

1887	9 A.M.			Hygrom	Anemometer		Rain		Clouds		Weather	
January	Bar.	Att. Ther.	Day	Wet	Dir.	Sp.	Square	Kew	Amount	Form	At time	Since last
1	30.026	38.0	40.2	38.9	S	3	0.030	0.049	8	Circ	c	oc
2	29.698	38.5	39.9	39.0	S	3	0.101	0.105	10	Nim	r	or
3	29.015	38.0	40.0	38.8	S	6	0.172	0.168	10	Nim	r	cor
4	29.252	35.0	27.8	27.7	SW	1	0.109	0.112	10	Circ	o	co
5	28.668	34.2	33.7	32.9	SW	2	-	-	2	Circ	bc	pc
6	28.704	34.0	30.4	30.1	SW	1	-	-	10	Circ	o	o
7	28.760	35.0	23.0	22.8	S	1	0.048	0.052	2	Circ	bc	oc
8	29.000	32.2	29.9	28.6	SW	0.5	0.075	0.081	9	Circ	c	oc
9	29.204	32.5	29.8	29.3	WSW	1	-	-	10	Nim	s	cos
10	29.458	27.8	17.1	16.2	WSW	0.5	0.497	0.522	9	Circ	c	c
11	29.116	38.0	43.8	42.7	SSW	2	-	-	10	Cum	og	ro
12	30.038	34.8	33.2	32.7	SSW	1	-	-	0	Clear	b	bc
13	30.008	36.7	39.7	37.5	S	3	0.106	0.105	10	Circ	o	co
14	30.194	36.0	33.7	33.0	SSW	1	--	--	2	Circ	bc	bc
15	30.116	34.0	29.0	29.0	SW	1	0.003	0.005	10	Cum	o	o
16	29.700	34.2	33.3	32.5	SSZ	2	0.152	0.180	10	Cum	o	o
17	29.290	36.2	38.0	36.8	S	6	0.155	0.130	10	Nim	r	or
18	29.647	36.0	36.4	35.0	SSW	1	0.222	0.241	10	Circ	o	bc
19	29.462	43.2	52.7	50.1	SW	6	0.066	0.061	10	Nim	r	op
20	30.328	39.0	37.2	35.7	SW	2	--	--	8	Circ	bc	bc
21	30.366	41.7	43.0	41.7	SW	3	--	--	10	Cum	o	o
22	30.235	42.2	44.8	43.6	SW	3	-	-	10	Cum	o	o
23	30.196	42.5	43.2	41.0	SSW	1	-	-	10	Circ	o	o
24	29.776	41.8	44.1	41.9	SSZ	4	0.030	0.030	9	Cum	c	o
25	29.562	45.0	51.7	50.1	S	4	-	-	10	Circ	o	o
26	29.802	46.7	50.6	49.1	SSW	2	-	-	10	Circ	o	o
27	29.840	47.0	50.1	48.4	S	3	0.012	0.014	8	Circ	cb	oc
28	29.936	46.0	45.7	44.7	SW	4	-	-	9	Circ	c	oc
29	29.983	47.5	47.9	45.4	SSW	5	-	-	10	Cum	c	oc
30	29.840	46.5	45.0	42.9	SSW	3	0.133	0.135	8	Circ	cb	oc
31	29.631	42.8	36.8	35.1	SSW	3	0.213	0.213	8	Circ	bc	roc
							2.124	2.203				

Snow on ground

Hoar Frost a.m.

Hoar Frost a.m.

Do Do.

10 P.M.

Hygrom

Anemometer

Therm.

	E	A	Bar	Dry } Wet }	Dir. Wet	Sp.	Relative Max. Humidity	Flash Min. Force
26	239	213	30.239	40.0	38.7		90	.220
26	236	210	29.908	39.7	38.8		92	.226
25	231	206	29.221	39.8	38.6		91	.221
17	238	221	29.473	27.7	27.6		98	.149
14	231	217	28.885	33.6	32.8		91	.177
14	232	218	28.922	30.3	30.0		96	.161
17	237	220	28.980	22.9	22.7		95	.116
9	235	226	29.226	29.8	28.5		79	.132
10	236	226	29.430	29.7	29.2		92	.151
+ 2	245	247	29.705	17.0	16.8		71	.066
25	230	205	29.321	43.6	42.5		91	.259
17	242	225	30.263	33.1	32.6		94	.178
22	239	217	30.225	39.5	37.3		82	.200
20	243	223	30.417	33.6	32.9		92	.179
15	244	229	30.345	28.9	28.9		100	.159
15	239	224	29.924	33.2	32.4		91	.173
20	234	214	29.504	37.8	36.7		91	.206
20	237	217	29.864	36.3	34.9		88	.188
38	229	191	29.653	52.6	50.0		82	.327
28	242	214	30.542	37.0	35.6		86	.193
36	241	205	30.571	42.8	41.5		89	.247
36	238	202	30.437	44.6	43.4		91	.267
37	239	202	30.398	43.0	40.8		83	.230
35	235	200	29.976	43.9	41.7		84	.240
44	230	186	29.748	51.6	50.0		89	.340
48	232	184	29.986	50.5	49.0		89	.328
49	232	183	30.023	52.0	48.0		86	.309
47	235	188	30.124	45.5	44.5		93	.282
51	234	183	30.166	47.8	45.2		81	.270
48	234	186	30.026	44.8	42.7		85	.250
37	237	200	29.831	36.7	35.0		85	.185
		28 ² ₁₃	26.434	257.3	218.6			
		209	29.850	38.3	37.05			

1887	9 P.M.			Hygrom	Anemometer		Clouds Rain		Weather		Corrected		
January	Bar.	Att. Ther.	Dry	Dry- Wet	Dir.	Sp.	Amount Squalls	Form Low	At time of obs.	Since last obs.	Max.	Min.	
1	29.911	39.0	40.0	38.0	S	3	10	Circ	o	co	42.5	39.0	
2	29.605	38.0	35.5	34.0	SW	2	9	Cirs	c	poc	41.0	34.1	
3	29.041	36.0	31.1	30.0	WSW	1	2	Circ	bc	poc	40.1	30.2	
4	28.802	35.0	31.2	31.1	S	4	10	Nim	s	co	33.3	27.3	Snowstorm
5	28.606	34.3	31.0	30.5	SSW	1	10	Circ	o	co	34.9	29.6	
6	28.740	34.0	30.6	30.4	S	0.5	10	Circ	o	o	33.1	28.5	
7	28.886	34.5	27.6	26.5	SW	1	10	Circ	o	po	31.6	22.5	Snowshowers during day
8	29.068	33.8	31.9	31.6	NW	1	2	Circ	bc	bc	33.7	25.2	
9	29.358	32.6	26.1	25.6	WSW	1	7	Circ	bc	oc	32.2	22.5	
10	29.276	35.0	41.2	40.5	SSW	5	10	Nim	r	co	41.6	11.7	Thaw from 11 a.m.
11	29.690	36.0	35.1	33.5	WSW	2	1	Circ	bc	oc	49.0	35.0	
12	30.108	35.8	35.1	33.1	S	2	4	Cirs	bc	bc	39.5	30.5	
13	30.054	37.5	38.4	38.0	SSW	1	7	Cums	bc	po	41.6	33.6	
14	30.222	35.8	28.4	28.3	SSW	0.5	5	Circ	f	bf	41.8	27.6	Fog 9 p.m.
15	29.840	35.2	35.0	32.7	SSW	1	10	Cums	o	o	41.2	34.5	
16	29.736	34.4	34.0	33.0	SSW	1	10	Cums	o	o	41.0	31.0	
17	29.357	37.8	41.4	39.8	SW	2	8	Cums	cb	po	42.5	33.0	
18	29.424	39.5	50.1	49.6	SSW	3	10	Cums	og	op	50.6	33.2	
19	29.912	41.0	37.0	35.5	N	1	3	Cums	bc	poc	53.1	36.3	
20	30.356	42.4	43.7	41.2	SW	3	10	Cums	og	bco	45.7	33.6	
21	30.252	42.0	44.0	42.8	SW	3	10	Cums	o	o	45.5	42.0	
22	30.200	43.0	44.6	43.8	SW	2	10	Cums	o	o	46.9	43.3	
23	30.078	41.7	40.2	37.7	S	2	10	Cums	og	o	44.8	39.3	
24	29.613	43.8	47.8	45.6	SSW	4	10	Cums	og	co	47.8	39.5	
25	29.686	46.5	50.1	47.9	S	4	10	Circ	o	o	53.0	46.2	
26	29.887	48.0	50.9	48.8	S	4	10	Circ	o	o	53.6	48.9	
27	29.768	48.5	50.1	48.9	SSW	4	10	Cums	og	o	53.4	47.5	
28	29.964	48.2	50.9	48.9	SW	5	10	Cums	og	o	51.6	42.1	
29	29.930	49.5	50.5	48.1	SSW	3	10	Cums	o	bco	52.7	45.3	
30	29.824	46.0	47.7	46.2	NW	0.5	10	Nim	r	bcor	50.6	42.5	
31	29.477	43.3	39.4	38.2	SW	1	10	Circ	o	op	48.1	33.8	
											118.0	127.3	
											43.81	34.17	✓

