	0.2403	1.123	O. V.	K. KS. S.
29	51.8	51.	29.260	51.83	SW	2	0.2003	0.220	O. V.	K. KS.
30	50.8	51.5	29.538	50.83	NWbW	3	0.0023	—	b. V.	K. CK. KS. C

mean	53.47	54.26	29.634	53.523			2.9307	3.487		
				50.86	2° 46	SWm	3.149			

1856	9 PM				Wind					mean dew point = 48.32
Sept	E	A	Bar	Wg	Dir:	Force	Max Ther	Min Ther		mean humidity = 0.891
1	47.8	57.4	29.738	47.73	NE	1	60.4	47.8	b. v. Thunder at 4 P.M. in N.W.	
2	52.6	59.1	30.039	52.63	W	0	64.5	44.6	b. v. K dispersed	
3	58.9	59.2	29.956	58.23	SE	5	62.2	50.0	b. v. - CS	
4	59.1	60.5	29.707	59.33	SE	4	66.	52.8	o. g. KS.	
5	53.2	57.8	29.745	53.23	E	2	62.9	53.	b. v. KS.	
6	54.8	59.6	29.640	54.73	NE	0	63.1	50.3	o. g. rain n.	
7	54.1	59.5	29.725	54.13	NNE	0	62.	54.3	b. v. S.	
8	52.	58.6	29.655	52.93	NNE	0	63.	51.4	b. v. S.	
9	54.	58.4	29.756	54.63	ESE	1	60.4	50.3	b. v. m.	
10	53.9	60.	30.040	53.73	NW	1	66.1	51.	b. v. K. KS. C	
11	48.3	57.7	30.137	48.63	NW	0	59.8	46.	b. v. Y.	
12	53.4	57.5	30.015	53.23	SW	3	60.1	44.6	o. Y. S. KS.	
13	54.	57.1	30.050	54.73	WN	1 1/2	59.9	49.6	o. Y. S.	
14	59.4	58.4	29.995	59.63	SW	4	63.7	54.	o. Y. K. KS.	
15	54.4	58.	29.951	54.23	WSW	3	64.2	53.4	b. v. K. CS. CK	
16	58.1	58.	29.812	58.13	WN	5	62.5	51.	o. v. KS. Y	
17	50.	57.1	29.663	49.43	W	3	60.4	50.4	b. v. CS.	
18	44.2	54.	29.780	44.23	WN	1	57.4	44.5	b. v. K in NE horizon at 9.15	
19	50.	54.8	30.034	50.43	NW	3	57.7	42.6	b. v. K. CK. n.	(Heavy showers with hail during the afternoon)
20	47.	54.	30.020	47.73	WN	1	57.6	45.5	b. v. K. CK. KS.	
21	47.3	53.	29.307	47.33	WSW	2	56.5	46.2	b. v. KS.	
22	49.	53.6	28.805	49.63	S	2	56.4	45.	b. v. d. KS. n.	
23	51.	52.5	28.877	51.43	WNW	2 1/2	53.	46.5	o. m. KS.	
24	51.7	53.9	29.095	51.63	NW	2	57.7	44.	o. v. KS.	
25	44.8	52.6	29.345	44.83	W	2+	54.	44.9	b. v. S. in N.	
26	50.5	52.	28.945	50.53	ESE	3	54.5	41.7	heavy rain g.	
27	57.2	52.5	29.023	57.23	NNE	6	53.	50.4	do	
28	48.8	50.	29.163	48.83	NW	3	52.	46.6	o. v. g. KS. Bar: heaving	
29	57.3	52.4	29.423	57.33	WNW	2	57.	46.7	b. v. KS.	
30	48.6	52.	29.582	48.63	NW	1	54.	48.	o. v. KS	
mean	51.71	56.04	29.634	51.43			59.47	48.23		
				49.83		1.60				

