

1857	9 Am				Wind		Rain		mean dew point = 34°.25	
Jan 5	E	A	Bar.	Hygr	Dir.	Force	Square	Round	mean humidity = 0.909	
4	1	48.6	46.	29.682	48.5	SW	6	0.0223	0.105	b. v. K. CK. KS.
	2	40.	42.	29.300	47.4	SW	8	0.057	0.057	b. v. q. K. CK. KS.
	3	38.	42.1	28.777	37.3	NE	8	0.023	0.532	o. m. heavy rain. n.
⊙	4	38.	40.4	29.332	37.8	NE	5	0.358	1.370	b. v. q. K. CK. KS.
	5	32.	36.	30.031	35.6	SE	4	0.274	—	b. v. K. KS. CK. (Muz. frozen)
	6	34.	36.1	30.110	31.2	ESE	4	0.674	—	o. v. KS. S. <u>Do</u>
	7	38.	37.	30.054	33.4	SE	7	—	—	b. v. S. K. KS.
	8	42.	39.9	29.990	36.4	SW	3	0.0113	0.037	o. m. S. KS.
	9	49.6	44.1	29.590	41.7	SW	5	0.027	0.298	o. v. q. rain n. KS.
	10	44.	44.8	29.338	49.5	Wb N	4	0.135	0.254	b. m. v. cs.
⊙	11	42.9	43.6	29.168	42.6	W	2	0.955	0.457	b. v. cs. KS. C (at 9 ^h 20 ^m)
	12	33.9	39.2	28.887	41.2	SE	2	0.345	—	o. m. S. CS. K.
	13	37.4	39.1	29.384	33.9	WNW	2	0.420	0.036	b. v. CK. CS. S.
	14	31.8	37.1	29.935	37.6	NW	3	0.034	—	b. v. C. CS. in NW
	15	37.2	40.	29.781	31.7	SW	3+	0.079	0.170	b. v. m.
	16	38.	40.	29.963	36.7	Wb S	3½	0.124	0.001	b. v. cs. S.
	17	45.2	42.3	29.974	37.3	SW	4	0.801	0.019	o. m. drizzle.
⊙	18	46.	44.	29.953	36.9	SW	5½	0.003	0.001	b. v. C. CS. S.
	19	38.1	43.7	30.140	45.8	W	3	0.007	0.035	b. v.
	20	35.5	39.	29.163	37.2	SWbW	6	0.009	0.473	b. v. q. K. CK. KS. (elect at 9½ ^h)
	21	34.5	39.1	29.395	35.5	NW	4	0.126	0.095	o. v. rain n. (elect at 8½ ^h)
	22	35.1	38.6	29.582	34.7	NbW	7	0.049	0.244	o. m. rain. n. (Do)
	23	37.	39.2	29.135	34.4	WNW	8	0.180	0.275	b. v. q. CK. K
	24	40.9	38.7	29.219	36.1	NbW	5	0.049	0.171	b. v. q. K. CK.
⊙	25	38.2	38.8	29.583	34.4	N	4	0.153	0.004	b. v. q. KS. CK. C.
	26	31.6	35.3	29.813	37.6	N	1½	0.001	—	b. v. S. CS. C
	27	34.2	36.4	29.874	30.6	Wb S	1	—	—	o. m. K. CK. KS. a little snow on ground
	28	24.7	32.6	29.787	33.5	NbW	2	frozen	frozen	b. v. m. K. CK. KS. Muz. frozen
	29	24.5	31.2	29.739	32.2	Wb S	2	Do	Do	o. m. <u>Do</u>
	30	35.9	35.3	29.372	25.3	SWbS	5	Do	Do	o. m. KS. S. n. light rain
	31	32.6	35.5	29.532	23.2	Wb S	3+	Do	Do	b. v. n. K. CK snow on ground & falling
mean		37.47	39.23	29.599	36.967			2.415	4.634	
					35.875			3.270		

1857	9 Pm				Wind	Max	Min.	mean dew point = 35° 56	
Jan ^y	E	A	Bar:	<i>Mys</i>	Dir	T	T	mean humidity = 0.932	
1	45.8	46.3	29.372	45.43	SW	8	50.8	45.2	b ₁₀ v. Thin stratus
2	39.	42.4	29.301	42.7	SW	3	46.4	38.4	b. v. S
3	38.3	40.2	28.858	38.53	NW	4	40.1	34.9	b. m. v. rain n.
4	35	38.7	29.753	37.2	SE	5	40.3	34.	o. v. K. KS (at 9 ^h 15 ^m)
5	32.7	35.6	30.075	34.51	SE	2	35.2	30.	o. v. K.
6	34.1	36.9	30.118	32.23	SW	0	30.	31.5	o. v. K.
7	40.5	38.4	29.932	30.49	S ¹ / ₂ W	5	40.7	36.1	o. v. g. KS. (at 9 ^h 20 ^m)
8	44.	44.	29.845	40.37	SSW	5	46.2	39.4	o. v. K. KS
9	50.5	46.9	29.166	43.1	SW	7+	58.5	43.	o. v. g. K. S.
10	44.7	45.	28.630	50.43	W	2	51.1	43.	o. v. S. KS.
11	37.	43.	29.152	49.1	W	2 ¹ / ₂	48.3	36.9	b. v. CS. S.
12	34.5	39.5	29.050	43.5	NE	1	37.2	31	o. fog
13	35.	39.8	29.747	36.4	NW	2	41.	34.	b. v.
14	38.	38.4	29.728	35.7	SW	6	38.6	31.	o. g. g. d. n.
15	37.7	41.7	29.871	33.9	SW	2	44.2	36.8	b. v. m.
16	40.1	41.3	30.015	33.8	W	4+	45.4	35.7	o. v. KS.
17	47.1	44.1	29.976	32.5	SW	3+	49.	39.	b. f. g. KS
18	47.9	46.	29.930	37.5	W	4	51.6	42.5	o. rain n.
19	41.8	43.	29.741	36.4	SW	7	50.3	38.1	o. g. g. K. Bar: heaving
20	35.5	40.3	29.086	41.4	SW	1	43.1	34.6	o. g. K.
21	39.1	40.5	29.745	38.8	NW	2	42.2	32.4	b. v. S
22	43.	41.	29.273	34.7	W	5	47.4	34.	b. v. g. S.
23	39.	39.	29.058	38.4	NW	6	43.	34.2	b. g.
24	39.8	39.	29.383	35.3	N	6	42.2	35.	o. g. g. K. Bar: heaving
25	34.9	37.8	29.748	35.4	N	4	42.	33.8	b. v. S. at 9 ^h 20 ^m
26	29.5	36.9	29.910	34.2	NW	1	36.7	29.8	b. v. S.
27	31.4	36.	29.820	33.2	N	2	39.5	29.4	b. v. S.
28	28.8	34.5	29.715	30.9	W	1 ¹ / ₂	34.6	24.8	o. m. KS.
29	31.5	34.1	29.661	28.6	SW	4+	33.1	23.	o. v. snow falling. <i>Mys</i> frozen
30	33	35.5	29.345	27.6	W	2	37.5	29.5	b. v. h. KS. KS. (at 9 ^h 30 ^m)
31	30.	35.7	29.712	32.3	W	3	34.8	29.5	b. v. CS. C frequent snow-showers during the day
mean	38.04	39.95	29.572	37.567	mean	42.45	34.52		
				36.153					

1857	9 Am			Hg	Wind		Rain		mean dew point = 37°.64	
Feby	E	A	Bar		Dir	Force	Square	Round	mean humidity 0.902	
1	34.	34.2	29.671	33.5	SSW	3	frozen	frozen	0. V.	S.
2	37.	39.	29.037	36.8	WbS	3	0.302	0.500	0. V.	K. KS.
3	35.	36.3	29.553	36.7	NbS	3	0.460	0.038	0. m.	K. KS.
4	31.9	33.4	29.967	33.5	SbW	4	0.020	—	b. m.	S. K. CK. Wet bulb frozen
5	45.	39.	29.640	31.3	SbW	5	0.038	0.276	0. V.	K.
6	42.	40.5	29.512	44.8	W	2½	0.198	0.032	0. m.	S.
7	43.	43.1	29.176	41.9	SSW	6	0.021	0.021	0. V. m. d.	KS. N.
8	36.7	37.	29.259	41.6	SSW	6½	0.013	0.054	0. V. g.	S.
9	45.4	41.7	28.917	36.1	S&bs	12	0.014	0.021	0. m. gg.	rain. n. Bar heaving very much
10	37.1	38.4	29.055	43.1	SbW	10	0.013	0.027	b. V. g.	S. KS.
11	41.1	40.4	29.402	37.7	SW	5+	0.028	0.175	0. V. g.	S. KS. K.
12	37.4	38.6	30.083	34.8	SWbW	4	0.093	0.047	b. V.	C. CS.
13	43.	41.5	29.945	37.1	SWbS	4½	0.015	—	0. V.	S. KS.
14	44.2	43.6	29.911	35.4	SSW	5	0.030	—	b. V.	K.
15	32.	38.6	29.962	41.8	NW	2	—	—	b. m.	Nyg. frozen
16	41.6	40.6	29.762	31.4	S&bs	4	—	—	0. V.	KS. S
17	46.	43.3	29.619	41.3	S	5	0.026	0.050	b. V.	K. CK. CS.
18	42.7	42.9	29.748	39.6	SbW	5	0.038	0.062	b. V.	K. KS.
19	42.1	43.	29.982	44.4	NbW	1	0.053	0.014	0. m.	KS.
20	38.	42.	29.893	42.7	NbE	1	0.010	—	fog	—
21	48.6	45.1	29.641	37.4	SSW	7+	0.016	0.183	0. m.	rain. n. (at 9.15)
22	48.3	46.3	29.581	37.2	SbW	9	0.182	0.160	b. V. gg.	K. CK. KS. Bar: heaving very much
23	37.3	40.	30.044	48.6	SW	3	0.061	0.312	b. V.	—
24	43.4	43.	29.812	36.7	SbE	6	0.224	—	b. V.	K. CK. KS. S.
25	39.9	43.2	30.023	35.4	SW	3	—	0.084	b. V.	K. CK. C.
26	40.	40.2	30.148	39.6	SW	7½	0.040	—	0. V.	g. S. CS.
27	49.	45.4	30.033	38.5	SWbS	4+	0.070	0.015	0. V.	K. KS.
28	44.	44.6	30.330	36.8	SWbW	2½	0.003	—	fog.	—
				47.8						
				43.7						
				43.4						
mean	40.92	40.89	29.704	40.60			0.826	2.068		
				39.33		sum	1.643			