18	10 P.M.			Hygrom	Anemometer		Therm.		Sunshine
	E	A	Bar	Dry } Wet }	Dir. } Vel }	Sp.	Max.	Min.	in hours
28	238	210	30.121	39.8	37.8		84	206	1.4
25	238	213	29.818	35.4	33.9		87	179	-
20	235	215	29.256	31.0	29.9		84	146	-
17	233	216	29.018	31.1	31.0		99	172	-
15	232	217	28.823	30.9	30.4		93	161	2.2
14	232	218	28.958	30.5	30.3		97	165	-
16	243	227	29.106	27.5	26.4		79	117	-
13	234	221	29.289	31.8	31.5		96	173	2.3 8
10	240	230	29.588	26.0	25.5		88	124	-
17	232	213	29.489	41.0	40.3		94	242	-
20	239	219	29.909	35.0	33.4		84	172	-
19	242	223	30.331	35.0	33.0		80	164	6.6 12
24	240	216	30.270	38.2	37.8		97	222	-
20	246	226	30.448	28.3	28.2		98	152	5.9 14
17	239	222	30.062	34.9	32.6		78	158	-
16	239	223	29.959	33.9	32.9		89	175	-
24	233	209	29.566	41.2	39.6		88	225	-
29	229	200	29.624	50.0	49.5		97	348	-
34	239	205	30.117	36.9	35.4		88	191	-
38	239	201	30.557	43.5	41.0		80	229	3.3 20
36	238	202	30.454	43.8	42.6		91	259	-
39	238	199	30.399	44.4	43.6		94	274	-
35	239	204	30.282	42.0	37.5		80	198	-
40	231	191	29.804	47.7	45.4		84	276	0.6 20
48	231	183	29.869	50.0	47.8		85	304	-
52	232	180	30.067	50.8	48.7		86	319	-
53	232	179	29.947	50.0	48.8		92	329	1.2
52	233	181	30.145	50.8	48.8		87	321	0.2
56	233	177	30.107	50.4	48.0		84	305	4.7
46	233	187	30.011	47.6	46.0		89	290	3.8
39	235	196	29.673	39.2	38.0		90	216	-
			29.841	286.6	245.6				30 2
				39.25	37.92				

1887	9 A.M.			Hygrom	Anemometer		Rain		Clouds		Weather		
February	Bar.	Att. Therm	Dry	Wet	Dir.	Sp.	Square	Kew	Amount	Form	Since last obs	Since last obs	
1	29.618	40.4	34.4	33.1	SW	2	0.040	0.068	7	Circ	bc	poc	Hoar Frost early morn.
2	29.266	41.2	41.2	40.1	S	5	0.441	0.457	10	Nim	r	cop	
3	29.205	44.5	50.1	48.4	SSW	7	0.050	0.026	10	Cum	o	op	(Error of 0.100)
4	29.811	42.3	43.7	41.0	SSW	5	0.109	0.107	10	Cum	o	co	
5	30.003	41.4	42.3	41.4	SW	2	0.002	0.005	10	Circ	o	op	
6	30.419	38.0	36.1	33.1	SW	0.5	-	-	0	Clear	b	cb	Hoar Frost a.m.
7	30.370	42.8	45.1	43.0	E	1	0.005	0.007	10	Circ	o	o	
8	30.431	40.0	38.2	36.1	SSW	1	-	-	2	Circ	bc	oc	Hoar Frost early morn.
9	30.444	37.2	31.8	30.1	S	1	-	-	0	Clear	b	b	
10	30.378	35.0	27.1	26.8	S	0.5	-	-	10	Circ	c	bc	
11	30.375	35.0	30.2	30.1	S	0.5	0.005	0.008	10	Circ	o	f	Hoar Frost a.m.
12	30.426	35.0	33.4	31.1	E	0.5	-	-	0	Clear	b	cb	Do.
13	30.467	36.7	39.2	36.1	NE	1	-	0.015	3	Cum	bc	cb	
14	30.124	38.0	38.3	38.2	Calm	0	0.026	0.018	10	Circ	o	o	
15	30.209	37.0	37.7	36.2	SSW	1	-	-	10	Circ	o	bc	
16	30.145	36.6	34.0	32.1	SSW	2	0.158	0.160	6	Circ	cb	ocb	
17	30.039	39.2	42.0	41.7	S	2	0.036	0.035	10	Nim	r	or	
18	29.834	42.0	44.8	43.9	NW	1	-	-	10	Circ	o	op	
19	30.130	42.0	43.0	42.0	WSW	1	0.020	0.022	10	Cum	o	o	
20	29.729	43.0	44.0	43.2	SSW	3	-	-	10	Cum	a	op	
21	29.830	40.0	38.8	37.8	SW	1	-	0.007	9	Circ	c	co	
22	29.577	43.6	48.1	46.2	SSW	4	0.277	0.280	10	Circ	o	o	
23	29.503	47.0	50.5	47.3	SSW	7	0.070	0.073	10	Nim	p	op	
24	29.371	47.5	50.1	49.0	SSW	5	0.141	0.158	10	Nim	r	or	
25	29.875	44.0	42.0	39.2	W	2	-	-	0	Clear	b	ocb	
26	29.974	44.0	44.3	41.4	S	5	-	-	2	Circ	bc	bc	
27	30.188	44.8	47.7	43.9	SSW	4	-	-	4	Cum	bc	bc	
28	30.198	43.5	41.0	39.2	SSW	2	-	-	5	Circ	bc	c	
29													
30													
31													
							1.380	1.446					

10 P.M.

Hygrom

Anemometer

Therm.

E

A

Bar

Dry }
Wet }Dir.
Wet

Sp.

Max.

Min.

30	238	208	29.826	34.3	33.0		86	-172
33	232	199	29.465	41.0	39.9		91	-233
40	227	187	29.372	50.0	48.3		88	-317
37	235	198	30.009	43.5	40.8		79	-225
35	237	202	30.205	42.1	41.2		93	-248
26	244	218	30.637	36.0	33.0		74	-158
40	239	199	30.569	44.9	42.8		85	-251
31	243	212	30.643	38.0	36.0		83	-190
23	245	222	30.666	31.7	30.0		78	-140
18	247	229	30.607	27.0	26.7		93	-137
18	246	228	30.603	30.1	30.0		99	-165
18	245	227	30.653	33.3	31.0		76	-144
23	243	220	30.687	39.0	36.0		77	-181
26	241	215	30.339	38.1	38.0		99	-227
23	241	218	30.427	37.5	36.1		86	-197
20	242	222	30.367	33.9	32.0		80	-156
28	237	209	30.243	41.8	41.5		98	-258
36	234	198	30.032	44.6	43.7		94	-274
36	238	202	30.332	42.8	41.8		92	-254
38	234	196	29.925	43.8	43.0		94	-267
30	238	208	30.038	38.6	37.6		92	-245
40	231	191	29.768	48.0	46.0		86	-285
49	230	181	29.684	50.4	47.2		79	-287
50	229	179	29.550	50.0	48.9		92	-332
41	237	196	30.071	41.8	39.0		79	-209
42	236	194	30.168	44.1	41.2		77	-227
44	236	192	30.380	47.6	43.7		73	-242
41	239	198	30.396	40.8	39.0		86	-217