1856 Sept.	Term Observations			Therm	Wind		Rain		
	E	A	Bar:		Dir	Force	Square	Round	
22 nd 6 Am	48.1	52.2	29.052	47.5	SW 68	68	0.228	0.284	b.v. S
7 Am	48.4	51.0	29.065	46.3	SW 63	63	—	—	b.v. m S
8 Am	50.	51.0	29.026	48.6	SW 60	60	0.001	0.000	b.v. h. S. K. KS
9 Am	51.4	52.1	29.005	48.5	SW 60	60	—	—	b.v. g. K. CK.
10 Am	53.4	54.	28.986	49.	SW 65	57	0.001	—	b.v. g. K. CK.
11 Am	54.	56.	28.968	50.4	SSW 68	68	—	—	b.v. C. K. CK
Noon	55.5	56.9	28.943	50.4	SSW 63	63	—	—	b.v. g. K. CS. C
1 Pm	55.	58.	28.922	50.9	SW 65	55	—	—	b.v. K. CS. C
2 Pm	53.	57.1	28.909	51.	SW 56	drops	—	—	b.v. K. CS. n. ^{heavy} Rain commencing
3 Pm	52.	56.6	28.887	51.1	SE 104	104	0.057	0.057	b.v. K. CK. CS.
4 Pm	50.9	55.9	28.869	50.2	SSW 90	90	0.019	0.018	b.v. K. CK
5 Pm	50.6	55.4	28.854	50.3	SW 160	160	0.002	0.003	b.v. n. CK. KS.
6 Pm	50.4	54.9	28.837	50.4	SW 150	150	0.001	—	b.v. K. KS. C.
7 Pm	49.8	54.1	28.825	48.7	S 1/2 E 65	65	0.001	—	b.v. K. KS. CK
8 Pm	49.	53.6	28.814	48.4	S 146	146	0.017	0.016	b.v. KS
9 Pm	49.	53.6	28.803	47.6	S 191	191	0.001	0.001	b.v. d. KS. n.
10 Pm	48.3	53.4	28.802	47.6	S 208	208	drops	drops	b.v. KS.
11 Pm	47.8	53.1	28.796	47.1	SE 606	606	—	—	b.v. KS.
12 Pm	47.8	53.	28.799	46.5	SE 0	0	0.002	0.004	b.v. d. KS
23 rd 1 Am	47.3	52.8	28.809	47.2	SW 0	0	0.002	0.001	b.v. KS
2 Am	47.4	52.7	28.813	46.6	SW 510	510	0.001	0.001	b.v. KS. S.
3 Am	46.6	52.5	28.821	46.4	WSW 241	241	—	—	b.v. K. KS. S.
4 Am	46.3	52.	28.824	46.3	W 0	0	—	0.002	b.v. K. CK.
5 Am	47.2	52.	28.826	45.7	W 200	200	0.003	0.003	b.v. rain. n. K
6 Am	48.	52.1	28.840	45.2	WNW 111	111	0.040	0.043	b.v. rain n

1856	9 Am				Wind	Rain		mean dew point = 48°.62	
October	E	A	Bar:	Hyg%	Dir. Force	Squm	Round	mean humidity = 0.886	
1	51.	50.	29.475	50.7	SS E	6	—	b. y.	s. c. cs.
2	50.3	51.1	29.303	50.2	Sb E	3	0.032	b. y.	
3	52.4	51.3	29.374	52.4	SS E	5	0.285	b. y.	K.
4	52.	53.6	29.371	52.3	W. NW	2	0.320	o. m. m.	KS.
5	52.6	54.1	29.665	52.6	N	2	0.048	o. v.	KS. S
6	51.3	53.8	29.922	51.2	NE	3	0.050	o. v.	K: KS.
7	46.2	50.9	29.975	46.1	NEb N	3	0.059	b. y.	K. KS.
8	48.	50.8	29.982	47.8	Nb E	0	0.066	o. v.	S.
9	46.7	48.	30.035	46.1	NEb E	0	—	b. m.	K. CK
10	51.	51.	30.109	50.8	Wb N	0	—	b. m.	CK. K
11	52.8	51.8	29.611	52.1	SE	2	—	b. m.	K. KS
12	50.5	51	29.864	50.7	S	2	—	b. v. h.	C. CS
13	56.5	55.5	29.956	55.5	S	2	0.015	b. v. m.	KS. K.
14	56.	55.	29.653	56.4	E	2	—	o. v.	KS. K.
15	52.	53.7	29.230	51.5	Sb E	0	0.324	b. v. m.	K. CK
16	54.4	53.1	29.787	54.4	SW	4	0.380	o. m.	KS.
17	55.	53.4	29.935	55.2	SSW	5	0.040	b. v. v. y.	S. KS.
18	53.	54.	30.028	53.2	SS E	4	0.078	o. v.	S. CS. CK
19	54.6	54.	30.055	54.6	Sb W	4	0.005	b. v.	S. CS. CK.
20	52.5	52.7	30.103	52.2	Sb W	1+	0.050	o. v.	K. KS.
21	52.	52.4	29.976	51.7	SS E	2	0.071	o. v.	K. KS.
22	55.	53.4	30.070	54.8	Eb N	1½	—	o. m.	KS.
23	54.	54.1	30.201	54.8	W. NW	2	0.003	fog.	
24	54.4	54.2	30.318	54.6	Wb E	2+	—	o. m.	S.
25	50.	53.9	30.295	53.1	Sb E	3	—	o. v. m.	KS.
26	52.1	52.6	30.300	52.1	Sb W	1½	—	b. v.	CK. K. CS.
27	52.	53.4	30.266	51.4	SWb W	1	—	b. m.	CK. CS.
28	48.	52.2	30.137	47.5	SS E	3	—	b. m.	K. K. C. C.
29	49.4	49.1	29.943	48.9	SEb S	2	—	o. v.	K. CK
30	55.5	53.6	29.690	55.6	S	4½	0.246	o. m.	K. KS.
31	49.4	52.3	29.961	49.6	SW	1½	0.245	o. m.	S.
mean	52.15	52.61	29.890	51.99			1.166	1.490	
				50.32			1.424		