1857	9 PM			Height	Wind		Max.	Min.	Mean dew point = 37.27	
Feb 5	E	A	Bar.		Dir	Force	T	T	Mean humidity = 9.53	
1	39.3	37.9	29.235	39.3	SE	8+	39.6	29.	0. V. q. KS. Bar: heaving	
2	35	37.2	29.254	38.63	W.N	3	41.9	34.	0. V. CS. KS	
3	31.2	36.	29.867	33.23	ENE	1	37.	30.5	b. m. K	
4	36.6	36.4	29.808	36.3	SW	7	36.8	29.	0. rain n.	
5	46.2	41.6	29.487	35.63	SW	7	47.7	35.6	0. V. d. K. n.	
6	44.5	42.3	29.328	46.13	SSW	4	46.9	39.4	0. V. K.	
7	35.5	39.7	29.269	44.23	SSW	6	47.4	35.	b. V	
8	38.7	39.4	29.203	38.33	SE	5	42.7	33.5	b. V. q. K. CK.	
9	39.2	41.1	28.845	38.13	SW	5	46.7	37.3	b. V. q. C.S. CS (at 9.50 m)	
10	41.7	40.4	29.218	36.73	SW	6	42.	31.7	b. V. q. K. CK.	
11	36.8	40.	29.851	41.13	W	3	46.6	36.7	b. V.	
12	42.1	42.	30.073	36.13	SWW	7	46.1	35.	0. V. S.	
13	45.7	43.8	29.890	34.43	SSW	4+	48.4	40.3	b. q. S	
14	39.3	44.	29.961	45.23	SWbS	3 1/2	49.6	39.1	b. V	
15	37.4	40.7	29.845	37.43	SEbE	2	42.2	30.	0. q. K. K.S.	
16	43.	42.8	29.724	35.13	SE	2+	41.3	36.7	0. V. KS.	
17	41.	44.3	29.680	42.63	SW	3	50.6	41.	b. V.	
18	41.6	43.9	29.838	40.53	SW	1 1/2	47.6	39.7	b. V. KS.	
19	41.4	44.	29.997	40.23	SEbE	0	48.1	41.	0. V. KS.	
20	41.9	43.3	29.809	41.33	SE	6+	46.5	36.6	b. V. KS.	
21	50.2	47.1	29.694	41.43	SW	8.	51.7	41.2	0. V. q. K. KS.	
22	39.3	44.8	29.827	39.43	SWbS	3	50.9	39.3	b. V. S.	
23	38.5	43.	29.961	38.53	SE	6	45.4	34.	b. V. q. S.	
24	44.3	45.2	29.807	37.63	SE	5	50.6	36.7	0. V. KS.	
25	36.3	44.7	30.217	35.23	W	3	48.	36.3	b. V.	
26	44.8	44.	30.010	34.53	SW	7	47.	35.5	0. V. q. KS. S.	
27	47.	47.	30.167	44.43	SWW	3	54.8	44.	b. V. KS.	
28	47.	45.7	30.405	46.73	WSW	0	50.5	41.2	0. V. KS. S.	
	46.5	30.218		45.43	S	5			b. V. CK. S	

mean	40.91	42.23	29.723	40.43			46.20	36.40		
				39.10	1-37					

1857	9 AM			Kind		Rain		mean dew point = 36.73	
Month	E	A	Bar:	Dir.	Force	Square	Round	mean humidity = 0.851	
1	45.4	45.4	30.393	NE	2	—	—	O. V.	KS.
2	45.	45.	30.311	SEBS	2	—	—	b. m.	
3	46.3	45.7	30.142	SSW	2 1/2	—	—	0. V.	K. KS.
4	45.4	46.	29.938	SWbW	4	0.0003	0.040	O. V. m.	KS.
5	42.1	41.7	30.078	SW	6	0.0013	0.021	b. W. g.	KS. S. n in SW
6	45.	43.6	29.847	WbS	4	0.0023	0.029	O. V.	S.
7	44.	43.9	29.633	WSW	5+	0.0053	0.004	b. V.	K. n in W
8	33.1	40.3	29.243	WbN	4	frozen	frozen	b. Y. CS. KS. n. ^{in W} Snow on ^{ground} frozen?	
9	38.4	38.2	30.002	N	2	0.1333	0.320	b. VV.	rain gauges partly frozen
10	36.5	37.	29.757	S	4	frozen	frozen	b. Y.	
11	37.3	39.2	29.595	WbS	2	0.1263	0.164	O. m.	KS.
12	37.	36.7	29.741	NWbN	4 1/2	0.	—	b. V.	S. CS.
13	44.	43.2	29.088	SW	2	0.1233	0.460	O. m.	rain n.
14	45.	42.4	28.093	SW	9	0.3083	0.540	b. V.	K. CK. n in SW: Bar heaving ^{much} very
15	36	39.1	28.826	WbS	7	0.8603	0.136	O. snow.	n.
16	40.4	39.	29.537	WbS	5	0.4043	0.276	b. VV. g.	S. CS. C.
17	45.	43.1	29.338	SSW	9	0.3033	0.008	O. V. g.	KS.
18	42.3	44.	29.437	W	1	0.0013	0.244	O. m.	rain n
19	40.2	40.3	29.730	NWbW	2	0.2033	0.030	b. V.	
20	48.	43.2	29.673	SE	3	0.0383	—	b. V.	K. CK
21	40.	43.7	29.897	EB S	7	0.0933	0.290	b. V. g.	K. CK
22	38.6	40.8	30.025	NNE	4	0.1903	—	O. VV.	K.
23	38.	39.3	29.632	N	5	—	—	O. V. g.	n. K. a little snow falling
24	35.4	38.	29.317	SBW	3	0.0013	0.018	O. m.	K. KS. ^{snow on ground} rain gauges partly frozen
25	33.7	39.	29.403	SE	3	frozen	frozen	O. g.	n. much snow falling
26	41.7	40.2	29.620	NEbN	1 1/2	0.8663	0.672	O. V.	K.
27	42.	41.	29.831	EBSE	1 1/2	0.8113	0.029	O. V.	K. KS. S.
28	41.5	41.	29.781	EBN	2	0.0303	0.001	O. m.	KS.
29	44.4	42.4	29.426	EB S	5	0.1083	0.147	O. m. d.	n.
30	46.4	43.7	29.018	SE	2	0.1233	0.155	O. V.	K. KB.
31	44.1	44.1	29.104	NbW	2 1/2	0.1443	0.068	O. m.	K. n.
mean	41.36	41.62	29.595			2.4267	3.932		
					sum	3.9065			

1857	9 Pm			Hyg	Wind		Max:	Min:	mean dew point = 36.62	
March	E	A	Bar:		Dir	Force	T	T	mean humidity = 0.896	
1	44.2	45.9	30.245	44.2	SEbS	1	48.1	44.2	0. V.	KS.
2	46.5	46.	30.263	46.3	SbE	2 1/2	49.5	43.	0. m.	KS.
3	45.8	46.	30.047	45.3	SW	3 1/2	50.	44.6	b. d.	K.
4	36.3	43.4	30.159	35.5	WbN	1	48.8	36.3	b. V.	CK.
5	45.7	44.1	29.857	45.2	WbN	4	49.4	34.8	b. V.	K.
6	43.7	44.7	29.735	43.3	SWbW	5	49.	41.	0. V.	K.
7	40.3	44.	29.547	40.3	WSW	6+	47.6	38.5	0. V. q.	KS. n. rain
8	35.	39.8	29.562	34.1	NWbW	3	41.	31.4	b. VV.	CK. K. { frequent S. n. o. - showers during day (moon light)
9	32.9	42.0	29.996	32.2	NE	1 1/2	42.5	32.8	b. m.	
10	38.	40.	29.488	37.6	S	8	42.8	31.	b. V. q. s.	
11	35.1	41.	29.839	34.3	N	2	46.4	34.9	b. V.	
12	44.3	42.5	29.390	44.6	S	10	45.	29.2	0. V. q.	K. KS.
13	37.7	42.3	28.977	37.1	WbS	6	45.2	37.4	b. V. q.	8 in W
14	40.	42.6	28.600	39.4	WbS	6	47.9	37.	0. V.	KS. K.
15	37.	40.	29.339	36.5	WbS	5	44.4	33.6	b. V. q.	S.
16	43.8	44.	29.478	43.3	S	7	50.4	34.1	b. V. q.	S in N horizon
17	45.9	44.6	29.328	45.6	SbE	4	47.7	42.1	0. d.	KS. n.
18	40.1	44.3	29.640	39.3	SE	2	48.	40.	b. V.	S. KS.
19	36.5	44.2	29.686	35.7	SEbE	0	47.6	33.7	b. V.	
20	47.4	47.6	29.753	47.2	ESL	5 1/2	43.4	35.6	0. q. d.	n.
21	37.	42.	29.985	36.2	E	9	48.4	36.7	b. V. q.	K. (at 9 1/2 P)
22	38.	41.	29.895	37.5	NEbN	3	42.2	35.	0. q.	K.
23	33.7	40.	29.364	33.3	NEbE	1	40.7	33.4	b. V.	KS. S. Frequent & heavy snow showers during the afternoon
24	35.	41.	29.395	34.1	SE	2	43.7	29.6	b. V.	S in S horizon
25	39.5	39.	29.400	38.5	NE	4	39.8	32.	0. q.	light rain. n.
26	41.4	41.1	29.717	41.2	NEbE	1	44.7	39.	0. q.	KS. n. light rain
27	41.1	41.5	29.835	41.4	EbN	1	43.7	39.2	0. q.	KS. K.
28	42.	42.6	29.661	41.7	EbN	3	46.	39.4	0. m.	rain. n.
29	45.4	43.3	29.133	45.3	ESE	2	46.4	41.5	0. m.	KS.
30	44.7	45.	29.827	44.6	NEbN	1	51.	43.	0. V.	K. KS.
31	40.	44.8	29.237	39.4	NbW	1	49.3	40.4	b. V.	CS. S
mean	40.45	42.92	29.626	39.93			46.15	36.92		