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15

30.587 14.7 26.74

205 30.203 40.52 38.84

1887	9 P.M.			Hygrom	Anemometer		Clouds Rain		Weather		Corrected	
February	Bar	Alt Ther.	Dry	Wet	Dir.	Sp.	Amount Square	Form How	At time of obs.	Since last obs.	Max	Min.
1	29.726	41.5	36.5	34.8	S	2	8	Circ	cb	bco	43.4	32.0
2	29.303	41.0	39.8	38.0	SSW	2	10	Circ	c	opc	47.4	34.1
3	29.509	44.0	42.5	39.0	SW	4	2	Circ	bc	opc	51.5	39.0
4	29.738	45.5	49.7	47.1	S	5	10	Circ	c	op	51.6	38.3
5	30.339	42.0	33.5	32.4	W	1	0	Clear	b	bc	50.0	32.7
6	30.339	42.2	42.8	40.1	SE	2	10	Circ	o	bco	45.5	26.9
7	30.419	42.4	39.9	39.0	SE	3	10	Circ	c	o	46.4	39.0
8	30.434	39.4	32.1	31.4	SE	0.5	0	Clear	b	bc	42.5	31.8
9	30.400	39.0	34.9	33.9	S	2	0	Clear	b	b	40.8	28.8
10	30.362	36.0	28.8	28.8	S	0.5	10	Fog	f	bco	37.7	22.8
11	30.370	37.8	33.9	33.8	NE	0.5	9	Circ	c	c	39.8	26.0
12	30.468	36.7	33.3	33.1	NE	1	9	Circ	c	bco	41.1	27.5
13	30.356	38.2	35.1	34.6	Calm	0	10	Circ	o	bc	43.2	30.2
14	30.069	38.0	36.1	34.2	SE	1	0	Clear	b	oc	41.7	34.3
15	30.192	39.0	37.8	35.8	SE	1	10	Circ	o	bco	42.8	27.0
16	30.147	38.2	39.6	38.6	SSW	2	10	Circ	og	cpo	39.7	30.0
17	29.820	42.0	48.1	47.8	SW	2	10	Cums	og	po	50.5	39.1
18	30.076	42.3	41.7	40.0	NNW	1	10	Cums	o	bc	49.5	40.4
19	29.994	43.0	43.5	41.9	SSW	3	10	Cums	og	co	48.6	37.6
20	29.792	41.7	36.9	35.8	SW	1	4	Circ	bc	oc	46.8	36.8
21	29.748	42.0	43.3	41.5	SSW	3	10	Circ	o	co	47.4	34.2
22	29.498	46.0	50.1	48.7	SW	4	10	Cums	og	op	55.1	42.0
23	29.453	47.2	49.5	47.0	SSW	5	9	Cums	c	c	54.2	48.1
24	29.460	47.2	45.9	44.3	SW	2	10	Cums	o	po	52.5	45.7
25	30.075	45.0	42.2	38.0	SE	3	4	Cirs	bc	bc	51.6	36.3
26	30.082	46.2	45.5	44.5	S	5	2	Cirs	bc	bc	54.5	38.0
27	30.197	46.0	43.0	38.0	SSW	3	9	Cirs	bc	bc	55.4	41.5
28	30.194	46.0	42.2	40.9	SSW	2	0	Clear	b	bc	53.5	37.0
29												
30												
31												
											204.7	137.1
											47.31	34.90

Aurora 10 p.m.

10 P.M.

Hygrom

Anemometer

Therm.

Sunshine

	E	A	Bar	Dry } Wet	Dir. } Wet	Sp.	Max.	Min.		in hours:
34	238	204	29.930	36.4	34.7		85	.184		4.4
33	233	200	29.503	39.6	37.8		85	.208		-
41	234	193	29.702	42.3	38.8		75	.201		3.7
45	232	187	29.925	49.6	47.0		82	.291		-
36	244	208	30.547	33.4	32.3		91	.172		3.4
36	240	201	30.543	42.6	39.3		80	.217		7.0
38	242	204	30.623	39.7	38.8		92	.226		-
31	245	214	30.648	32.0	31.3		91	.165		7.0
29	244	215	30.615	34.8	33.8		91	.182		7.5
20	247	227	30.589	28.7	28.7		100	.158		3.5
25	244	219	30.589	33.8	33.7		99	.192		1.4
22	246	224	30.692	33.2	33.0		98	.186		4.7
26	244	218	30.574	35.0	34.5		95	.194		7.5 13
26	241	215	30.284	36.0	34.1		83	.177		4.7 14
28	241	213	30.405	37.6	35.7		84	.190		0.9 15
26	239	213	30.360	39.4	38.4		92	.222		- 16
26	234	198	30.018	48.0	47.7		98	.327		2.2 17
37	239	202	30.278	44.5	39.8		87	.227		0.9 18
39	237	198	30.192	43.3	41.7		88	.246		- 19
35	238	203	29.995	36.8	35.7		91	.197		1.7 20
36	235	199	29.947	43.1	41.3		85	.239		- 21
46	230	184	29.682	50.0	48.6		90	.324		1.7 22
49	230	181	29.634	49.4	46.8		83	.290		- 23
49	232	183	29.643	45.7	44.1		89	.270		7.7 24
44	238	194	30.269	42.0	37.8		71	.187		8.2 25
47	237	190	30.272	45.3	44.3		92	.277		4.9 26
47	238	191	30.388	42.8	37.8		65	.181		8.4 27
47	239	192	30.386	42.0	40.7		90	.239		8.4 28
			34.253	284.0	238.8					
			30.223	40.14	38.53					

90.8

1887

9 A.M.

Hygrom

Anemometer

Rain

Clouds

Weather

March

Bar.

Att.
Therm.

Dry

Wet

Dir.

Sp.

Square

Kew

Amount

Form

At time
of obs.Since
last obs.

1	30.292	45.0	43.0	42.5	SSW	2	-	-	10	Circ	o	bco	1
2	30.394	46.0	46.3	44.9	SW	1	-	-	10	Circ	o	o	2
3	30.351	46.0	46.2	43.0	SW	1	-	-	10	Circ	o	o	3
4	30.284	44.7	41.2	38.8	S	0.5	-	-	10	Circ	o	o	4
5	30.099	41.8	32.1	31.6	S	0.5	-	-	10	Fog	f	bf	5
6	30.000	41.4	41.4	40.9	ENE	1	-	-	10	Circ	o	o	6
7	30.091	42.0	39.2	38.2	ENE	1	-	-	10	Circ	o	o	7
8	30.008	41.0	38.7	37.1	E	0.5	-	-	10	Circ	o	co	8
9	29.870	40.5	40.6	39.2	WSW	1	-	-	10	Circ	o	co	9
10	29.874	41.0	41.5	40.9	S	1	0.033	0.035	10	Circ	o	o	10
11	29.714	41.0	40.2	38.8	SSW	1	0.170	0.171	10	Circ	o	o	11
12	29.932	36.2	34.1	32.7	NNW	2	-	-	1	Cum	bc	bc	12
13	30.064	36.0	36.1	34.1	NNW	0.5	0.024	0.027	3	Circ	bc	bc	13
14	29.657	36.0	34.1	33.2	SW	1	0.159	0.161	10	Circ	o	cop	14
15	29.734	34.8	34.3	32.7	NNW	1	-	-	4	Cum	bc	cb	15
16	29.858	34.0	35.9	34.2	N	1	-	-	0	Clear	b	b	16
17	30.017	35.8	38.1	35.9	NNW	0.5	-	-	9	Cum	c	c	17
18	30.036	38.0	43.3	41.2	NW	1	0.020	0.020	10	Cum	c	oc	18
19	30.101	38.0	36.9	36.1	NNW	0.5	-	-	10	Cum	o	o	19
20	29.926	37.0	37.9	35.2	E	2	-	-	8	Circ	bc	oc	20
21	29.552	36.0	33.1	32.1	SE	1	0.100	0.100	10	Circ	o	co	21
22	28.979	37.8	40.0	38.3	WSW	2	0.054	0.057	10	Circ	o	op	22
23	28.987	40.0	41.9	39.0	WSW	3	0.021	0.020	7	Cum	bc	oc	23
24	29.145	40.0	41.7	39.0	SW	4	0.230	0.233	6	Cum	bc	bc	24
25	29.425	41.3	43.7	43.0	WNW	3	0.034	0.035	9	Cum	cp	op	25
26	29.870	41.7	41.8	40.8	SSW	2	0.100	0.101	10	Cum	od	co	26
27	29.704	44.5	47.8	44.2	W	4	0.038	0.038	8	Cum	bc	oc	27
28	30.032	44.0	47.7	45.0	W	1	-	-	8	Cum	bc	c	28
29	30.164	45.0	47.1	43.0	SW	0.5	-	-	10	Circ	o	o	29
30	30.180	43.0	47.0	44.0	S	0.5	-	0.015	7	Circ	bc	bc	30
31	29.950	46.5	44.0	42.3	W	1	0.030	0.030	10	Cum	od	co	31