Bar. heaving

(at 9.10²)

1856	9 PM				Wind		Max	Min	mean dew point = 48°.83	
October	E	A	Bar:	Hyg	Dir:	Force	T	T	mean humidity = 0.909	
1	52.1	52.6	29.281	52.3	SSE	8	55.6	46.6	10. V. d	KS. Bar: heaving
2	49.1	53.7	29.373	48.6	SS E	1½	57.	46.3	6. V.	S.
3	52.2	55.1	29.323	52.2	SS E	3	60.	46.1	7. V.	S in shadow
4	50.6	56.	29.527	50.6	SW	1	59.3	50.	6. V.	KS.
5	51.3	54.6	29.780	51.3	NW	1	55.6	49.4	0. V.	KS. K.
6	49.4	53.2	29.993	49.4	NE	3½	53.6	49.6	0. g.	KS.
7	47.4	51.4	29.975	47.4	NW E	1+	50.4	42.6	0 g.	KS.
8	43.2	50	29.995	43.2	NW	1	51.6	43.	6. m. C. G.	
9	47.9	50.8	30.091	47.9	S	1+	54.	41.	6. C V CS	
10	49.9	53	30.060	49.9	SE E	2	58.	45.	6. V. m. CK. K	
11	50.4	52.2	29.888	50.4	SE E	1	56.2	46.5	6. m. K. CK	
12	55.	53.8	29.882	54.8	SS E	4	58.5	46.0	6. V. KC.	
13	54.4	56.3	29.900	54.4	SE	2½	62.6	54.	6. VV. KC. K.	
14	54.	55.	29.248	54.1	ESE	7	58.4	53.	0. m. eq. rain n.	
15	46.	53.	29.617	46.7	WbS	1	56.3	45.5	6. V. KS low in west	
16	54.	54.	30.012	54.1	SWbS	4	57.5	45.7	0. V. KS. S.	
17	54.7	54.8	29.980	54.7	SSW	4	58.3	53.	0. V. S.	
18	53.	53.6	30.004	53.7	SSW	5	56.6	52.8	0. V. S. n.	
19	52.5	55.1	30.093	52.6	SSE	3	59.7	52.	0. V. KS.	
20	51.	53.8	30.007	51.4	ESE	2	53.7	50.4	0. g. KS. K.	
21	53.5	53.5	30.023	53.5	SSE	3	55	55.	0. V. KS.	
22	52.7	54.7	30.091	52.7	SW	1	62.5	52.5	0. g. K.	
23	54.3	54.6	30.247	54.3	NNE	2	57.5	53.	0. m. KS.	
24	52.3	54.1	30.317	52.3	SE	1½	57.	52.6	0. V. KS.	
25	52.4	53.7	30.288	52.3	SW	4½	55.	52.6	0. V. KS.	
26	52.6	54.4	30.289	52.6	SWW	1½	57.3	50.4	0. V. KS.	
27	52.9	54.	30.208	52.9	ESE	2	57	50.	0. g.	
28	49.1	51.4	30.038	49.1	SSE	2½	53.9	46.	6. V. KS. S.	
29	52.5	53.7	29.757	52.5	SSE	5	54.7	41.5	0. V. KS.	
30	54.	55.1	29.663	54.1	SW	5	57.9	52.	0. V. KS.	
31	46.	53.1	29.148	46.1	SWW	2	55.	46.7	6. V.	
mean	51.63	53.69	29.907	51.24			56.64	48.61		
				49.99	1.25 diff					