1857	9 Am			Ther	Wind		Rain		mean dew point = 41° 46'	
April	E	A	Bar:		Dir	Force	Square	Round	mean humidity = 0.845	
1	43.9	41.4	29.151	43.4	E b S	3	0.0063	0.001	b. V.	S. CS. KS.
2	43.3	44.1	29.003	43.2	E S E	7+	0.2223	0.330	0. m.	rain. n.
3	43.1	43.6	29.373	42.8	N	3	0.4533	0.565	0. V.	K. KS.
4	47.	44.7	29.503	46.9	E b S	3	0.0033	0.020	0. V.	K
5	47.2	45.4	29.660	45.0	E b S	4	0.0183	0.140	0. m.	KS.
6	44.	44.8	29.487	44.5	N E b E	3	0.0033	—	0. V.	KS.
7	47.7	46.	29.653	47.4	E	0	—	—	0. m.	d. n.
8	49.	46.2	29.534	46.7	SW	5	0.2883	0.282	0. V.	K.
9	47.	46.3	29.255	46.8	S E b E	3½	0.1223	0.224	b. V.	K.
10	48.6	47.5	29.244	48.1	SW	2½	0.0683	0.096	0. m.	rain n.
11	44.4	43.	29.334	43.8	W b S	7	0.0373	0.058	b. VV. q	K. CK.
12	42.	42.	29.130	41.3	SW b W	6	0.0683	0.117	b. VV.	K. CK.
13	39.4	41.	29.027	38.7	NW b S	4	0.0303	0.160	b. VV.	K. CK. CS.
14	43.1	41.1	29.215	43.7	NW	3	0.0163	0.017	b. VV.	K.
15	41.	41.4	29.307	40.2	NW b W	1½	0.0033	0.001	0. VV.	K. KS.
16	44.5	41.4	29.500	44.2	E b S	3	0.0043	0.010	b. VV.	K.
17	48.7	46.	29.219	48.6	S E b S	9	0.4203	0.226	0. m.	qq. rain. n. Bar. heaving
18	51.2	46.1	29.438	51.4	S b E	6	0.2103	0.416	0. V. q.	K. KS
19	52.7	48.4	29.530	52.9	SSW	5	0.0683	0.080	b. V. q.	K. CK.
20	52.	48.7	29.961	52.2	SW	4	0.0023	0.007	0. V. q.	K.
21	51.	48.1	30.173	50.7	W	2½	0.2963	0.248	0. V.	K.
22	52.8	50.	29.883	52.8	W b S	3	0.1033	0.155	0. V.	KS.
23	41.3	47.9	29.792	41.3	E b S	5	0.2553	0.406	0. m.	rain. n.
24	45.9	46.1	29.658	45.1	SSW	3½	0.3683	0.287	0. m.	rain n.
25	45.2	45.4	29.368	45.1	E b S	4	0.2373	0.316	0. m.	light rain K. n. KS
26	43.7	44.2	29.892	43.8	E b E	2½	0.0513	0.087	b. VV.	K (at 9.10 ^{pm})
27	46.1	43.5	30.005	45.8	S E b S	2+	drops	drops	b. VV.	K. CK
28	47.	45.3	29.830	46.2	SW b W	2½	0.0923	0.151	0. rain	n
29	46.3	45.	29.959	46.2	E	4	0.2683	0.208	b. h.	K. CK.
30	49.	45.	29.925	48.5	W	2	0.2293	—	b. V. h.	C. CS. S
mean	46.27	44.99	29.535	45.99			Sum 3.383	4.580		
				43.89		2.10	4.392			

1857	9 Pm				Kind	Max	Min.	mean dew point = 37.80	
April	E	A	Bar:	Hyg.	Dir: Force	T	T	mean humidity = 0.812	
1	43.5	46.1	29.040	43.3	SE	2	51.	35.2	o. y. rain n.
2	42.6	44.6	29.195	42.2	SE	3 1/2	46.3	42.2	o. m. rain n. rain all day without ceasing
3	44.3	45.	29.477	44.1	NNE	2	46.6	41.2	o. m. Ks.
4	46.4	45	29.426	46.3	EbN	2	48.	43.4	o. m. K.
5	44.	45.8	29.449	43.9	NbE	3	48.3	43.5	o. m. d. n.
6	46.	47.	29.575	46.2	NbE	1	51.3	42.	o. y. Ks.
7	47.1	47.	29.660	46.8	SWbS	3	51.8	44.	b. v. K. Ks. Cs.
8	46.5	48.6	29.330	46.1	SWbW	4	58.4	43.6	b. v. K. CK.
9	48.6	48.9	29.316	48.4	SS E	5	53.4	42.4	o. y. q. rain Ks: n.
10	40.2	46.5	29.322	39.5	NW	3	50.2	40.	b. v. S.
11	37.	43.	29.260	36.4	W	4	48.9	34.9	b. v. q. S.
12	36.1	41.9	28.829	35.3	WNW	2 1/2	44.6	34.	b. v. S.
13	38.2	43.6	29.119	37.2	N 1/2 E	3	48.5	32.8	o. g
14	39.	44.	29.319	38.2	NW	2	48.7	33.2	b. v. S. in NW hor.
15	41.	43.6	29.420	40.4	EbN	1	44.5	34.	b. v. K. Ks.
16	42.5	44.8	29.518	42.1	SEbS	5	50.	34.	b. v. S.
17	45.5	46.2	29.385	45.1	S	5 1/2	52.6	41.7	b. v. q. S.
18	49.7	45.4	29.492	49.6	S	5	57.	44.6	b. v. q. S.
19	48.4	51.1	29.743	48.3	SWbS	4	61.5	45.	b. v. q.
20	44.8	49.5	30.117	44.3	WbN	4	56.7	44.	b. v. Thunder showers during the day at 10.4 40 m
21	48.2	50.	30.079	48.1	WbS	4	55.2	43.	o. g. r
22	47.5	50.5	29.890	47.4	NbN	1 1/2	56.3	47.6	o. g. K.
23	43.	46.7	29.873	42.7	SE	0	48.4	40.	o. g. K.
24	43.	45.7	29.488	42.4	NbN	1	47.6	41.4	b. g. K. CK.
25	42.5	40.6	29.581	42.2	EbS	5	50.9	39.	o. g. Ks.
26	42.5	47.	30.007	42.5	SEbS	0	48.	37.4	b. v. K. Ks.
27	42.1	47.	29.953	42.2	SbW	5	53.7	34.5	b. v. Ks. S
28	42.6	46.8	29.845	42.2	NNE	2+	53.4	40.6	o. 2 rain or.
29	44.	48.3	29.981	43.8	SEbE	2	51.5	39.	b. v. K. Ks.
30	46.	49.7	29.979	46.3	SbW	2	56.1	37.	o. y. K.
mean	43.76	46.39	29.525	43.41			51.18	39.84	

[illegible]

1857	9 Pm				Wind		Max:	Min:	mean dew point = 45.12	
May	E	A	Bar:	Hyz?	Dir	Force	T	T	mean humidity = 0.910	
1	45.	48.7	29.985	44.5	N	1	52.8	42.	b. VV.	K. CK. S.
2	46.1	51.	30.039	42.4	E	2+	58.	41.	b. V.	K. CK.
3	43.7	48.1	30.113	43.6	NE	3	49.2	37.6	b. Y.	K.
4	43.	49.1	30.197	43.3	NNE	3	53.	37.6	b. V.	
5	43.8	50.	30.160	41.3	SEbE	1	55.	37.7	b. VV.	S. CS.
6	45.6	51.4	30.137	40.	NbbE	2	59.	39.8	b. Y.	KS in NW horizon
7	49.5	52.1	30.015	41.2	SEbE	2½	58.2	38.9	b. Y.	K. KS. CK.
8	43.	49.4	29.853	42.8	ENE	2	50.4	42.1	b. V.	CS.
9	46.	50.	29.693	42.5	NbbE	2	53.9	38.7	b. V.	K: CK.
10	52.	53.	29.597	42.2	E	5	59.	43.5	b. Y.	KS.
11	48.6	51.6	29.606	42.8	E	2½	54.1	44.4	b. Y.	K. KS
12	51.8	53.	29.641	45.5	SE	6	59.6	46.8	b. Y.	KS.
13	54.4	53.2	29.711	51.8	SEbS	6	63.4	51.6	b. Y.	light rain KS. n.
14	54.	56.	29.773	54.6	S	4+	62.5	52.7	b. V.	C. CS. CK.
15	54.3	56.4	29.983	50.7	W	0	64.6	48.	b. V.	K. CK.
16	54.7	57.1	29.906	52.2	SWbS	2	62.3	54.	b. m.	rain - n.
17	52.9	57.	29.866	54.6	WbN	0	64.2	50.7	b. VV.	K. C. CK.
18	53.1	56.2	29.647	52.8	SWbW	5	61.9	48.	b. V.	KS. S.
19	56.6	58.2	29.415	53.1	SSW	9	64.3	50.7	b. V.	S. n. light rain
20	49.4	54.	29.416	48.8	SWbS	4	58.8	49.8	b. VV.	S. C. CS. (at 9 ^h 10 ^m)
21	48.7	53.4	29.425	55.2	SSW	2	58.	45.1	b. V.	CS. S.
22	50.1	54.2	29.609	49.2	S	3	60.2	44.2	b. VV.	CS. KS. {Thunder lightning at 2 pm}
23	48.2	54.8	29.371	46.6	NNE	2½	60.4	43.1	b. Y.	KS. n.
24	52.3	54.1	29.283	47.1	SbE	5	65.	48.5	b. VV.	KS. CS. K.
25	54.6	57.3	29.235	52.2	NE	3	63.5	46.5	b. V.	CK. K. KS
26	54.7	57.0	29.410	50.5	E	2+	63.4	47.5	b. V.	CK. CS. K. S.
27	54.	57.	29.591	54.3	SE	3	62.	49.4	b. Y.	S. CS.
28	54.1	59.7	29.780	51.3	EbS	1	64.3	51.3	b. Y.	KS. S. CS.
29	53.7	59.4	29.910	54.4	E	1	65.6	46.1	b. Y.	S. C.
30	54.8	60.3	29.900	50.9	SE	2	66.5	47.	b. V.	S. CS.
31	54.7	58.	29.847	52.8	SE	2+	61.3	49.	b. Y.	S. KS.
mean	50.56	54.28	29.747	50.37			59.82	45.59		
				47.72						

1857	9 Apr			Hygr	Wind		Rain		mean dew point = 52.27	
June	E	A	Bar:		Dir	Force	Square	Round	mean humidity = 0.757	