1.013

1.043

slight snowshowers

18	10 P.M.			Hygrom	Anemometer		Therm.			
	E	A	Bar	Dry } Wet }	Dir. Wet	Sp.	Max.	Min.		
44	237	195	30.487	42.8	42.3		96	266		
47	238	191	30.585	46.1	46.7		90	279		
47	238	191	30.542	46.0	42.8		78	260		
44	240	196	30.480	46.0	38.6		81	208		
35	242	207	30.306	32.0	31.5		93	170		
35	238	203	30.203	44.2	40.7		97	248		
36	240	204	30.295	39.0	38.0		92	218		
34	240	206	30.214	38.5	36.9		87	201		
32	238	206	30.076	40.1	39.0		89	222		
33	237	204	30.078	41.3	40.7		96	247		
33	236	203	29.917	40.0	38.6		89	218		
20	240	220	30.152	34.0	32.6		85	168		
20	241	221	30.285	36.0	34.0		82	175		
20	239	219	29.876	34.0	33.1		90	178		
17	237	222	29.956	34.2	32.6		83	166		
15	240	225	30.083	35.8	34.1		85	179		
19	240	221	30.238	37.9	35.8		82	188		
26	237	211	30.247	43.1	41.0		83	233		
26	241	215	30.316	36.8	36.0		93	202		
23	239	216	30.142	37.7	35.9		78	178		
20	238	218	29.770	32.0	32.0		89	167		
24	230	206	29.185	39.8	38.1		87	211		
30	230	200	29.187	41.7	38.8		79	206		
30	231	201	29.346	46.5	38.8		80	207		
34	232	198	29.623	43.5	42.8		94	267		
35	237	202	30.072	41.6	40.6		93	242		
42	232	190	29.894	47.7	44.0		75	246		
42	235	193	30.225	47.6	44.8		81	265		
44	237	193	30.357	47.0	42.8		72	229		
39	237	198	30.378	46.8	43.8		80	252		
48	236	188	30.138	43.8	42.1		87	248		
		163	33.653	11.8	266.7					
		205	30.086	40.38	38.60					

1887	9 P.M.				Hygrom	Anemometer		Clouds Rain	Weather		Corrected	
March	Bar.	Att. Ther.	Dry	Wet	Dir.	Sp.	Amount Square	Form How	At time of obs.	Since last obs.	Max	Min.
1	30.352	46.0	46.8	46.2	SW	1	10	Circ	o	o	48.4	40.0
2	30.378	46.5	46.3	44.4	SSW	2	10	Circ	o	o	50.2	44.1
3	30.309	46.0	43.6	40.9	W	0.5	10	Circ	o	o	48.3	43.0
4	30.196	44.8	33.7	33.6	S	0.5	0	Clear	b	bc	49.2	33.4
5	29.998	43.8	39.0	38.7	ENE	1	10	Circ	o	oc	47.3	28.0
6	30.032	43.2	37.3	36.9	NE	1	9	Cirs	c	c	49.5	35.2
7	30.060	41.8	35.1	34.1	E	1	8	Circ	cb	o	45.0	34.3
8	29.912	41.0	33.1	32.1	Calm	0	3	Circ	bc	oc	40.1	33.0
9	29.906	41.8	41.2	40.2	WNW	1	10	Circ	o	o	47.5	30.9
10	29.778	42.0	41.2	40.0	S	1	10	Circ	o	op	44.7	37.0
11	29.778	38.0	32.0	31.3	ENE	2	10	Cums	c	os	46.2	31.8
12	30.062	36.0	27.9	26.7	ENE	0.5	4	Cum	bc	bc	38.9	24.2
13	29.976	36.3	30.1	28.8	WNW	1	10	Cum	c	bc	39.7	24.0
14	29.718	36.8	30.7	29.9	NE	1	9	Cums	c	op	44.2	28.2
15	29.772	35.8	28.4	27.9	N	1	0	Clear	b	bc	38.7	24.3
16	29.975	36.2	29.9	29.0	ENE	0.5	7	Circ	bc	bc	43.0	23.2
17	30.029	38.4	37.7	35.1	WSW	1	10	Cums	o	co	39.7	27.8
18	30.081	39.4	36.1	34.1	ENE	0.5	10	Cums	o	pc	44.1	34.7
19	30.026	38.0	35.3	34.1	SE	0.5	10	Cums	o	op	44.8	30.0
20	29.767	37.0	34.7	33.7	SSW	1	7	Cum	bc	bc	41.5	28.3
21	29.166	37.7	36.9	34.1	SE	3	10	Cums	og	co	40.0	28.0
22	28.940	40.5	37.5	36.2	S	3	10	Cums	og	cpo	49.1	33.9
23	29.147	40.8	37.9	36.1	SW	4	3	Circ	bc	cp	46.8	34.2
24	29.231	41.7	38.5	37.9	W	2	10	Nim	r	cp	47.5	34.8
25	29.798	43.0	41.2	40.7	WNW	1	7	Cums	bc	cp	50.2	35.2
26	29.624	45.0	50.1	49.1	SW	5	10	Cums	og	op	50.7	38.5
27	29.888	44.5	42.0	40.8	W	2	8	Cum	cb	pc	51.5	39.8
28	30.136	45.8	45.3	44.0	WNW	1	10	Cums	og	co	54.3	40.0
29	30.148	46.7	41.0	39.0	Calm	0	0	Clear	b	cb	55.9	40.2
30	30.120	47.8	44.4	43.3	WSW	1	6	Cirs	bc	bc	59.5	31.3
31	29.856	44.0	39.5	36.0	N	2	10	Cum	c	op	49.5	39.1
											206.0	100.4
											46.64	33.24

Snowshowers in the afternoon

Snowshowers during day. ^{Hail} at 1 pm

18	10 P.M.			Hygrom	Anemometer		Therm.		Sunshine
	E	A	Bar	Dry } Wet }	Dir. } Vel }	Sp.	Max.	Min.	in hours
47	238	191	30.543	46.6	46.0		96	303	-
49	238	189	30.567	46.1	44.2		86	268	-
47	239	192	30.501	43.4	40.7		79	224	-
44	243	199	30.395	33.6	33.5		99	191	5.2
41	240	199	30.197	38.8	38.5		98	230	0.9
40	240	200	30.232	37.1	36.8		97	215	2.9
35	241	206	30.266	35.0	34.0		90	184	-
34	241	207	30.119	33.0	32.0		89	167	4.7
35	237	202	30.108	41.0	40.0	+	92	235	-
36	236	200	29.978	41.0	39.8		90	231	-
25	240	215	29.993	31.9	31.2		91	164	-
20	245	225	30.287	27.8	26.6		77	116	9.3
21	243	222	30.198	30.0	28.7		79	133	6.1
22	240	218	29.936	30.6	29.8		89	148	-
20	243	223	29.995	28.3	27.8		90	140	8.4
20	243	223	30.198	29.8	28.9		85	141	9.4
27	240	213	30.242	37.5	35.0		79	177	-
31	241	210	30.291	36.0	34.0		82	175	2.4
26	241	215	30.241	35.2	34.0		88	182	-
22	239	217	29.984	34.6	33.6		91	181	7.7
24	233	209	29.375	36.8	34.0		76	167	1.3
31	231	200	29.140	37.3	36.1		90	199	4.8
32	233	201	29.348	37.7	36.0		85	193	8.3
33	233	200	29.431	38.3	37.7		95	219	6.1
38	236	198	29.996	41.0	40.5		96	246	4.3
44	231	187	29.811	30.0	49.0		93	334	-
42	237	195	30.083	41.8	40.6		91	240	6.3
45	237	192	30.328	45.1	43.8		90	270	1.7
49	239	190	30.338	40.8	38.8		84	214	6.0
51	237	186	30.306	41.2	43.1		92	265	9.9
41	238	197	30.053	39.3	35.9		74	177	-
			33.480	232.6	200.6				106.7 ✓
			30.080	37.73	36.47				