1856	9 Am			Hyg	Wind		Rain		mean dew point = 40°.83	
Nov ^r	E	A	Bar		Dir	Force	Square	Round	Mean humidity = 0.895	
1	50.3	51.	30.195	50.63 49.13	SSW	3	0.0013 0.005	0.003	b. V.	KS. S. K.
2	47.4	51.	30.116	47.23 46.53	WSW	0	—	—	o. V.	S. C. K.
3	51.	52.	29.947	50.33 49.43	SE	5+	0.0033 0.0073	0.007	o. m.	light rain. n.
4	52.9	52.4	30.020	52.93 51.43	SBW	3½	0.0113 0.0213	0.022	o. Y.	K. KS.
5	52.	52.7	30.220	52.63 50.63	SS E	2½	drops	—	b. V.	CK. CS. S.
6	47.5	50.7	30.358	47.53 46.43	SS E	3½	—	—	b. V.	—
7	36.	43.2	30.480	36.13 33.53	NE	1+	—	—	b. m. m.	—
8	43.5	45.	30.202	43.63 41.63	SWBW	1+	0.0043 0.010	0.012	o. m.	S. CS.
9	46.8	46.8	30.317	46.63 45.93	Wb. N	3	0.0123 0.0143	0.028	o. Y.	S. KS.
10	38.	45.	29.592	37.93 36.13	N	2	0.0283 0.0373	0.027	b. Y.	CS. C. CK (Sleet at 3½)
11	39.	42.	29.512	37.53 36.73	NNW	2	0.1043 0.1453	0.134	b. V.	C. CK. CS.
12	38.3	41.	29.903	37.63 34.33	N	1	0.0573 0.0393	0.028	b. Y.	K in N.
13	42.1	42.5	29.761	41.83 41.33	SWBW	2	0.0053 0.0123	0.007	b. V.	K. CK. C
14	40.8	43.	29.936	40.63 39.63	NNW	2	0.0033 0.0083	0.005	o. V.	KS. S.
15	41.	42.	29.878	40.43 39.73	SWBW	5	drops	—	o. d.	S.
16	43.3	44.1	30.037	43.73 40.13	NNW	0	—	—	b. V.	K. CK. CS. S.
17	43.3	44.8	29.926	43.13 41.93	SWBW	2	0.0013	—	o. V.	CK. KS.
18	43.6	44.4	30.054	43.33 40.43	NNW	2½	0.0043 0.0253	0.024	o. VV.	CK. CS. S.
19	47.	46.6	29.961	46.83 46.23	WSW	3	0.0953 0.1153	0.120	o. m.	S. CS.
20	51.	47.	30.000	50.33 49.73	W	3+	0.0053 0.0133	0.022	o. VV.	KS.
21	51.	48.1	30.088	50.63 49.53	SWBW	3	0.0073 0.0023	0.003	b. V.	KS. CS.
22	50.4	49.1	30.021	50.33 49.53	SSW	5	0.0023 0.0123	0.017	o. VV.	K (at 9.25)
23	53.5	50.2	29.951	53.63 51.83	WSW	6	—	—	o. Y.	KS. K.
24	48.1	50.3	29.783	48.63 46.63	WNW	4½	0.0243 0.1303	0.290	b. VV.	K. CK. KS.
25	38.4	45.2	29.950	37.63 34.93	W	1	0.0033 0.0073	0.007	o. Y.	KS. CS. S. C
26	48.7	44.7	29.457	48.83 46.83	WSW	3	0.6143 0.6513	0.640	b. VV.	KS. S. C
27	40.3	45.2	29.535	39.73 38.33	WNW	2½	0.6533	0.070	b. VV.	KS.
28	34.	41.	29.624	32.23 31.83	WNW	1	—	—	o. m.	S. CS.
29	31.3	38.4	29.668	30.33 31.33	W	2	—	—	b. V.	CS. KS. C (Hyg ^r frozen)
30	31.	37.6	29.880	30.73 29.73	NTW	1	frozen	frozen	b. VV.	CS. C. K much snow on ground Hyg ^r frozen
mean	44.05	45.90	29.946	43.88 42.32			1.0977 1.3843	1.466		