D	1	54.2	56.1	29.804	54.23	SEbS	5	0.0883	0.097	0. Y. g.	S. KS.
	2	57.2	56.	29.647	57.13	SE	4	—	—	0. Y.	K. S. KS.
	3	61.	58.1	29.624	60.23	SW	4	0.1163	0.155	6. Y.	K. CK.
	4	61.8	59.	29.753	61.73	SW	4	0.0863	0.112	0. Y.	K.
	5	61.	59.	29.684	61.33	S	5	0.0233	0.027	0. Y. g.	S. CS. KS.
	6	61.5	58.1	29.901	61.63	WSW	1	—	—	6. V.	K.
⊙	7	55.1	57.5	29.657	55.23	SEbS	2	—	—	0. Y.	K. KS. CK.
	8	54.5	57.1	29.250	54.63	W	4	0.3203	0.376	0. m.	heavy rain - n.
	9	56.	55.6	29.481	56.13	WSW	2	0.3703	0.384	0. Y.	K. KS.
	10	55.3	54.7	29.346	55.33	WNW	2	0.3063	0.174	0. Y.	K. n. light rain
	11	52.3	54.2	29.787	52.53	NbW	4	0.4103	0.160	6. V.	K. CK.
	12	51.5	51.4	30.010	51.23	NEbE	0	0.2263	—	6. V.	K. CK.
	13	54.6	54.1	30.011	54.63	S	4	0.1923	0.019	0. Y. d.	KS. n.
⊙	14	58.1	55.3	29.900	58.23	SEbE	4 1/2	0.0193	—	6. V.	CS. C.
	15	60.	56.	29.815	60.63	E	4	—	—	6. V.	—
	16	58.1	56.3	29.987	58.83	EbN	4	—	—	6. V.	—
	17	62.1	57.	30.085	62.33	NEbN	4	—	—	6. V.	—
	18	64.	59.2	30.150	64.43	NEbN	2 1/2	—	—	6. V.	—
	19	62.8	60.3	30.075	62.73	EbE	4 1/2	—	—	6. V.	—
	20	59.1	62.	29.855	59.63	E	4	0.0243	0.033	0. Y.	light rain. n. K. KS.
⊙	21	62.1	61.8	29.878	62.23	EbE	3	0.0453	0.023	0. Y.	rain n.
	22	62.3	62.5	29.940	62.43	SSW	2	0.0223	0.003	0. Y.	KS. K. S.
	23	65.	64.3	30.066	65.63	SSW	2 +	0.0053	0.003	0. Y.	K.
	24	68.	65.1	30.138	68.13	W	0	0.0023	—	0. Y.	K.
	25	71.	66.3	30.250	71.63	SSW	0	—	—	6. V. h.	C. CS. KS.
	26	72	67.	30.197	72.63	SWbW	2 1/2	—	—	6. V. h.	CS. CK. rain horizon
	27	68.5	68.	30.000	68.13	NbW	1/2	—	—	6. V. h.	at 2 ^h Hyg ^r = 63.33
⊙	28	67.8	68.	29.726	67.93	NbW	2	—	—	6. V. m.	CS. K
	29	65.1	67.2	29.316	65.53	SWbW	1	0.1563	0.172	6. V.	K. KS
	30	54.9	66.	29.450	55.13	NEbE	4	0.1833	0.023	0. V. d. g.	KS

mean	60.56	59.77	29.825	60.633			sum	1.381	1.761		
				56.003				1.865			
				t - t' =	4.63						

1857	9 PM			Hyg.	Wind		Max.	Min.	mean dew point = 51.37	
June	E	A	Bar.		Dir.	Force	T	T	mean humidity = 0.786	
1	53.1	56.1	29.741	53.3	EbS	2	61.	51.1	O.Y.	KS. S.
2	54.	56.	29.585	54.1	SE	4	62.8	51.5	O.Y. h	KS
3	58.	60.8	29.658	57.2	S	4	67.8	51.1	O. rain.	K. N.
4	57.6	61.	29.763	57.6	SbW	3	67.5	50.6	b. Y.	C. CS. S.
5	59.	62.8	29.764	59.2	WSW	4	69.	54.8	b. V.	CK. K.
6	55.8	59.4	29.844	55.2	SbE	2	68.9	52.	b. Y.	C. CS. S
7	55.	59.2	29.371	55.6	EbS	1½	59.9	51.	O. m. rain	N
8	57.	56.	29.504	49.8	SWbW	2	57.7	51.3	b. V.	KS. CK. C.
9	51.6	50.6	29.333	51.4	WbS	2	56.1	49.2	b. V.	KS. CK. K.
10	51.	56.	29.607	50.2	NWbN	2	61.3	47.4	b. V.	KS. S. C. at 10.45 ^{m.}
11	45.4	55.6	29.937	45.7	S	2	57.	45.7	b. Y.	S. CS.
12	51.6	56.6	29.069	51.6	SbE	4	63.7	42.6	b. V.	K. CK. C.
13	57.2	57.5	29.955	57.5	SbW	2½	62.2	50.3	O. V.	K. KS.
14	55.6	59.	29.831	55.8	SEbE	3	64.4	55.3	b. Y.	S
15	56.5	61.	29.893	56.7	EbN	2+	65.3	48.1	b. V.	S in N.
16	57.3	61.3	30.053	56.7	ESE	1	60.6	48.4	b. V.	CS. in N. horizon
17	60.	62.5	30.135	60.9	NNE	1+	73.2	48.6	b. V.	CS. D
18	63.4	64.8	30.134	64.7	NNE	3	72.2	54.	b. V. h	
19	62.1	65.	29.950	62.3	ESE	3½	71.1	53.2	b. V.	S in horizon C. CS. S
20	60.4	63.9	29.853	60.6	ESE	2½	68.2	56.8	b. Y.	CS.
21	63.	65.6	29.903	63.4	EbS	2½	72.1	55.	b. Y.	CS. S.
22	64.4	66.	29.990	65.1	S	1½	74.	55.9	O. Y.	K. KS.
23	65.1	68.2	30.118	65.5	SWbS	0	77.4	61.	b. V.	K. KS. CS.
24	67.8	69.5	30.198	67.8	E	0	78.1	58.2	b. V. m	CK. CS
25	66.7	71.	30.245	66.8	SbE	0	82.	62	b. V. m	C. CS
26	67.1	72.	30.115	67.5	NbE	3	81.2	60	b. V. m.	KS. K
27	68	72.4	29.865	68.3	SW	1	81	60.8	b. V. h. S	
28	61.8	70.4	29.543	61.8	ENE	3	77.5	59.5	O. V. h. KS. N. Y	
29	60.2	67.2	29.360	60.9	E½S	3	71.2	59	O. V. KS. K	
30	53.8	62.3	29.641	53.4	NE½N	3	62.	54	b. V. CS. KS	
mean	58.45	62.50	29.832	58.50			68.41	53.48		
				54.60		3.90				

1857	9 Am				Wind		Rain		mean dew point = 53°.29
July	E	A	Bar	Hyg	Dir	Force	Square	Round	mean humidity = 0.782
1	57.8	60	29.798	57.8	NNE	3	0.018	0.021	6. v. q. K. KS
2	57.1	57.8	29.911	57.3	E	2	0.010	—	6. v. K
3	58.9	60.2	29.593	57.2	S $\frac{1}{2}$ E	4	—	—	0. v. q. KS at 9 ^h .20 ^m
4	63.	61	29.506	57.5	SW	4	0.172	0.174	6. v. K. CS
5	56.	60.8	29.537	54.8	N	2	0.143	0.190	0. v. q. KS. N
6	54.9	57.8	29.548	54.2	—	3	0.151	0.146	0. v. KS
7	57.2	57	29.847	57.2	NW	5	0.250	0.215	6. v. K
8	56.5	56.7	29.854	57.1	NW	2	0.002	0.002	6. v. K
9	57.2	56.5	29.761	57.2	W.N.W	2	—	—	6. v. K
10	60	59	29.677	59.5	WSW	1	0.051	0.050	6. v. K
11	64.2	61	29.823	58.1	WSW	3	0.021	0.029	6. h. KS. CS. K
12	64.	62 +	29.984	63.2	SWBS	4	0.021	0.009	0. v. KS. K
13	63.2	63	30.024	63.6	WBS	4	0.008	0.009	0. v. KS wind noisy (grey?)
14	63	62	30.130	62.8	SW	2	0.063	0.100	6. v. K. KS (the record set in the sum of this and preceding)
15	64	61.8	29.850	64.3	SW	5	—	—	6. v. K. CS in train
16	60.1	60	29.687	60.1	WBS	1	—	—	6. v. h. q. K. KS
17	60.7	59.2	29.867	60.3	WSW	4	0.070	0.082	6. v. K. KS
18	64.1	61.5	29.984	64.6	WSW	2	0.091	0.097	0. v. KS. CS. K
19	65.2	63	29.920	65.6	SWBS	3	0.123	0.042	0. v. KS
20	62.8	62.2	29.825	62.7	NW6W	3	0.044	—	0. v. h. KS
21	63	61.5	29.760	63.5	WBS	5	0.015	0.017	6. v. h. KS. CS. K at 9 ^h .20 ^m
22	63	61.9	29.810	63.2	W $\frac{1}{2}$ N	3	0.023	0.219	6. v. q. K. KS at 9.20
23	62.5	61.8	29.650	63.0	SSW	5	0.138	0.184	4. v. K. KS
24	58.5	63	29.465	59.6	WSW	3	0.203	0.204	0. v. q. KS. N
25	58.4	58.8	29.415	57.8	WSW	5	0.193	0.168	0. m. v. N. KS
26	60.	58.8	29.651	60.3	SW	6	0.140	0.064	6. v. q. q. KS. N in E
27	57.2	60.	29.517	57.2	SW	4 +	0.063	0.022	6. v. q. K.
28	60.	58.1	29.779	59.6	WBS	2	0.064	0.400	0. v. light rain. K. KS. or
29	61.	60.1	29.919	61.1	SW	4 +	0.341	0.093	6. v. K.
30	64.2	61.5	29.723	64.6	SW6W	2 +	0.091	—	0. v. K. S. KS.
31	63.5	61.4	29.755	64.6	SW6W	6	0.038	0.055	0. v. K.
mean	60.69	60.30	29.760	60.74		Sum	2.2427	2.737	0. v. K.
				56.53			2.804		