1887	9 A.M.			Hygrom	Anemometer		Rain		Clouds		Weather	
April	Bar.	Alt. Ther.	Dry	Wet	Dir.	Sp.	Square	Kew	Amount	Form	At time of obs.	Since last obs.
1	29.908	47.5	42.0	40.0	N	3	-	-	8	Circ	c	oc
2	29.876	45.0	47.7	45.5	NNW	1	-	-	10	Circ	o	o
3	29.936	46.0	47.0	45.3	W	1	0.193	0.196	10	Circ	o	o
4	29.442	46.0	45.0	43.9	W	1	0.035	0.043	10	Circ	o	or
5	29.442	43.5	43.3	39.6	WNW	1	0.040	0.041	8	Cum	bc	cb
6	30.003	41.0	39.9	36.1	NNE	2	-	-	8	Cum	bc	cb
7	30.047	40.0	39.2	35.1	NE	3	-	-	10	Circ	o	bco
8	30.127	38.7	42.2	38.0	NE	2	-	-	2	Cum	bc	bc
9	30.120	40.0	39.9	39.2	NNE	0.5	-	-	0	Clear	b	bc
10	30.064	41.8	43.7	40.4	E	1	-	-	10	Circ	o	o
11	29.996	41.7	49.0	45.7	E	1	-	-	6	Circ	bc	bc
12	29.960	44.2	48.9	46.9	NE	1	-	-	7	Circ	bc	bfc
13	30.082	45.0	43.7	41.0	ENE	1	-	-	10	Circ	o	co
14	30.258	43.0	42.2	38.2	NE	1	-	-	5	Circ	bc	bc
15	30.266	45.0	50.4	47.6	WNW	2	-	-	10	Circ	c	cp
16	30.365	44.0	49.1	47.4	NNE	0.5	-	-	7	Cum	bc	oc
17	30.406	45.9	49.3	43.8	SSW	3	-	-	6	Cum	bc	bc
18	30.331	46.1	47.3	44.4	SW	2	-	-	3	Circ	bc	c
19	30.181	47.8	49.1	44.8	WSW	2	-	-	10	Circ	o	co
20	29.888	50.0	52.0	47.0	WSW	2	0.229	0.250	10	Circ	o	co
21	29.503	50.0	50.1	48.7	SSW	3	0.180	0.174	10	Circ	od	op
22	29.159	50.0	49.5	46.9	SW	2	0.125	0.124	10	Cum	o	op
23	28.842	48.0	46.7	43.8	S	2	0.267	0.265	10	Cum	o	cp
24	29.126	46.0	46.0	41.7	NNW	1	0.003	0.007	10	Circ	op	op
25	29.408	43.8	47.2	41.0	W	2	0.172	0.162	7	Cum	cb	oc
26	29.472	43.0	41.5	35.5	WSW	2	0.035	0.040	9	Cum	c	oc
27	29.516	42.0	39.2	37.7	SW	2	0.010	0.010	10	Circ	o	bco
28	29.705	43.0	45.5	41.8	SW	3	0.116	0.120	4	Cum	bc	bc
29	29.769	42.8	48.2	43.7	E	1	0.017	0.019	8	Cum	bc	bc
30	29.972	44.5	46.2	43.4	ENE	1	0.037	0.037	8	Cum	bc	bc
Σ							1.459	1.496				

Hail shower 11 a.m.

Fog early morning

10 P.M.

Hygrom

Anemometer

Therm.

	E	A	Bar	Dry } Wet }	Dir. Wet	Sp.	Max.	Min.
51	237	186	30.094	41.8	39.8		.725	85
44	234	190	30.066	47.6	45.3		.275	84
47	234	187	30.123	46.8	45.1		.279	88
46	231	185	29.627	44.8	43.7		.271	92
40	232	192	29.634	43.1	39.4		.203	73
34	238	204	30.207	39.7	36.0		.175	71
31	238	207	30.254	39.0	35.0		.2164	70
27	238	211	30.338	42.0	37.8		.187	71
31	238	208	30.328	39.7	39.0		.230	94
35	237	202	30.266	43.5	40.2		.214	75
35	234	199	30.195	48.9	45.5		.267	78
42	234	192	30.152	48.8	46.7		.295	85
44	237	193	30.275	43.5	40.8		.225	79
39	240	201	30.459	42.0	38.0		.190	72
44	236	192	30.458	50.3	47.5		.295	81
42	237	195	30.560	44.0	47.3		.305	88
48	237	189	30.595	44.2	43.6		.226	64
47	237	190	30.521	47.2	44.2		.255	79
52	235	183	30.364	42.0	44.6		.247	71
58	233	175	30.063	51.9	46.8		.264	69
57	230	173	29.676	50.0	48.6		.324	70
56	228	172	29.331	42.4	46.7		.287	82
51	226	175	29.017	46.5	43.6		.251	80
45	229	184	29.310	45.8	41.5		.218	71
40	230	190	29.598	47.1	40.8		.193	60
38	233	195	29.667	42.3	35.4		.148	54
36	235	199	29.715	39.0	37.5		.209	88
38	233	175	29.900	45.3	41.6		.223	74
37	233	196	29.965	48.1	43.5		.233	69
43	236	193	30.165	46.0	43.2		.248	80
		203	30.923	167.3	68.7			
		192	30.031	45.58	42.29			

1887	9 P.M.			Hygrom	Anemometer		Clouds Rain		Weather		Corrected	
April	Bar	Alt. Ther.	Dry	Wet	Dir.	Sp.	Square	Kew	At time of obs	Since last obs	Max.	Min.
1	29.850	45.0	44.2	43.2	NW	1	10	Cum	c	bc	50.7	35.9
2	29.940	46.3	44.9	43.8	N	1	10	Circ	o	co	52.0	42.0
3	29.768	46.8	45.2	43.2	SW	2	10	Circ	o	o	50.2	42.5
4	29.379	43.8	35.7	34.4	SW	2	9	Cum	c	cp	47.6	34.5
5	29.802	41.0	35.7	34.7	N	2	9	Cum	c	cp	45.7	30.0
6	30.024	41.0	34.1	31.4	NE	1	0	Clear	b	bc	44.0	29.3
7	30.107	40.7	34.7	33.6	NE	1	0	Clear	b	oc	42.1	30.2
8	30.109	41.8	34.8	34.0	NNW	0.5	2	Cum	bc	bc	49.1	26.2
9	30.104	43.3	40.0	37.2	ENE	1	0	Clear	b	bc	50.6	28.0
10	30.015	43.3	38.6	37.3	SE	1	2	Circ	bc	bc	48.7	29.1
11	29.954	45.0	38.8	37.7	Caln	0	0	Clear	b	bc	55.0	29.0
12	29.985	47.0	41.8	41.2	NNW	0.5	8	Circ	cb	bc	59.8	33.2
13	30.153	45.0	36.9	35.8	NE	1	2	Circ	bc	ocb	49.5	36.2
14	30.277	44.7	35.3	32.7	S	1	4	Circ	bc	bc	49.2	27.0
15	30.304	46.0	42.2	40.9	NNW	0.5	10	Cum	c	c	52.7	34.1
16	30.384	46.1	42.2	38.7	S	3	2	Circ	bc	bc	55.1	31.0
17	30.357	48.2	45.9	41.3	SSW	2	4	Cirs	bc	bc	58.5	34.3
18	30.255	49.5	45.0	42.7	W	1	5	Cirs	bc	bc	60.9	35.1
19	30.068	50.3	47.9	43.6	WSW	2	10	Cums	o	bco	59.5	37.7
20	29.772	50.2	48.4	47.5	SW	2	10	Circ	o	op	55.1	45.0
21	29.303	50.0	46.2	45.7	SSW	1	10	Cums	og	op	55.2	46.0
22	29.018	49.0	42.7	40.9	SW	1	9	Circ	c	cp	53.5	42.2
23	28.938	49.4	42.2	41.2	SSW	1	10	Cums	o	op	51.5	37.4
24	29.294	45.0	36.7	34.2	SW	1	10	Circ	c	cp	48.5	35.2
25	29.494	44.2	37.9	35.5	S	1	10	Cums	og	cp	48.7	31.1
26	29.540	43.5	33.4	32.7	WSW	1	4	Cums	bc	pc	46.8	32.8
27	29.644	43.0	38.3	36.0	WSW	1	0	Clear	b	pcl	49.9	30.0
28	29.722	44.0	37.1	36.9	SE	0.5	4	Cum	bc	pc	50.0	33.0
29	29.900	44.8	37.8	36.9	ENE	0.5	8	Cum	bcp	bc	50.7	30.9
30	30.005	45.3	37.9	36.3	NNW	1	2	Cum	bc	pc	51.2	33.8
31											42.0	34.25
											51.40	34.1

Great Hailshower 4.20 p.m.