1856	9 Am			Hyg.	Wind		Max	Min.	mean dew point = 40.67	
Nov.	E	A	Bar		Dir.	Force	T	T	mean humidity = 0.911	
1	51.	53.6	30.188	50.71	SBW	3	56.6	45.4	b. v.	KS. S.
2	50.2	53.2	29.995	49.43	SS E	4	53.2	45.	o. v.	KS. S
3	51.8	52.5	29.950	46.63	SSW	3	55.2	50.	o. v.?	KS
4	52.1	53.5	30.150	52.13	SB E	1+	56.	51.	o. v.	KS.
5	47.	53.1	30.271	50.63	SB E	1	55.	47.4	b. v.	CS. S
6	39.9	43.8	30.435	46.63	SE	2	50.2	39.	b. v.	
7	37.7	41.	30.418	39.23	SWBW	2	45.3	32.6	b. v.	C. CS. KS.
8	43.1	47.	30.111	36.73	Wb N	0	49.3	36.	b. v.	S. CS. CK. K
9	43.4	47.1	29.793	44.63	WNW	2½	49.9	43.	b. v.	C. CK.
10	34.5	43.	29.440	43.33	NWbN	2	44.2	34.	b. v.	KS snow on ground
11	36.3	41.8	29.730	35.53	N	2	44.2	33.4	b. v.	Snow showers during the day
12	40.	43.3	29.860	35.23	SWbW	2+	46.6	34.1	o. v.	KS. S
13	44.9	44.8	29.775	39.73	WNW	1½	48.6	37.	o. v.	K. S. KS.
14	38.	42.7	29.932	44.83	WNW	2	45.2	37.	b. v.	C. CK.
15	45.	44.2	29.912	43.13	WNW	2	49.3	36.	o. v.	K.
16	43.5	45.2	29.995	46.63	SWbW	2½	46.4	41.1	o. v.	KS. n.
17	44.8	45.1	29.921	43.33	WSW	3	47.1	42.1	o. v.	KS.
18	45.4	45.1	29.957	44.13	SWbS	5	45.6	44.1	o. v.	KS.
19	48.3	47.	29.959	44.63	SWbW	4	52.4	43.6	b. v.	KS. S.
20	49.5	47.6	30.013	46.63	WbS	2½	52.1	46.2	o. v.	KS.
21	51.4	48.9	30.109	49.63	SWbW	5	53.5	48.6	o. v.	R.
22	52.6	50.	30.022	50.23	WbS	5	53.5	49.4	o. v.	K. KS.
23	52.2	51.	29.801	52.63	WbS	5	54.6	51.4	o. v.	d. n. K.
24	41.3	47.5	29.890	51.63	W	3½	53.5	41.1	b. v.	KS.
25	36.	44.	29.700	41.63	SEbS	1½	44.7	35.	o. v.	sleet n.
26	45.	46.9	29.476	35.23	WSW	5	54.4	35.4	b. v.	S.
27	39.	45.3	29.637	34.83	NWbN	2	45.2	37.5	b. v.	KS.
28	31.5	40.1	29.657	36.73	NWbN	1+	38.3	31.8	b. v.	
29	31.1	38.8	29.738	30.73	NTW	1¼	34.4	29.7	o. light snow falling.	Hyg. frozen
30	31.	37.9	29.930	30.23	WSW	3	36.9	26.2	o. v.	KS. snow on ground
mean	43.31	46.17	29.925	42.897			48.51	40.46		