26 = 4°.21

1857	9 AM				Wind		Max	Min	mean dew point = 54.82	
July	E	A	Bar	Hg	Dir	Force	T	T	mean humidity = 0.887	
1	52.2	62.3	29.912	53.3	NNE	1	63	45	b.v. S from N.E.W	
2	58.8	61.5	29.775	52.3	WSW	1	66	46	o.v. KS	
3	58.5	62.5	29.509	58.4	SSW	1	65.5	55.2	b.v. h. KS	
4	58.2	63	29.527	57.9	SW/W	1	68.3	56	o.v. KS rain & thunder at 7.5	
5	52	60	29.51.8	57.5	NW	2	61.2	52	b.v. KS. K	
6	52.8	57.8	29.770	52.4	NW/N	3	57.5	50	b.v. KS.	
7	52.7	59.2	29.889	52.4	NW	3	62.6	50.5	b.v. K	
8	52.2	59.	29.827	51.8	NW	1	65.	49	b.v. S mean horizon	
9	58.1	60.2	29.725	51.9	WNW	1	64.5	48	o.v. h. K	
10	60.	62	29.754	60.2	WNW	1	69.8	53	b.v. K, KS	
11	60.5	63	29.945	60.2	WSW	2	68.5	57.2	b.v. CS. KS. K. S	
12	64.5	64	30.004	64.2	SW/S	5	67.	53.5	o.v. KS Wind soft sounding	
13	62.2	65.5	30.136	62.8	SW/W	2	72.2	61	b.v. K. KS. S	
14	60.5	65.5	30.004	60.5	SW	2	71	54.5	b.v. CS	
15	58.2	61.5	29.724	58.1	WSW	2	69	54.5	b.v. KS	
16	56.3	63.2	29.770	56.3	NW	1	66	51.5	b.v. trace of K to NW	
17	60.2	61.5	29.883	60.2	WSW	2	62.2	51	o.v. KS	
18	63	63.5	29.996	63.2	WSW	1	71.5	59	o.v. KS	
19	61.5	63.8	29.846	61.4	SW	0	68.9	61	o.m. KS. C	
20	56.4	60	29.826	55.3	W	2	68	57	b.v. CR. KS. K	
21	60.2	63.2	29.763	60.2	W 1/2 N	1	67	55.2	o.v. h. KS	
22	60.8	62.3	29.817	61.1	W/S	3	67.7	57.5	o.v. KS	
23	62.8	64	29.569	62.3	SW	4	70.	59	o.v. KS	
24	56.8	60.5	29.440	56.0	SW/S	6	62.5	56	b.v. y. KS	
25	56.	61.8	29.657	56.	W	2	66.	53.7	b.v. KS. C.	
26	58.	61.5	29.530	57.4	W/S	1	66.6	53	o. rain m.	
27	55.	62.	29.654	55.2	W/S	2 1/2	66.8	56.4	b.v.	
28	58.2	62.2	29.905	58.2	W	1	66?	?	o.m. KS. CK	
29	61.3	63.	29.819	61.3	SW/W	2 1/2	69.	54.5	b.v. KS. K. S.	
30	59.7	62.4	29.755	59.7	W/NW	1	67.7	58.	o.m. K. KS.	
31	62.9	62.4	29.797	62.9	SW/W	2 1/2	67.7	59.	o.v. K	
mean	58.40	62.09	29.777	58.43			66.60	54.31		
				56.39		2.04				

1857	9 Am			Wind			Rain		mean dew point = 56.80	
Augt	E	A	Bar:	Height	Dir:	Force	Square	Round	mean humidity = 0.848	
1	62.6	62.2	29.790	62.7	SWbW	2	0.0013	0.007	0. Y.	K.
2	60.6	60.8	29.903	60.9	W	2	0.3523	0.355	b. VV.	K. CK.
3	68.	64.2	29.605	64.6	SWbW	6	0.376	—	0. VV.	K. KS. S.
4	60.3	59.	29.684	60.5	SWbS	4	0.2803	0.290	b. Y.	K. CK.
5	60.	58.7	29.780	59.4	SWbS	1	0.366	—	b. Y.	K. KS. CK. C.
6	59.1	58.	29.780	59.3	NbE	4	—	—	b. VV.	C. CK.
7	59.	60.4	29.810	59.2	NbW	1	0.0853	0.075	0. VV.	K.
8	54.	59.	29.701	52.9	NbW	2	0.0863	0.227	0. Y.	rain n.
9	57.6	57.2	29.743	57.6	NbW	1	0.226	—	b. V.	K. C.
10	61.9	59.5	29.772	61.7	SEbS	5	—	—	0. Y.	KS. n. in SE. & rain soon after
11	64.9	62.4	29.818	63.6	WbN	2	0.2533	0.276	0. Y.	K.
12	62.	61.2	29.951	61.9	WbN	2	0.292	—	b. Y.	K. CK. C.
13	63.4	62.4	29.701	63.7	SWbW	2	0.4933	0.195	0. Y.	K. CK. n. in SW
14	60.	59.3	29.713	60.6	NW	2	0.2113	0.007	b. VV.	K. Strongly marked.
15	58.	60.4	29.770	59.5	NbW	4 1/2	0.0183	0.074	0. Y.	K. KS.
16	61.4	61.6	29.957	61.5	NbE	2 1/2	0.0863	—	0. m.	KS.
17	60.3	63.	30.019	60.1	NWbN	0	0.0023	0.006	0. m.	KS
18	60.	61.8	30.038	60.8	NWbW	1	0.008	drops	0. Y.	K.
19	66.	63.7	30.112	66.1	WbN	0	—	—	0. Y.	K. KS
20	68.5	65.4	30.130	63.2	NbE	2	—	—	b. Y.	K. KS. S. CS.
21	68.	66.7	30.059	66.4	NbE	2	—	—	b. Y. h.	K. KS.
22	63.	64.6	29.853	62.8	SEbE	3	—	—	0. Y.	K
23	65.7	66.1	29.670	66.1	EbN	4	—	—	0. h.	CK. S. CS.
24	67.	65.9	29.584	63.4	NbE	2 1/2	0.3873	0.385	b. Y. h.	CK. S. CS. K.
25	64.8	67.	29.629	66.1	SE	7	0.466	0.655	b. Y. g.	CK. K.
26	60.7	63.8	30.090	62.1	WSW	3	0.8163	0.006	0. VV.	K. (at 9 ^h 10 ^m)
27	59.9	61.1	30.245	60.3	WbN	1	0.5443	—	b. V.	S. CS. C.
28	58.1	58.8	30.218	58.3	NbW	3 1/2	0.0013	—	b. VV.	K.
29	60.	61.3	30.118	58.4	ESE	2+	—	—	b. Y.	K.
30	59.9	61.1	29.945	59.7	SEbE	2	—	0.002	0. Y.	KS
31	59.1	61.5	29.909	57.2	NbE	2	—	—	b. h.	K. S
mean	61.74	61.88	29.874	61.70			2.696	2.660		
				58.89	2.81		2.976			

1857	9 Pm				Wind	Max.	Min.	Mean dew point = 56.18	
Augt	E	A	Bar:	<i>Niger</i>	Dir: Force	T	T	Mean humidity = 0.906	
1	58.	63.1	29.863	57.63	NbW 0	69.6	57.7	o. rain - n.	
2	63.3	63.4	29.707	64.43	SbW 6	67.3	55.9	o. v. g. K. KS.	
3	59.1	64.7	29.532	59.13	SWbS 3	71.7	59.5	o. v. K. CK. S. KS.	
4	55.1	63.1	29.808	58.53	WbS 2	67.	52.	b. v. CK. C. CS. S	
5	56.	63.	29.760	56.63	NbW 1	65.4	49.9	o. v. KS. S	
6	55.	62.2	29.847	55.63	NbW 1	65.1	50.3	b. v. CK. K. ^{n in E}	
7	54.	61.6	29.741	54.63	NW 2 1/2	64.	54.5	b. v. K. C. CK ^{heavy rain between 10 PM & 11 PM}	
8	52.7	60.	29.750	52.13	NWbN 1	59.	52.4	b. v. K. CK. C. CS.	
9	56.3	62.1	29.790	56.33	S 2	67.5	50.	b. v. S. CS. C.	
10	63.	62.4	29.770	63.73	SW 2 1/2	68.1	55.8	b. v. S. KS.	
11	61.2	65.	29.936	61.73	WNW 1 1/2	72.	61.8	b. v. K. CK. C.	
12	60.	64.4	29.810	60.83	SbE 5	71.	55.	o. v. rain - n.	
13	59.	64.	29.722	59.33	NbW 1	69.	59.2	b. v. K. CK n in NW	
14	54.	63.1	29.745	54.33	NbW 1 +	68.7	51.9	b. v. C. KS.	
15	58.5	63.	29.868	58.43	NbW 1	67.1	53.9	b. v. CK.	
16	60.4	65.1	29.992	60.33	NbW 1	73.1	58.4	b. v. S.	
17	60.	63.9	30.021	60.83	NWbN 2	65.8	49.3	o. v. KS	
18	60.9	65.	30.073	60.63	NWbN 1	70.2	57.	b. v. S.	
19	64.	66.9	30.135	64.63	N. N E 2	72.7	60.8	o. v. KS. K	
20	67.5	69.	30.112	67.23	SbE 1	75.7	62.5	o. v. KS (at 9 ^h :30 ^m)	
21	63.6	69.4	29.925	63.53	E 2 1/2	74.4	63.2	b. v. (at 9 ^h :15 ^m)	
22	63.4	68.1	29.780	63.73	E N E 2	71.4	56.	b. v. CK. K. at 11.15. A = 66°	
23	65.9	68.4	29.651	65.93	N. N E 2 +	74.3	61.1	o. v. KS. at 10.15. a thunder	
24	65.9	69.4	29.611	65.83	E S E 2	74.6	60.9	Thunder. Lightning & heavy rain - commenced at 7 PM	
25	60.9	66.1	29.857	60.83	SW 5	72.1	61.4	o. v. g. KS.	
26	56.	64.	30.197	56.63	W 1 1/2	65.6	57.	b. v. KS. CS.	
27	55.9	64.6	30.253	55.93	NbW 1 1/2	67.4	52.9	b. v. S.	
28	55.2	64.6	30.175	55.23	EbN 2	66.6	48.8	b. v.	
29	54.1	63.	30.016	54.13	EbN 2	63.5	53.8	b. v. (at 9 ^h :15 ^m)	
30	59.1	63.1	29.908	59.13	SbE 0	64.9	52.1	o. v. K. KS.	
31	55.1	64.1	29.873	55.13	NbE 0	67.	55.1	b. v. E. CS. S. (at 9 ^h :15 ^m)	
mean	59.33	64.51	29.879	59.43		68.77	55.81		