Sev. Hailshowers during day

18	10 P.M.			Hygrom	Anemometer		Therm.		Sunshine
	E	A	Bar	Dry } Wet }	Dir } Wind }	Sp.	Max.	Min.	in hours
14	235	191	30.041	44.0	43.0		92	.265	5.9
16	235	187	30.127	44.7	43.6		92	.271	0.7
18	236	187	29.955	45.0	43.0		85	.253	-
20	236	196	29.575	35.6	34.3		88	.185	0.9
22	239	204	30.006	35.6	34.6		91	.191	4.8
24	241	207	30.231	34.0	31.3		74	.144	8.8
26	242	209	30.316	34.6	33.5		90	.179	-
28	241	207	30.316	34.7	33.9		93	.186	11.3
30	240	200	30.304	39.8	37.0		78	.191	5.7
32	241	201	30.216	38.4	37.1		89	.206	4.4
34	239	195	30.149	38.6	37.5		92	.213	10.3
36	238	188	30.173	41.6	41.0		95	.250	7.1
38	241	197	30.350	36.8	35.7		91	.197	4.7
40	243	199	30.476	35.2	32.6		76	.156	10.8
42	240	193	30.497	42.0	40.7		90	.239	1.7
44	240	193	30.577	42.0	38.5		75	.199	8.3
46	238	186	30.543	45.7	41.1		69	.211	11.8
48	238	181	30.436	44.8	42.5		83	.246	9.6
50	235	177	30.245	47.8	43.4		70	.234	7.2
52	233	176	29.948	48.3	47.4		94	.316	-
54	230	174	29.477	46.0	45.5		97	.297	-
56	229	176	29.194	42.5	40.7		86	.234	2.6
58	229	175	29.113	42.0	41.0		92	.245	-
60	235	172	29.486	36.6	34.1		79	.171	7.2
62	236	195	29.689	37.7	35.4		80	.183	8.5
64	238	198	29.738	33.3	32.6		92	.176	4.5
66	237	199	29.843	38.4	35.9		81	.187	4.8
68	237	196	29.918	36.9	36.8		99	.217	7.0
70	239	196	30.096	37.6	36.8		93	.210	11.0
72	240	196	30.201	37.7	36.2		87	.197	6.6
			31.326	29.76	24.67				116.2
			30.041	39.92	38.23				

1887

9 A.M.

Hygrom

Anemometer

Rain

Clouds

Weather

May

Bar.

Alt
Ther.

Dry

Wet

Dir.

Sp.

Square

Kew

Amount

Form

At time
of obsSince
last obs.

1	29.940	44.0	48.1	42.2	NNE	1	-	-	8	Cum	bc	bc
2	29.569	46.2	49.1	43.7	SE	1	-	-	10	Circ	o	o
3	29.504	46.8	49.9	45.0	NNE	1	-	-	3	Cum	bc	oc
4	29.418	47.7	45.0	43.4	NE	1	0.009	0.009	10	Circ	o	co
5	29.521	49.3	53.0	47.7	SE	2	-	-	7	Circ	bc	oc
6	29.681	49.0	55.1	48.0	SE	2	-	-	9	Circ	c	c
7	29.960	51.0	56.8	50.9	WSW	1	-	-	2	Cum	bc	oc
8	30.148	53.0	52.8	50.1	SW	2	0.050	0.053	10	Circ	o	co
9	30.184	52.8	54.1	49.1	W	1	-	-	8	Cum	bc	cp
10	30.259	52.3	52.3	47.0	WNW	2	0.033	0.045	5	Cum	bc	bc
11	30.046	52.8	51.9	50.9	W	2	-	-	10	Nim	r	or
12	30.117	53.0	54.8	51.9	NW	1	-	-	9	Cum	c	c
13	30.263	51.3	50.8	45.6	N	1	-	-	7	Circ	bc	bc
14	30.334	51.0	52.1	49.0	N	1	0.020	0.020	10	Circ	o	o
15	30.278	53.0	54.9	52.0	N	1	-	-	10	Circ	o	op
16	30.185	53.5	55.4	50.2	NNE	1	-	-	7	Circ	bc	oc
17	29.830	53.0	57.1	54.1	SW	3	0.048	0.050	9	Circ	c	c
18	29.820	52.0	51.1	50.0	W	1	0.075	0.076	6	Cum	bc	bc
19	29.544	52.8	51.5	51.1	WNW	1	0.596	0.650	8	Cum	c	poc
20	29.305	47.8	45.9	43.8	NW	3	0.220	0.225	4	Cum	bc	pc
21	29.428	46.0	43.2	43.0	NW	3	0.063	0.064	7	Cum	bc	pc
22	29.740	47.2	47.8	47.1	NW	2	0.185	0.188	10	Cum	o	co
23	29.940	48.8	51.9	48.4	NW	1	0.005	0.005	10	Cum	o	op
24	30.160	50.7	56.0	54.9	W	1	-	-	10	Cum	og	o
25	30.205	52.8	57.5	56.1	NE	1	0.020	0.022	8	Cum	c	c
26	30.214	55.0	55.0	50.9	SE	1	-	-	6	Circ	bc	cp
27	30.063	53.5	56.5	53.7	NNE	1	-	-	10	Circ	o	o
28	29.908	55.0	55.8	54.8	ENE	2	-	-	8	Circ	c	c
29	29.866	55.0	50.0	48.5	ENE	2	-	-	10	Circ	o	bc
30	29.928	53.0	47.3	45.9	NE	1	-	-	10	Circ	o	bc
31	29.988	54.0	50.9	49.1	NE	2	-	-	10	Circ	o	o

1.324

1.407

10 P.M.

Hygrom

Anemometer

Therm.

	E	A	Bar	Dry } Wet }	Dir. Vel.	Sp.	Max.	Min.
42	234	192	30.132	48.0	42.0		62	.206
47	230	183	29.752	49.0	43.5		65	.226
48	230	182	29.686	49.8	44.8		69	.244
51	231	180	29.598	44.8	43.2		88	.260
55	229	174	29.695	52.9	47.6		67	.271
57	230	176	29.857	55.0	47.9		60	.258
60	231	171	30.131	56.7	50.8		66	.305
66	234	168	30.316	52.7	50.0		82	.326
65	234	169	30.353	54.0	49.0		69	.284
64	235	171	30.430	52.2	46.8+		67	.260
65	233	168	30.214	51.8	50.8		73	.359
66	233	167	30.284	54.7	51.8		81	.349
61	235	174	30.437	50.7	45.4		66	.267
60	235	175	30.509	52.0	48.9		79	.308
66	234	168	30.446	54.8	51.9		81	.350
68	235	165	30.350	55.3	50.1		69	.302
55	229	164	29.994	57.0	52.0		81	.377
62	232	170	29.990	51.0	49.9		92	.346
64	229	165	29.709	51.4	51.0		97	.369
51	230	179	29.484	45.7	43.6		85	.260
46	232	186	29.614	43.0	42.8		98	.273
49	232	183	29.923	47.7	47.0		95	.313
54	232	178	30.118	51.6	48.3		77	.297
60	232	172	30.332	55.9	54.8		94	.418
65	232	167	30.372	57.4	56.0		91	.429
71	233	162	30.376	54.9	50.6		75	.322
67	232	165	30.228	56.4	53.6		83	.375
71	231	160	30.068	55.7	54.7		94	.416
71	233	162	30.028	49.9	48.4		90	.320
66	234	168	30.096	47.2	45.7		90	.289
68	234	166	30.154	50.8	49.0		87	.325
		60	33.676	60.2	274.1			
		172	30.086	51.94	48.84			

[illegible]

18	10 P.M.			Hygrom	Anemometer		Therm.		Sunshine
	E	A	Bar	Dry } Wet }	Dir. } Wind }	Sp.	Max.	Min.	in hours
49	234	185	29.919	43.9	38.8		65	.186	7.7
49	234	185	29.739	41.5	40.5		85	.230	1.6
52	232	180	29.633	41.0	42.5		88	.265	6.3
54	232	178	29.633	41.8	40.2		68	.203	2.6
57	233	176	29.776	45.5	42.5		79	.239	9.6
56	232	176	29.972	49.7	44.7		68	.243	7.2
67	233	166	30.292	52.0	48.9		79	.308	-
67	233	166	30.262	53.2	51.2		86	.349	8.1
66	237	171	30.431	46.5	41.6		86	.272	10.9
68	236	168	30.377	47.8	45.3		82	.272	9.8
67	233	166	30.221	50.8	50.4		97	.361	-
65	238	173	30.337	41.7	42.7		86	.251	6.3
62	241	179	30.492	40.2	38.8		89	.220	13.1
62	236	174	30.508	50.2	49.8		98	.354	-
69	235	166	30.414	50.7	48.1		83	.305	-
73	233	160	30.184	51.3	49.9		90	.342	5.2
67	234	167	29.975	46.1	45.7		97	.303	3.1
64	233	169	29.852	46.0	46.0		100	.311	6.7
57	227	170	29.084	45.7	45.7		100	.307	-
49	235	186	29.717	38.7	38.0		94	.221	9.5
49	235	186	29.804	40.1	40.0		99	.246	7.0
52	236	184	29.996	42.4	42.0		97	.262	-
57	234	175	30.243	52.8	52.0		94	.377	-
67	234	167	30.387	53.9	52.9		93	.387	1.6
75	233	158	30.324	55.5	54.7		95	.418	9.3
76	234	158	30.344	51.8	49.8		87	.333	11.0
76	232	156	30.112	53.9	53.1		95	.393	5.0
78	233	155	30.043	51.7	50.7		93	.357	14.7
70	236	166	30.058	45.0	43.0		85	.253	8.8
70	235	165	30.117	48.5	46.5		86	.292	2.3
74	232	158	30.074	52.6	48.8		76	.299	5.1
			33.320	42.5	187.8				17.5
			30.075	47.82	46.06				