1856		9 Am			Hyg	Wind		Rain		mean dew point = 38°.23		
Day		E	A	Bar.		Dir.	Force	Square	Round	mean humidity = 0.929		
1	34.3	37.1	29.812	34.7 } 33.5 }	W		3½	frozen	frozen	b. V.	S. CS. KS	Hyg. frozen
2	34.6	37.	29.690	34.2 } 33.2 }	SWbS		4	do	do	o. m.	KS. n.	do
3	36.	37.7	29.610	35.4 } 34.6 }	NbS		3	0.3017	0.301	b. V.	KS. K. CS.	
4	27.5	34.	29.744	26.4 } 26.4 }	SSW		1½	0.3455	—	b. m.	CS.	Hyg. frozen
5	46.	39.7	29.136	40.7 } 45.4 }	SE		1	0.0103	0.029	o. m.	K.	
6	49.4	45.3	28.743	45.4 } 48.3 }	SW		10	0.1103	0.263	o. V. g.	K.	(at 9.12m) Bar. Raining
7	53.6	49.	28.855	53.6 } 53.3 }	SWbS		6	0.5513	0.924	o. V. m. g.	K. KS.	
8	50.9	49.4	28.964	50.6 } 49.4 }	SW		4	0.3127	0.530	b. V. m. g.	K. KS. S.	Bar. clearing
9	50.7	49.	28.686	50.23 } 49.8 }	SSW		3	0.2502	0.350	o. rain	at 11 a.m B = 28.564	
10	48.8	48.8	28.855	49.8 } 48.6 }	SSW		6	0.3405	0.227	o. V. K. KS.	" 12½ " = 28.500	
11	41.1	46.4	29.190	41.4 } 40.4 }	WSW		3	0.1653	—	b. V. C. CS. KS	" 2½ " = 28.414	
12	41.7	45.6	28.807	41.1 } 40.2 }	SWbS		2+	0.0187	0.048	b. V. C. CS. S.	" 3 " = 28.416	
13	43.	45.	28.833	42.1 } 41.5 }	NWbS		3	0.2437	0.270	b. m.	C. CS. S.	
14	42.	44.	29.537	41.2 } 40.3 }	W. YW		3+	0.2893	0.020	b. V. rain.	KS. C. n.	
15	35.4	40.9	30.209	34.6 } 34.6 }	SSW		2	0.0163	0.001	b. m.	KS. CS. K. S.	
16	40.6	40.4	30.255	40.3 } 40.3 }	SW		2+	0.0103	—	o. V.	KS. S.	Hyg. 40.33
17	47.0	44.5	30.123	47.6 } 46.2 }	SWbS		6	—	—	o. m.	KS.	Hyg. 47.63
18	42.4	44.4	29.871	43.7 } 40.1 }	NWbW		3	0.1653	0.296	b. V.	K. CK.	
19	41.	41.6	30.242	40.4 } 39.3 }	SWbS		2	0.2363	—	o. V.	KS.	
20	44.2	44.2	30.234	46.4 } 46.4 }	WSW		2	0.0017	0.016	o. m d.	K. KS.	
21	47.	45.7	30.242	46.6 } 46.6 }	SW		5	0.0213	0.018	o. V. m.	KS.	
22	47.5	46.1	29.842	47.7 } 45.8 }	SWbW		4½	0.0133	—	b. V. V.	KS. K.	
23	34.1	41.1	29.957	33.3 } 33.2 }	Nb		1	0.0393	0.054	o. m.	S. KS.	
24	38.	41.	29.128	37.5 } 36.4 }	WbS		4	0.0303	0.038	b. V.	K. CK.	
25	34.	38.3	28.915	33.4 } 31.6 }	HTW		2+	0.0573	—	b. V.	CK.	
26	32.	35.2	29.096	31.4 } 28.7 }	N		3	—	—	b. V.	KS.	Hyg. frozen
27	25.6	35.7	29.150	24.5 } 24.6 }	NWbW		1	do	do	b. m.	KS. CS. CK.	do
28	25.4	32.4	29.423	24.6 } 24.6 }	NW		1½	do	do	o. snow falling		do
29	36.	34.9	29.741	35.3 } 35.3 }	SWbW		5+	do	do	o. V.		
30	45.3	40.4	29.808	44.7 } 44.7 }	SW		5	0.3053	0.480	o. V.	S.	
31	48.1	44.2	29.810	48.3 } 47.3 }	SW		5	0.5043	0.002	o. V.	KS.	
mean	40.84	41.93	29.503	40.34 } 39.45 }				2.4577	3.862			
				0.91				3.0465				