1857	9 Am			Kind	Rain		mean dew point = 54.17	
Sept	E	A	Bar.	Dir	Force	Square	Round	mean humidity = 0.883
1	58.4	61.	29.801	58.3	N.W	1 1/2	—	b. V. K. CK. C.
2	56.8	59.2	29.625	56.5	N.W b. N	5	0.060	b. V. K. CK. n
3	58.1	59.2	29.611	58.2	N	3	0.078	0. V. Ks. S.
4	54.9	57.2	29.500	54.2	N b. E	2 1/2	0.035	0. V. m. Ks. at 9.12 ^m
5	58.1	57.3	29.456	58.1	N b. W	2 1/2	0.034	0. V. K. Ks. S.
6	58.	57.6	29.595	56.1	W S W	3	0.126	b. V. h. n in SW
7	58.1	58.	29.678	58.2	W b. S	2	0.394	b. V. K. CK.
8	54.1	58.	29.420	56.6	N b. N	3	0.420	0. rain n.
9	56.	57.1	29.245	53.6	N b. N	3	0.005	0. V. K. Ks.
10	56.5	57.1	29.480	55.6	S E	0	0.042	0. m. Ks.
11	57.2	58.1	29.683	54.8	E	2	0.001	b. h. V. Ks. K. CK. C.
12	57.2	58.1	29.505	56.4	N S E	2	0.040	0. V. Ks.
13	57.1	56.7	29.684	56.5	W S W	2 1/2	0.041	b. m.
14	62.8	60.4	29.721	56.6	S b. W	3	0.146	0. V. K. Ks.
15	64.1	62.3	29.853	61.4	S b. W	3	0.004	0. V. Ks.
16	65.2	62.8	29.897	63.2	S b. W	4	0.015	b. V. K. CK.
17	65.4	63.	29.961	61.2	S W b. S	4	0.008	0. V. Ks. S.
18	59.2	59.7	30.167	61.8	W N W	2	0.015	b. V. Ks. K.
19	55.1	57.1	30.323	59.1	E S E	1 +	0.001	b. V. CK.
20	50.1	54.4	30.211	53.3	E S E	1	0.002	b. m.
21	55.	57.4	30.201	50.4	N E	1	0.001	0. m. Ks.
22	58.6	57.1	30.085	52.8	S E b. E	3	0.001	b. V. Ks. S.
23	58.5	58.	29.879	55.1	S E	4	0.004	0. V. Ks.
24	59.8	58.9	29.467	55.7	S b. E	5	0.016	0. V. m. K. Ks. n rain
25	53.2	55.	29.603	53.9	S W	2 1/2	0.031	b. V. Ks. CK.
26	57.2	55.3	29.465	50.9	S	7	0.295	0. V. q. Ks. K.
27	58.6	57.4	29.357	57.6	S b. W	5	0.329	b. V. q. Ks. C. CK. CS.
28	54.6	54.6	29.565	58.8	S W b. S	4	0.001	b. V. CK.
29	54.	53.3	29.807	51.6	S	3 1/2	0.047	b. V. S. CS. C. CK
30	57.1	57.8	29.658	54.1	S S E	7	0.087	0. m. rain n.
mean	57.63	57.97	29.720	57.73	Sum	1.8907	2.085	
				55.66	2.07	2.1085		

1857	9 PM -				Wind	Max:	Min:	mean dew point = 52.76	
Sept th	E	A	Bar:	Weg	Dir: Force	T	T	mean humidity = 0.903	
1	55.6	62.9	29.664	55.1	WbN 2	63.	55.1	b ₆ . Y.	K. CS. CK.
2	55.2	61.	29.649	52.9	NNW 1½	61.8	51.1	b ₆ . Y.	K. CK.
3	52.4	59.1	29.569	52.8	NE 1	61.8	53.1	b ₃ . V.	CK.
4	55.6	60.1	29.457	51.4	NNW 0	63.	49.7	b ₆ . Y.	K.
5	54.8	59.1	29.473	53.4	WbN 5	62.	50.1	b ₆ . Y.	K. CK.
6	54.9	60.2	29.661	54.7	SW 5+	64.8	52.6	b ₅ . VV.	CK. C. CS.
7	56.	61.2	29.637	54.6	E. NE 3+	66.1	53.2	b ₅ . V.	K.
8	53.7	67.9	29.265	53.1	N 3	57.6	51.2	o. m.	rain n.
9	56.3	59.1	29.367	53.0	SS E 3	62.4	52.8	b ₃ . Y.	CK. C. S.
10	56.7	59.1	29.539	52.2	NN E 1½	64.2	49.8	o. g. m.	KS.
11	56.8	61.	29.509	56.1	Nb E 1	65.	54.	o. g.	K. KS.
12	55.1	60.1	29.583	53.8	Nb N 0	64.	53.	b ₁ . g.	KS. S.
13	58.	61.4	29.693	54.4	SE 3	67.	50.	b ₁ . V.	KS.
14	62.6	62.7	29.825	53.1	SbW 4	68.7	57.9	b ₁ . V.	KS. S.
15	62.4	64.1	29.884	61.	SSW 4	71.2	61.4	b ₈ . V.	S.
16	61.9	64.1	29.908	60.1	SbW 5+	70.5	60.8	b ₁₀ . V.	
17	58.1	63.5	29.067	60.6	SS E 3½	68.3	58.1	b ₁₀ . V.	KS.
18	52.5	60.1	30.249	58.2	NE 1	63.8	52.7	b ₁₀ . VV.	
19	51.6	57.	30.317	52.2	SEbS 0	63.6	49.6	b ₁₀ . m.	
20	52.2	60.2	30.250	49.7	NNW 0	64.6	44.5	b ₁₀ . V.	
21	53.3	59.7	30.137	52.8	E. NE 2	64.2	51.9	b ₁₀ . V.	
22	54.	58.5	29.984	51.7	SEbS 2	61.5	49.1	b ₁₀ . V.	KS. S
23	58.2	59.3	29.708	54.3	SE 5	62.	53.3	o. V.	KS. K.
24	58.1	60.2	29.448	53.4	S 5	66.4	56.3	o. g.	rain n. KS.
25	53.	55.	29.670	58.	SWbS 3	62.1	49.2	b ₁₀ . V.	distont thunder at 11 PM -
26	56.9	59.5	29.399	52.6	WSW 4	64.9	49.	b ₁₀ . V.	CK. KS.
27	54.9	57.3	29.419	51.3	SSW 5	63.9	54.8	b ₈ . VV.	
28	50.5	57.1	29.726	52.2	SWbS 2	61.2	49.7	b ₁₀ . VV.	CK.
29	57.8	58.	29.729	50.5	Sb E 5	61.6	45.4	o. V.	CK. KS. S.
30	56.4	58.	29.768	48.4	W 0	61.	56.1	fog.	
mean	55.87	59.88	29.718	55.77		64.07	52.52		
				54.12	1.65				

1857	9 Am			Hyg	Wind		Rain		mean dew-point = 47.76	
Oct	E	A	Bar.		Dir.	Force	Square	Round	mean humidity = 0.900	
4	1	57.	57.1	29.884	57.3	WNW	1+	0.112	0.142	o. m. K. KS.
	2	55.3	54.9	29.895	55.4	SW	4½	0.137		o. Y. KS. CK. CS.
	3	52.6	56.4	29.755	52.3	WNW	2	0.176	0.250	b. Y. K. CK. C. CS.
5	4	47.1	50.6	29.573	49.3	SWbW	2	0.004	0.005	b. Y.
	5	45.1	48.1	29.295	44.5	SW	3	0.012		b. Y. K. CK.
	6	45.7	47.	29.437	42.5	SW	3½		0.002	b. Y. K. CK.
	7	53.	50.4	29.063	43.8	E	4	0.002		o. m. KS. K.
	8	54.	53.1	28.853	52.2	NE	5	0.013	0.019	o. m. KS.
	9	50.	52.1	29.201	49.2	WNW	3	0.234	0.366	o. Y. K.
	10	50.8	51.	29.546	47.8	SWbW	1½	0.100	0.100	o. Y. C. CS.
11	55.9	53.9	29.683	56.2	SWbW	2	0.014	0.012		o. Y. K. CK.
12	57.2	55.1	29.818	55.2	SWbS	4+	0.134	0.147		b. Y. C. CS. CK. S.
13	54.	55.2	29.943	52.9	SWbW	2	0.166	0.002		o. m. KS.
14	56.1	56.6	29.969	53.1	WNW	0	0.008			o. m. KS.
15	56.4	56.3	29.903	53.9	SbW	2	0.044	0.045		o. Y. KS. S.
16	53.9	55.9	29.811	56.5	E	2½	0.001	drops		o. Y. KS.
17	55.4	55.3	29.515	55.2	SbW	6	0.001	0.010		b. Y. KS. S. K.
18	51.1	53.4	29.425	53.4	SW	0	0.005	0.070		b. m. KS.
19	53.	53.1	29.583	50.4	NE	3	0.052	0.050		b. Y. S. KS. CK.
20	48.5	51.1	29.763	49.6	SW	1½	0.050	0.050		b. Y. S. CS. C.
21	47.2	51.5	29.656	51.2	SbW	3	0.048	0.009		b. m. S. CS. C.
22	45.4	49.1	29.670	47.3	SbW	3	0.001	0.019		b. Y.
23	42.9	47.	30.091	44.5	WNW	3	0.012	0.019		o. rain. m.
24	49.	47.2	30.095	43.7	NE	2	0.045	0.073		b. Y. K. CK.
25	52.1	50.1	29.815	42.7	NE	4	0.068	0.003		b. Y. K. KS. S.
26	48.7	50.3	29.669	40.3	SE	4	0.023	0.003		b. Y. K. KS. S.
27	52.6	51.5	29.393	47.1	SE	4	0.009			o. Y. C. KS. CS. S.
28	52.3	52.	29.640	48.4	NE	0	0.006	0.008		o. Y. C. KS. CS. S.
29	49.1	51.8	29.583	48.4	NE	0	0.005	0.061		b. m. C. CS.
30	45.8	47.	29.487	48.3	E	4	0.054	0.061		b. m. C. CS.
31	48.4	48.9	29.759	48.3	E	4	0.053	0.034		o. m. rain. m.
mean	51.16	52.03	29.638	50.92	S	2	0.024	0.034		b. Y. C. CK. K.
				49.31	W	3	0.035	0.250		o. Y. CS. S. KS.
					SW	4	0.222	0.006		b. Y. light rain. KS. S. K. m.
					W	4	0.003	0.006		o. Y. K. S.
							0.020	0.021		
							0.026	0.022		
							0.022			
							1.385	1.726		
							1.563			