1887	9 A.M.			Hygrom	Anemometer		Rain		Clouds		Weather	
June	E	A	Bar	Dry Wet	Dir.	Sp.	Square	Kew	Amount	Form	At time of obs.	Since last obs.
1	29.802	54.4	55.7	47.7	E	2	0.021	0.023	2	Circ	bc	cb
2	29.684	54.0	50.5	47.1	E	2	0.058	0.059	10	Cum	o	o
3	29.688	55.5	58.1	53.1	ENE	1	0.445	0.447	7	Cum	bc	oc
4	29.708	55.0	54.7	52.7	ENE	0.5	-	-	10	Cum	o	ro
5	29.868	57.3	63.7	56.1	SW	1	-	-	3	Circ	bc	bc
6	29.815	58.5	58.4	55.7	S	2	0.062	0.070	10	Circ	o	o
7	29.532	58.0	57.0	54.9	S	3	-	-	10	Circ	o	op
8	29.787	58.3	60.0	53.4	SW	2	0.100	0.100	4	Cum	bc	bc
9	29.918	59.0	59.1	52.3	W	2	-	-	9	Cum	c	bcp
10	30.289	57.7	59.4	54.8	WSW	0.5	-	-	4	Cum	bc	bc
11	30.177	60.0	58.1	56.1	SW	3	-	-	10	Circ	o	o
12	29.946	60.0	63.3	61.4	SW	2	-	-	10	Cum	c	pc
13	29.890	61.0	60.1	57.2	SW	2	-	-	10	Cum	o	o
14	30.048	60.8	58.1	56.9	S	1	-	-	10	Circ	o	o
15	30.186	60.5	60.4	58.0	SW	1	-	-	10	Circ	o	o
16	30.190	61.2	69.5	63.3	S	1	-	-	0	Clear	b	oc
17	30.159	63.8	72.8	62.9	S	0.5	-	-	3	Circ	bc	cb
18	30.180	64.8	74.0	65.1	S	0.5	-	-	2	Circ	bc	bc
19	30.182	66.7	72.2	66.0	NE	1	-	-	0	Clear	b	bc
20	30.280	64.0	60.6	55.1	ENE	1	-	-	1	Cir	b	bc
21	30.284	62.0	65.1	56.3	E	1	-	-	0	Clear	b	b
22	30.269	62.0	70.2	58.9	ENE	1	-	-	0	Clear	b	b
23	30.202	64.5	71.9	62.1	NE	1	-	-	0	Clear	b	cb
24	30.195	65.0	71.7	61.0	ENE	1	-	-	0	Clear	b	b
25	30.181	66.0	70.1	62.3	ENE	1	-	-	8	Circ	bc	bc
26	30.146	66.0	70.8	62.8	NE	1	-	-	0	Clear	b	b
27	30.126	66.0	62.3	58.5	N	1	-	-	10	Circ	o	bfo
28	30.220	65.6	62.7	58.4	NW	1	-	-	10	Circ	o	bco
29	30.355	64.0	60.0	55.7	NNW	0.5	-	-	10	Cum	o	o
30	30.346	63.3	65.4	58.9	NNE	1	-	-	0	Clear	b	oc
31												
							0.686	0.699				

Fog early morn.

10 P.M.

Hygrom

Anemometer

Therm.

E

A

Bar

Dry }
Wet }Wet
Dir.

Sp.

Rel. Hum.
Max.Elast. Force
Min.

69	235	161	29.763	55.6	47.6	56	.248
67	231	164	29.848	50.4	47.0	78	.282
72	229	157	29.845	58.0	53.0	71	.342
70	229	159	29.867	54.6	52.6	87	.370
77	227	150	30.018	63.6	56.0	61	.365
79	229	150	29.965	58.3	55.6	83	.406
78	226	148	29.680	56.9	54.8	87	.400
79	227	148	29.935	59.9	53.3	64	.329
82	228	146	30.064	59.0	52.2	62	.312
78	231	153	30.442	59.3	54.7	73	.369
85	232	147	30.324	58.0	56.0	87	.421
85	227	142	30.088	63.2	61.3	89	.513
87	228	141	30.031	60.0	57.1	83	.426
87	230	143	30.191	58.0	56.8	92	.445
86	230	144	30.330	60.3	57.9	85	.446
87	226	139	30.329	69.4	63.2	68	.488
94	225	131	30.290	72.7	62.8	54	.441
97	224	127	30.307	73.9	65.0	58	.493
102	225	123	30.305	72.1	65.9	68	.543
96	231	135	30.415	60.5	55.0	69	.363
90	229	139	30.423	65.0	56.2	56	.347
90	227	137	30.406	70.1	58.8	49	.362
97	225	128	30.330	71.8	62.0	55	.428
99	225	126	30.321	71.6	60.9	52	.401
101	226	125	30.306	70.0	62.2	62	.452
101	225	124	30.270	70.7	62.7	61	.460
101	228	127	30.253	62.2	58.4	78	.436
100	229	129	30.349	62.6	58.3	76	.428
96	231	135	30.490	59.9	55.6	75	.386
94	229	135	30.481	65.3	58.8	66	.410

121.3
15
30.866 92.9 221.7
140 30.295 63.1 57.39

[illegible]

18	10 P.M.			Hygrom	Anemometer		Therm.		Sunshine
	E	A	Bar	Dry } Wet }	Wet Dir	Sp.	Max.	Min.	in hours
73	232	159	29.861	50.7	48.0		82	302	9.4
74	232	158	29.818	50.8	49.6		91	341	-
74	230	156	29.861	52.0	50.9		92	358	1.4
78	229	151	29.938	56.3	53.7		83	379	4.2
82	229	145	29.973	58.6	55.7		82	405	11.6
87	229	148	29.866	56.0	54.7		91	411	9.3
81	230	149	29.897	51.9	48.0		75	287	11.1
82	230	148	29.966	53.9	50.9		80	334	9.3
79	233	154	30.292	51.3	49.6		88	334	13.1
86	232	146	30.419	57.0	54.5		84	391	-
86	231	145	30.199	57.1	54.8		85	378	6.9
63	228	165	30.061	59.2	55.6		79	394	1.1
88	231	143	30.109	56.0	55.0		93	419	0.1
87	230	143	30.211	57.5	56.0		90	427	6.8
94	231	137	30.341	58.9	56.6		86	426	11.0
99	229	130	30.306	63.6	58.4		71	419	12.4
103	226	123	30.269	68.1	58.1		52	364	14.0
109	228	119	30.299	65.6	63.2		86	342	13.9
108	226	118	30.327	70.9	67.9		83	332	15.3
90	234	144	30.438	53.6	51.1		83	342	14.9
96	232	136	30.415	57.8	55.0		82	395	14.0
99	229	130	30.376	61.8	55.8		67	369	14.9
103	229	126	30.314	61.8	58.8		83	454	15.0
104	228	124	30.308	65.8	58.7		65	401	12.7
107	230	123	30.265	58.9	53.7		70	349	14.2
112	227	115	30.233	65.7	62.7		83	524	9.8
102	233	131	30.312	56.1	52.8		79	359	0.3
102	231	129	30.426	59.0	55.9		81	401	5.0
100	232	132	30.510	58.9	54.8		75	376	12.0
98	232	134	30.396	58.0	56.0		87	421	
			36.006	52.8	55.5				
			30.200	58.43	55.22				