1856	9 Pm				Wind		Max	Min	mean dew point = 38°.60	
Deer	E	A	Bar	Hyg.	Dir.	Force	T	T	mean humidity = 0.929	
1	32.	37.1	29.863	31.53	WSW	1+	36.1	30.	0. V.	KS. Nys frozen
2	35	37.6	29.600	34.33	SW	1½	36.5	32.	0. m.	KS.
3	29.	37.1	29.801	28.01	NWbN	1½	37.6	28.6	b. m.	Nys frozen
4	33.9	36.2	29.462	33.43	NW	1	35.3	26.	0. m.	KS.
5	50.9	46.	28.687	50.33	SW	6	52.2	33.1	0. m. q.	K.
6	50.	46.7	28.810	49.72	SW	5½	55.6	47.	0. m.	Rain n.
7	54.3	50.4	28.848	54.02	SWbS	6	56.6	48.9	0. V.	KS. K.
8	51.8	50.	28.773	51.43	S	4	55.	48.	0 n	Rain
9	49.2	49.	28.550	49.83	SW	12	55.5	47	0 thin cirrus	hale round J
10	46.1	47.	29.005	45.33	SW	5	50.1	46.	0. VV.	KS.
11	43.	45.4	28.843	42.33	SESE	2	46.7	38.	0. V.	K
12	42.	45.4	28.610	41.43	NW	2	45.9	41.1	0. rain.	n.
13	42.5	45.	29.131	42.33	NW	2	45.	40.6	0. VV.	K. KS.
14	39.	43.	30.002	38.23	NWbW	2	45.6	38.4	b. VV.	
15	36.	45.	30.290	35.63	SW	4	39.8	31.2	b. V KS	
16	44.8	43.	30.203	41.33	SWbS	7	45.	35.3	0. V.	KS.
17	48.5	46.	29.822	48.33	SW	7	50.	43.6	0. q. q.	Rain n.
18	37.6	43.4	30.139	36.63	NW	5½	48.8	37.4	b. V.	
19	47.3	44.	30.234	47.33	WbS	4	48.3	33.4	0.	
20	47.	45.4	30.263	47.23	WSW	4	48.8	42.1	0. V.	KS.
21	47.	47.	30.062	46.43	SW	6	48.6	46.5	b. q.	K. KS.
22	47.8	45.8	29.908	46.43	N	2+	50.4	40.	b. V.	KS. S.
23	37.	40.4	29.553	36.63	SWbS	5	40.4	35.4	b. V. q.	KS.
24	35.	40.2	28.780	34.43	NWbW	5½	41.4	34.8	b. V.	KS.
25	31.	37.8	28.978	33.73	N	1½	37.	30.3	b. VV.	S.
26	32.1	36.8	29.163	31.73	N	3½	35.	29.5	0. snow falling	Nys frozen Do
27	25.1	34.	29.239	24.93	NWbW	1	32.5	25.3	fog.	
28	30.6	34.4	29.700	29.73	WbN	1½	34.2	20.4	b. VV.	S in E
29	43.4	38.	29.775	42.83	SW	8	43.4	26.8	0. rain.	n.
30	49.	43.1	29.853	48.63	SW	5	50.5	42.2	0. q.	KS.
31	48.2	46.	29.689	48.73	SWbW	7	51.9	46.3	b. V.	KS. (at 9 ^h 25 ^m)
mean	41.23	42.78	29.472	40.692			45.14	36.94		
				39.785		91				

1856	Term Observations				Wind		Rain		
Dec	E	A	Bar	Hgt	Dir	Force	Square	Round	
22 nd 6 Am	46.2	46.	29.878	46.73	SW	47	—	—	b. v. g. ks.
7 Am	47.	46.1	29.857	46.73	SW $\frac{1}{2}$ W	32	—	—	o. v. g. ks.
8 Am	47.1	46.	29.847	46.73	SW $\frac{1}{2}$ W	34	—	—	o. v. g. K
9 Am	47.5	46.1	29.842	46.73	SW $\frac{1}{2}$ W	53	—	—	b. vv. K. ks.
10 Am	48.3	46.3	29.835	46.73	SW $\frac{1}{2}$ W	40	—	—	o. vv. K.
11 Am	49.	46.8	29.823	46.73	SW $\frac{1}{2}$ W	63	—	—	o. v. K.
Noon	50.	47.	29.801	47.73	WSW	65	—	—	o. v. K
1 Pm	49.7	47.1	29.781	47.73	WSW	82	—	—	o. v. K.
2 Pm	49.4	47.1	29.773	47.73	WbS	74	—	—	o. v. KS. K
3 Pm	49.1	47.	29.769	47.73	WSW	65	—	—	o. v. K
4 Pm	49.	47.	29.765	49.73	WbS	46	—	—	o. vv. h. ck. ks.
5 Pm	43.3	47.	29.819	47.73	N	62	0.028	0.044	rain n. at 3.30 th the wind changed & the rain commenced
6 Pm	42.1	46.8	29.843	41.33	N	125	0.009	0.009	o. v. ks.
7 Pm	42.	46.3	29.865	41.13	N	70	0.001	0.001	b. v. g. ks.
8 Pm	41.9	46.1	29.888	40.93	N	102	0.001	—	o. v. ks.
9 Pm	40.	45.8	29.908	39.73	N	141	—	—	b. v. ks. s.
10 Pm	39.7	45.4	29.900	38.43	N	134	—	—	b. v. ks
11 Pm	40.	45.	29.933	36.63	N	100	—	—	b. v. KS. K.
12 Pm	39.	45.	29.953	36.73	N	103	—	—	b. v. KS.
23 rd 1 Am	37.2	44.4	29.942	35.23	N	137	—	—	b. v. S.
2 Am	36.	44.1	29.959	35.23	N	212	drop	—	b. v.
3 Am	35.5	43.8	29.968	34.43	N $\frac{3}{4}$ E	260	—	—	b. horizon dash. slight crispness on board
4 Am	35.	43.	29.986	33.53	NE	220	—	drop	b. horizon dash. boards rimed
5 Am	34.6	42.5	29.989	33.23	NE	270	—	—	b. v. KS v. fog?
6 Am	34.9	42.1	29.987	32.73	NE	197	—	—	b. v. KS fog?