1857 9 Pm *Hyg* *Wind* *Max* *Min* mean dew-point = 47.83
Dir: *Force* *T* *T* mean humidity = 0.922

1	54.4	57.4	29.909	54.27	WNW	2	60.9	53.9	b. v.	C. CK.
2	58.5	58.	29.650	57.53	WSW	9	62.5	50.0	o. v. q.	KS
3	47.5	56.	29.693	46.87	WSW	1	59.5	47.9	b. v.	S.
4	44.6	53.	29.415	43.97	SWbS	2 1/2	54.4	41.3	b. v.	CS. CK.
5	43.	52.	29.339	41.83	SWbW	2 1/2	52.4	40.1	b. v.	CK.
6	44.5	51.2	29.427	40.83	SWbW	2	55.	39.1	b. v.	
7	53.3	53.1	29.233	41.83	NE	7	57.9	41.	o. m	K. KS.
8	51.1	53.2	29.041	50.97	S	12 1/2	57.7	50.9	o. v.	K. KS.
9	49.9	52.8	29.425	49.43	WNW	2	56.2	46.9	b. v	K. KS
10	53.9	53.	29.470	48.63	SSW	4 1/2	54.9	46.1	o. g. m.	KS.
11	55.	55.3	29.775	53.47	SW	2	60.6	53.0	o. v.	KS.
12	59.6	58.5	29.827	54.17	SW	4	64.2	53.9	o. v.	KS. S.
13	56.6	57.2	29.984	58.47	NNE	1/2	61.2	51	o. g. d	
14	56.9	57.	29.937	55.27	S	3	60.8	54.5	o. g.	
15	55.5	57.2	29.882	56.27	SSW	0	61.1	54.9	o. v.	KS.
16	55.	56.	29.662	54.67	SEbS	4	57.6	52.3	o. v.	KS.
17	53.6	56.3	29.464	53.77	S	3 1/2	60.1	53.8	b. v	KS. S
18	50.4	53.4	29.447	52.67	NEbN	2	55.3	49.1	b. v.	KS.
19	48.	53.9	29.751	49.37	NEbE	1	58.6	47.3	b. v.	
20	48.9	54.1	29.676	46.87	SWbS	3	57.2	44.7	b. v.	KS.
21	42.2	50.6	29.619	48.37	WbN	2	51.1	42.1	b. v.	
22	44.1	49.7	29.965	47.17	NEbE	2	50.6	40.9	b. v.	KS.
23	40.6	47.3	30.119	40.37	NE	3	48.7	38.9	b. v.	KS at horizon (at 9.15)
24	50.1	50.3	29.998	41.87	NEbE	3	54.7	39.1	o. v.	KS. S.
25	53.7	51.4	29.669	48.37	EbS	3	55.1	48.2	o. g.	K. KS.
26	48.2	52.5	29.561	51.47	EbN	1 1/2	57.1	44.4	fog.	
27	52.	52.8	29.475	48.87	SEbS	3	56.	47.4	b. v.	K. CK.
28	51.9	52.8	29.650	50.97	S	3	57.7	49.9	b. v.	K. CK.
29	45.9	50.3	29.389	51.87	WSW	5	53.	46.	b. v. q.	CK.
30	44.1	49.2	29.725	45.37	W	3	51.	41.1	b. v.	CK.
31	52.	51.	29.565	44.17	SWbS	7	52.6	43.6	b. v. q.	CK. CS. C

mean 50.49 53.18 29.621 50.243 56.64 46.10

49.00 1.21

1857		9 A.M.			Hyg.	Wind		Rain		mean dew point = 42.11		
Nov 2		E	A	Bar.		Dir.	Force	Square	Round	mean humidity = 0.908		
⊙	1	54.6	52.6	29.468	54.7	SSTW	7	—	0.001	o.v.g.	K. KS.	Bar. hearing
	2	54.	51.9	29.303	52.6	S	5	—	—	o.v.g.	K. KS.	
	3	44.1	49.1	29.692	49.7	NW	2½	0.879	0.917	b. y.	CS. CK	
	4	42.	45.	29.798	40.6	NE	3+	0.933	—	b. m.	K. CK	
	5	46.7	48.1	29.699	41.3	E	1½	0.001	0.005	o. m.	KS.	
	6	43.2	43.1	29.787	38.5	SWbs	3	0.012	—	fog.	—	
	7	51.1	48.2	29.956	46.2	SW	3	0.005	—	b. y.	C. CK. K. KS.	
⊙	8	50.3	50.1	30.075	48.1	S	3+	0.017	0.030	o.v.	KS	
	9	47.7	50.2	30.157	50.3	S	0	—	—	b. fog	KS.	
	10	49.1	49.1	30.347	48.1	EbN	3+	0.001	—	b. m.	KS.	
	11	49.7	50.1	30.517	47.3	Ebs	2	0.001	—	o. y. m.	KS	
	12	44.9	48.	30.555	47.9	Wbs	0	0.027	0.084	b. m. CK. S	—	
	13	39.4	45.2	30.432	44.4	SW	1	0.001	—	9 b. m.	CS. round horizon	
	14	48.1	47.7	30.301	43.8	WNW	2	0.008	0.014	o. m.	KS.	
⊙	15	49.1	48.9	30.207	38.1	E. N. E	1	0.016	0.029	o. y.	KS.	
	16	47.4	46.6	30.166	47.4	NE	5	0.062	0.013	o. y.	KS.	
	17	47.4	48.1	30.032	47.1	NE	2	0.006	0.003	b. v. h.	KS. CS	
	18	51.1	49.6	29.959	45.2	NE E	2	0.008	0.079	o. v. m.	KS	
	19	51.	49.1	29.961	50.7	S	5	0.068	—	o. m.	KS.	
	20	49.8	49.8	29.985	51.3	SWbs	3	—	—	b. y.	KS. CK. K.	
	21	45.	47.4	30.005	49.7	SWbs	2	—	—	1 b. y.	K. CK. C. S.	
⊙	22	51.9	50.4	29.634	45.1	SWbs	5	0.393	0.495	o. m.	rain n	
	23	42.0	47.1	29.183	51.1	W	6	0.450	1.303	b. y.	CK. K.	
	24	36.8	44.4	29.189	41.3	NW	1+	1.106	0.396	b. y.	CK. C. CS. K	
	25	33.1	39.1	29.557	35.6	NW	0	0.304	—	b. v.	K. CK.	
	26	35.7	41.1	29.417	32.2	Wbs	0	—	—	5	rain. n.	Hyg frozen
	27	34.5	40.1	30.060	34.1	N	0	0.034	0.002	o. m.	S. CS. C	
	28	36.	39.1	30.072	33.3	SW	2	0.060	—	b. m.	CK. K. S.	
⊙	29	40.2	41.2	30.011	33.1	SW	0	—	—	b. y.	K.	
	30	45.6	42.2	29.734	33.2	NE	1	0.050	0.050	b. y.	K.	
					42.2							
mean		45.38	46.75	29.909	44.91			2.929	3.476			
					43.60			3.326				

1857	9 P. M.			May	Wind		Max	Min.	mean dewpoint = 42.44	
No.	E	A	Barom:		Dir:	Force	T	T	mean humidity = 0.963	
1	51.7	52.3	29.350	51.53	S	5	57.2	51.5	b. v. g.	C. C. S.
2	46.4	52.2	29.467	49.1	Neb N	2	58.6	45.3	O. Rain	
3	38.1	48.	29.841	45.43	N	2	53.4	38.1	b. v.	CK.
4	45.1	47.4	29.725	37.23	E b S	1 1/2	53.2	36.4	O. V.	KS.
5	48.1	48.7	29.720	36.1	E	0	53.	44.2	fog.	
6	44.7	49.	29.909	44.73	SW b S	0	53.2	44.7	b. v.	CK
7	51.	50.2	30.039	43.33	S b E	3	54.6	40.1	O. V.	KS.
8	52.6	51.1	30.089	48.23	S.	4	53.2	49.9	O. g.	KS.
9	51.8	50.3	30.253	48.23	E b N	3	53.3	45.9	O. V.	KS.
10	50.5	51.	30.429	49.4	E b S	4	53.4	44.9	O. g.	KS.
11	47.9	50.1	30.580	51.73	SSW	0	53.	47.6	O. g.	
12	41.6	48.	30.580	50.	W	1	48.8	41.	b. m. KS	
13	43.9	47.4	30.353	47.63	SW	1	44.6	38.6	O. g. m	
14	47.4	48.7	30.235	43.43	Neb N	0	53.6	43.2	fog.	1 star visible
15	41.6	47.6	30.228	47.23	ESE	0	52.6	41.3	b. v.	
16	49.1	48.3	30.140	47.13	NE	3	51.6	37.9	O. V.	KS.
17	45.7	47.6	29.951	40.8	E b N	2	50.4	44.	b. m. g. KS	
18	50.1	48.2	29.968	45.33	SE	5	54.5	44.	b. m. KS	
19	50.9	50.1	29.923	44.1	S	5	54.2	47.4	O. V. m. KS. S	
20	48.2	50.	30.052	27.43	SSW	5	53.2	43.3	b. v.	KS. S. (at 10 th)
21	48.7	49.	29.867	50.73	SW	2 1/2	49.	42.5	O. heavy rain	n.
22	48.1	50.4	29.423	47.23	SW	0	53.4	48.2	O. heavy rain	n.
23	42.1	46.8	29.125	47.63	W b N	2 1/2	49.	41.	O. V. rain.	n.
24	32.	42.	29.411	47.63	N. NE	0	39.8	32.	b. v.	CK.
25	36.	42.1	29.569	40.6	NW b W	0	39.1	29.	b. v.	CK. K. C.
26	39.7	41.8	29.829	29.2	N	2 1/2	42.1	35.	b. v.	CK. K.
27	32.6	41.6	30.121	34.73	SW	1	42.4	32.4	b. m.	CS.
28	39.3	40.9	30.047	34.2	SW	2	40.1	31.3	O. m.	KS.
29	43.3	42.	29.891	32.43	ESE	1 1/2	43.8	38.4	O. V.	K.
30	44.7	43.7	29.537	37.43	E b S	2	47.8	41.3	O. m.	n. light rain
31				41.63						
mean	45.30	47.55	29.919	43.63			50.20	41.35		

1857	9. A. M. -			Therm	Wind		Rain		mean dew point = 43.59 mean humidity = 0.886	
Day	E	A	Bar:		Dir.	Force	Square	Round		
1	44.6	44.1	29.497	44.2	Sb E	4+	0.012	0.018	b. Y.	CK. C. CS. (at 9.15 ^m)
2	51.6	46.6	29.427	43.5	SE	7	0.016	0.025	o. m. g.	Rain. KS. n. Bar. bearing
3	53.9	51.6	29.068	50.4	Sb E	10	0.131	0.370	b. V. g.	K. CK.
4	41.1	46.2	29.645	40.6	W	3	0.320	—	b. m.	
5	40.6	45.1	29.840	39.6	SW	3½	—	—	b. V.	C. CS.
6	45.9	47.1	29.975	43.3	SWbS	5	—	—	o. m.	KS.
7	51.3	49.1	29.790	43.8	Sb E	5	0.022	0.124	o. m.	n. much rain
8	42.1	44.2	30.261	41.7	SbW	2½	0.083	0.265	o. m.	KS. S. CS.
9	49.	48.2	29.929	40.8	S	5	0.040	—	o. V.	K. KS. at 9.17 ^m
10	49.1	48.6	29.915	48.7	SSW	5	0.002	0.010	b. Y.	K. C. CK.
11	47.9	48.6	30.255	47.5	SW	3	0.002	—	b. Y.	K. CK. KS.
12	46.8	47.3	30.411	47.3	Sb E	4	0.003	0.013	b. Y.	CK. K. at 9.40 ^m
13	47.5	48.	30.243	46.5	S	4+	0.018	0.001	b. Y.	CS.
14	49.7	48.8	29.895	47.2	SbW	6	0.003	—	b. Y. g.	CK. K. CS.
15	44.7	48.	29.681	47.9	SWbS	4½	0.003	0.019	b. Y. g.	CK CS. C
16	46.5	46.1	29.539	46.1	SbW	8	—	—	o. V. g.	CS. S. KS. (at 9.15 ^m)
17	51.1	49.1	29.540	46.4	SSW	9	0.250	0.434	o. V. g.	K. (at 9.30)
18	52.1	51.1	29.391	50.6	SbW	10	0.266	—	o. V. g.	K. Bar. bearing
19	47.7	43.	29.804	48.4	SWbS	5	0.010	0.060	b. Y.	
20	44.7	44.4	29.403	45.1	SW	8	0.023	0.32	b. V. g.	KS. CK. C
21	49.5	47.1	29.583	49.3	SW	5	0.071	0.24	o. m.	KS.
22	50.1	50.1	29.643	49.7	SWbW	6	0.070	0.24	b. Y.	KS. K. CK. CS.
23	52.9	51.	29.887	50.8	SW	7	0.026	0.400	o. m. g.	KS
24	48.1	49.1	29.970	52.6	SSW	7	0.114	0.018	o. Y. g.	K
25	46.	48.7	30.104	51.6	W	5	0.203	0.185	b. Y.	K. CK. C
26	43.1	46.3	30.197	46.2	WSW	1½	0.004	—	o. m.	KS. (at 9.45 ^m)
27	44.3	45.4	30.230	43.2	W	4	0.038	0.001	o. Y.	K. KS.
28	46.2	46.6	30.215	42.1	WSW	3	0.102	—	b. Y.	KS. KC
29	47.1	47.	30.195	42.2	SWbW	5	—	—	o. V.	KS. S
30	46.2	47.	30.283	44.7	SW	3	—	—	o. V.	CS. KS.
31	41.2	44.1	30.178	42.7	SbW	2½	—	—	b. V.	CK. KS. S.
mean	47.09	47.34	29.871	46.79		Sum	0.901	2.750		
				49.28			1.702			

1857	9. P.M.			W. S.	Wind		Max:	Min:	mean dew-point = 44.24	
Dec ^r	E	A	Bar:	—	Dir:	Force	T	T	mean humidity = 0.906	
1	42.9	44.9	29.577	42.27	S	3	48.	42.2	b. v.	CS.
2	54.1	51.2	29.245	52.13	SbE	10	50.4	41.4	0. m. 99.	K. 92. rain Bar: Reading
3	49.5	50.4	29.156	49.27	SWbS	8	50.5	49.5	b. v.	K.
4	45.9	46.3	29.539	45.83	SbE	6	50.7	41.1	b. v. 9. S. KS	Bar: heaving
5	49.1	47.6	29.705	45.43	S	9	49.8	39.8	b. v. 9. KS.	don
6	52.8	49.1	29.850	46.63	SbW	9	53.3	44.9	0. m. 9. KS.	
7	43.2	47.3	30.126	52.23	WSW	4	54.9	43.1	b. m.	
8	51.	49.1	30.123	42.63	SbW	5	51.6	39.9	b. 9. K. KS.	
9	49.5	48.	29.807	50.83	S	6	51.6	48.3	b. m.	KS.
10	45.	49.1	30.135	49.23	S	6	51.6	48.3	b. m.	KS.
11	44.6	49.	30.357	48.63	SSW	2	52.5	45.	b. v.	KS.
12	47.7	48.2	30.365	44.63	WSW	2	52.5	44.7	b. v.	S
13	47.3	48.3	30.091	43.43	SbE	4	52.5	44.6	b. v.	S. KS.
14	51.3	50.1	29.600	47.33	S	4	51.1	46.5	b. v.	KS. K.
15	44.	47.1	29.663	45.63	S	4	51.1	46.5	0. v.	KS. K.
16	45.8	48.	29.609	45.23	SSW	8	52.5	46.9	b. 9. 9. KS	Bar: heaving
17	50.6	53.6	29.895	49.63	SW	5	52.4	43.6	b. v. 9. KS.	
18	41.2	46.8	29.639	42.53	SWbS	2½	51.5	43.2	0. 9.	n. light rain
19	41.4	44.	29.671	44.83	SSW	9	53.6	43.4	b. v.	KS.
20	41.1	44.	29.579	50.23	W	5	54.	41.1	b. 9. light rain. n. KS.	
21	52.	49.6	29.617	48.43	W	5	54.	41.1	b. 9.	
22	48.3	49.	29.862	41.23	SSW	7	46.2	36.4	b. v. 9. S.	
23	52.6	52.1	30.011	39.73	SSW	7	46.2	36.4	b. v. 9. S.	
24	51.1	50.	29.777	35.23	W	3+	44.8	39.7	0. m.	KS.
25	45.	47.9	30.227	40.63	W	3+	44.8	39.7	0. m.	KS.
26	40.1	45.2	30.189	32.33	SWbS	10	53.1	40.9	0. v. 9. K.	
27	45.7	46.3	30.229	50.63	SWbS	4	54.	46.	0. 9.	
28	48.1	47.6	30.217	48.23	SW	6	54.2	47.9	0. v.	K. KS.
29	46.6	47.6	30.221	47.53	SbW	10	53.4	47.8	0. v. 9. rain n. K. Bar: heaving	
30	44.1	46.5	30.248	50.83	SWbS	2½	51.8	44.6	0. v.	KS
31	46.5	46.1	30.087	42.33	WSW	1+	45.4	39.2	0. m.	KS.
				39.63	W	1½	47.8	39.1	0. v.	KS.
				45.63	WSW	4½	44.2	44.9	0. v.	K.
				44.13	SWbW	6	49.4	44.1	0. v.	K. CK.
				46.63	S	5	48.2	43.	b. v. CK. S	
				44.63	SbE	7	46.3	39.4	0. v.	K.
mean	47.03	48.07	29.875	46.47			51.10	43.30		

1857	9 Am			9 Pm			Rain		Wind			Thermometer	
	F	A	Bar	F	A	Bar	Square on Lawn	Globe	Direction	Force	Direction	Max	Min
Jan'y	37.47	39.23	29.629	38.04	39.95	29.599	3.270	4.624				10 - 51.5	29 - 23.0
Feb'y	40.92	40.89	29.731	40.91	42.23	29.744	1.623	2.068				27 - 54.8	43 - 29.0
March	41.36	41.64	29.616	40.45	42.92	29.645	3.906	3.932				30 - 51.0	12 - 29.2
April	46.27	44.99	29.548	43.76	46.39	29.566	4.392	4.580				19 - 61.5	13 - 32.8
May	53.38	51.85	29.740	50.56	54.28	29.736	1.227	1.208				30 - 66.5	243 - 37.6
June	60.56	59.77	29.798	58.45	62.50	29.800	1.865	1.761				25 - 82.0	12 - 42.6
July	60.69	60.30	29.733	58.40	62.09	29.745	2.804	2.737				13 - 72.2	1 - 45.0
August	61.74	61.88	29.842	59.13	64.51	29.839	2.976	2.660				20 - 76.7	28 - 48.8
Sept.	57.63	57.97	29.700	55.87	59.88	29.691	2.108	2.085				15 - 71.2	20 - 44.5
October	51.16	52.03	29.633	50.49	53.18	29.613	1.563	1.726				12 - 64.2	243 - 39.1
Nov.	45.38	46.75	29.917	45.30	47.55	29.911	3.326	3.476				2 - 58.6	25 - 29.0
Dec.	47.09	47.34	29.879	47.03	48.07	29.880	1.702	2.750				3 - 56.5	19 - 36.4
Summer	57.47	57.26	29.740	55.51	59.37	29.737	12.543	12.174					
Winter	43.09	43.49	29.720	42.08	44.54	29.724	18.239	21.430					
Year	50.35	50.43	29.731	49.10	52.01	29.731	30.782	33.604					
	Rain Days	Mean Ther	Mean Bar										
Jan'y	20	37.75	29.664										
Feb'y	18	40.92	29.738										
March	21	40.88	29.631										
April	26	45.01	29.557										
May	15	51.97	29.738										
June	15	59.51	29.799										
July	23	59.55	29.739										
Aug.	14	60.44	29.841										
Sept.	24	56.75	29.696										
Oct.	25	50.83	29.623										
Nov.	16	45.34	29.914										
Dec.	18	47.06	29.879										
	235												

Mean Temperature of Year = 49.73

Max. — — — — — = 82.0

Min. — — — — — = 23.0

Mean Barometer — — — — — = 29.731

Max (on Nov 11) — — — — — = 30.580

Min ("Oct. 7) — — — — — = 28.733

0.027

for 1857 - Summer = $\frac{1}{45}$
 Winter = $\frac{1}{180}$
 Year = $\frac{1}{72}$