1856	9 A.M.			9 P.M. -			Rain		Vapour	Wind		Thermometers	
	E	A	Bar	E	A	Bar	Square on Sain	Globe	Hendon	Force	Dir	Max	Min
Jan ^y	36.79	39.37	29.382	37.40	39.47	29.418	2.301	2.262				5 - 47.9	14 - 20.0
Feb	41.39	41.62	29.738	42.04	42.99	29.741	1.622	2.271				23 - 53.6	2 - 25.3
March	41.12	41.87	30.026	39.68	43.69	30.001	0.829	0.752				31 - 53.9	30 - 28.5
April	47.46	46.40	29.559	44.60	48.69	29.548	1.056	1.046				25 - 59.8	16 - 34.1
May	50.96	50.06	29.646	47.68	51.86	29.649	3.218	3.011				28 - 63.6	3 - 35.0
June	56.45	55.39	29.794	53.88	57.36	29.816	2.018	2.089				26 - 75.4	15 - 43.2
July	59.07	58.29	29.738	56.71	60.57	29.739	1.534	1.492				31 - 76.4	10 - 43.5
August	61.81	62.21	29.701	59.49	63.89	29.676	2.635	2.689				4 - 83.1	18 - 47.2
Sept ^r	53.47	54.26	29.624	51.71	56.04	29.618	3.149	3.487				10 - 66.1	26 - 41.7
October	52.15	52.61	29.882	51.63	53.69	29.897	1.424	1.490				13 - 62.6	9 - 41.0
Nov ^r	44.05	45.90	29.956	43.31	46.17	29.936	1.384	1.466				1 - 56.6	30 - 26.9
Dec ^r	40.84	41.93	29.524	41.23	42.78	29.490	3.546	3.862				7 - 56.6	28 - 20.4
Summer	55.64	56.45	29.796	53.49	57.21	29.733	13.178	14.258					
Winter	41.90	42.82	29.700	41.34	43.94	29.688	10.738	11.659					
Year	48.80	49.18	29.748	47.46	50.61	29.710	24.716	25.917					

	Rain Days	Mean Ther	Mean Bar										
Jan ^y	20	37.10	29.400										
Feb ^y	17	41.71	29.739										
March	9	40.40	30.014										
April	15	46.03	29.553										
May	18	49.31	29.648										
June	22	55.16	29.805										
July	21	57.89	29.739										
Aug ^t	15	60.65	29.689										
Sept ^r	19	52.59	29.621										
Oct ^r	13	51.89	29.889										
Nov ^r	19	43.68	29.946										
Dec ^r	18	41.04	29.507										
	206												

Mean Temperature of Year = 48.13
 Max - - - - - = 83.1
 Min - - - - - = 20.0

Mean Barometer - - - = 29.729
 Max (on March 2) = 30.533
 Min (on Jan^y 24) = 28.447

on Dec^r 9 at 2.30^m P.M. = 28.400

For 1886 Summ $\frac{1}{45}$
 with $\frac{1}{90}$
 Yea $\frac{1}{60}$

Yrly gross = 25.917