1887	9 A.M.				Hygrom	Anemometer		Rain		Clouds		Weather	
July	Bar	Att. Ther.	Dry	Dry } Wet }	Dir.	Sp.	Square	Kew	Amount	Form	At time of obs.	Since last obs.	
1	30.175	64.8	69.9	61.7	SSW	2	-	-	10	Circ	o	co	
2	30.120	67.8	70.0	63.4	SW	1	0.010	0.011	8	Cum	bc	c	
3	30.020	67.0	69.8	62.7	SW	2	0.237	0.245	9	Cum	c	c	
4	29.862	62.0	63.8	60.1	WNW	1	-	-	10	Cum	o	p	
5	29.892	62.5	58.6	53.9	WNW	1	-	-	10	Circ	o	co	
6	29.940	61.0	56.1	52.0	S	2	0.115	0.119	10	Circ	o	op	
7	29.872	63.0	68.0	62.9	SW	3	-	-	8	Cum	c	c	
8	29.696	64.0	67.4	60.1	SSW	3	0.077	0.082	9	Circ	c	bc	
9	29.592	63.8	63.2	57.2	SSW	1	0.311	0.327	8	Cum	c	c	
10	29.509	63.0	63.9	57.1	WSW	1	0.090	0.095	8	Cum	bc	c	
11	29.600	63.0	60.2	58.7	SW	2	0.043	0.043	10	Nim	d	op	
12	29.591	64.0	65.3	61.0	SSW	3	0.050	0.050	10	Cum	o	o	
13	29.394	64.0	62.9	59.3	SSW	3	0.570	0.571	10	Circ	o	o	Thunder during great shower, 2 ^h 0 p.m.
14	29.694	62.0	63.0	57.2	SW	2	-	-	6	Cum	bc	oc	
15	29.942	61.4	61.8	56.7	WSW	1	0.080	0.084	8	Circ	c	c	
16	30.174	60.8	61.4	55.3	WNW	1	0.138	0.138	7	Circ	bc	bc	
17	30.223	61.0	63.5	58.5	NNE	1	-	-	7	Cum	bc	cb	
18	30.192	60.0	56.0	54.9	NW	1	-	-	10	Circ	o	co	
19	30.239	62.0	67.1	61.9	NW	1	-	-	6	Cum	bc	oc	
20	30.253	64.0	62.9	60.0	NW	1	-	-	10	Circ	o	o	
21	30.136	64.8	65.0	59.3	W	0.5	0.012	0.014	10	Circ	o	o	
22	29.896	64.4	63.8	59.0	WNW	1	-	-	6	Cum	c	op	
23	29.980	63.0	59.4	56.1	WSW	1	0.457	0.477	10	Cum	o	co	
24	29.643	62.5	60.3	57.1	WSW	1	-	-	10	Cum	o	op	
25	29.712	61.0	57.1	52.1	WSW	1	0.010	0.010	10	Cum	o	o	
26	29.344	61.0	59.3	53.1	SSW	4	0.090	0.090	10	Circ	o	o	
27	29.130	60.8	63.0	58.9	SW	3	0.231	0.241	10	Cum	c	cp	
28	29.623	60.5	60.9	57.1	S	3	0.050	0.092	10	Circ	o	o	
29	29.509	61.2	61.7	58.0	SSW	3	0.180	0.150	10	Cum	o	cp	
30	29.421	59.5	59.0	54.0	SW	2	0.018	0.017	6	Cum	bc	bc	
31	29.917	60.0	60.8	55.1	SW	1	0.445	0.470	9	Cum	c	c	Thunder & Lightning 2-3 p.m.
							3.214	3.326					

10 P.M.

Hygrom

Anemometer

Therm.

	E	A	Bar	Dry } Wet	Dir } Wet	Sp.	Max.	Min.		
97	226	129	30.304	69.8	61.6		60	.437		
105	225	120	30.240	69.9	63.3		67	.486		
103	225	122	30.142	69.7	62.6		64	.466		
89	226	137	29.999	63.7	60.0		78	.465		
92	229	137	30.029	58.5	53.8		72	.356		
87	230	143	30.083	56.0	51.9		75	.338		
92	225	133	30.005	67.9	62.8		72	.497		
94	224	130	29.826	67.3	60.0		63	.421		
93	226	133	29.725	63.1	57.1		68	.389		
91	223	132	29.641	63.8	57.0		64	.378		
91	226	135	29.735	60.1	58.6		91	.471		
94	224	130	29.721	65.2	60.9		77	.472		
94	223	129	29.523	62.8	59.2		79	.452		
89	226	137	29.831	62.9	57.1		68	.391		
88	228	140	30.082	61.7	56.6		71	.391		
86	230	144	30.318	61.3	55.2		66	.360		
88	229	141	30.364	63.4	58.4		72	.422		
85	233	148	30.340	55.9	52.8		74	.416		
96	227	137	30.376	67.0	61.8		72	.477		
96	229	133	30.386	62.8	59.9		83	.474		
97	227	130	30.266	64.3	59.2		69	.425		
96	227	131	30.027	63.7	58.9		73	.432		
93	229	136	30.116	57.3	56.0		80	.403		
90	226	136	29.779	60.2	57.0		81	.420		
86	228	142	29.854	57.0	52.0		70	.327		
85	224	139	29.483	59.2	53.0		65	.328		
83	221	138	29.268	62.9	58.8		76	.438		
82	226	144	29.767	60.8	57.0		78	.413		
86	225	139	29.648	61.6	57.9		79	.429		
84	228	144	30.065	58.9	53.9		71	.354		
85	228	143	30.060	60.7	55.0		68	.361		
		182	30.003	82.0	241.3					
		136	29.968	62.64	57.78					

1887

9^PM.

Hygrom

Anemometer

Clouds
Rain

Weather

Corrected

July

Bar

Att
Ther.

Dry

Wet

Dir.

Sp.

Amount
SquareForm
RowAt time
of obs.Since
last obs.

Max.

Min.

1	30.128	64.7	63.9	60.0	NW	0.5	9	Cum	c	bc	78.3	50.0
2	30.112	67.7	64.0	61.8	ENE	0.5	4	Circ	c	cp	73.3	57.3
3	29.938	67.8	62.4	61.3	W	1	10	Circ	o	c	73.5	56.8
4	29.893	61.7	50.9	47.8	NW	1	2	Cirs	bc	bc	69.0	50.1
5	29.960	59.5	51.9	49.1	NNE	1	10	Cum	c	bc	67.5	49.0
6	29.884	63.0	59.0	59.0	S	1	8	Cirs	c	or	64.0	45.1
7	29.829	65.0	64.1	60.1	S	2	2	Cirs	bc	bc	75.7	58.2
8	29.604	65.8	60.0	59.0	SSW	1	10	Cum	o	c/po	74.5	56.1
9	29.390	64.2	60.7	60.1	S	2	10	Cum	c	cr	71.0	53.7
10	29.584	64.0	58.6	55.9	W	1	10	Cum	c	cp	67.5	53.9
11	29.670	64.2	60.9	59.7	SW	1	10	Cirs	o	op	67.8	56.2
12	29.466	65.0	61.7	61.1	SSW	3	10	Nim	r	op	69.4	59.0
13	29.478	61.0	57.9	55.0	SW	2	8	Cum	c	cq	70.8	57.2
14	29.856	62.7	58.0	54.7	SSW	0.5	10	Cum	c	bc	68.1	53.5
15	30.058	62.3	55.1	54.6	S	0.5	5	Cum	bc	cp	67.6	47.8
16	30.220	61.8	54.8	53.9	N	0.5	10	Cum	c	cp	65.5	48.0
17	30.249	60.8	52.9	50.3	NNW	1	8	Cum	bc	bc	65.0	51.4
18	30.168	63.0	60.8	59.1	WSW	1	10	Circ	o	bco	67.5	48.0
19	30.268	65.0	63.0	61.0	NNW	1	8	Cum	cb	bco	73.9	56.1
20	30.210	65.0	61.7	59.0	NW	0.5	10	Circ	o	o	70.2	59.0
21	29.988	65.0	64.0	60.6	S	1	8	Circ	c	o	68.2	58.3
22	29.985	64.2	54.1	51.5	W	2	3	Circ	bc	bc	69.3	53.9
23	29.766	62.5	57.9	56.1	SSW	3	10	Cum	o	cp	62.8	50.2
24	29.720	63.0	53.7	51.1	WSW	1	9	Cirs	c	bc	67.7	53.2
25	29.610	60.8	55.0	53.0	S	0.5	10	Circ	o	op	60.0	50.0
26	29.070	61.2	59.0	57.0	S	2	4	Cum	bc	pc	62.5	52.8
27	29.590	61.3	57.0	53.7	SW	2	8	Cirs	bc	pc	66.5	54.6
28	29.461	62.8	61.9	61.0	S	3	10	Nim	r	op	67.2	55.0
29	29.790	60.8	54.3	51.3	S	2	7	Circ	bc	cp	66.7	53.8
30	29.929	61.0	54.7	53.1	SSW	0.5	9	Circ	c	cp	65.0	49.1
31	30.025	60.0	51.7	51.2	SW	0.5	7	Cum	bc	cp	64.6	49.4

260.6
68.4196.7
53.12

18	10 P.M.			Hygrom	Anemometer		Therm.		Sunshine
	E	A	Bar	Dry } Wet }	Dir } Wet }	Sp.	Max.	Min.	in hours
97	228	131	30.259	63.8	57.9		78	.461	6.5
105	228	123	30.235	63.9	61.7		87	.517	1.0
105	227	122	30.060	62.3	61.2		93	.523	3.4
89	233	144	30.037	50.8	47.7		79	.294	4.5
84	233	149	30.109	51.8	49.0		81	.313	4.8
92	228	136	30.020	58.9	58.9		100	499	-
97	226	129	29.958	64.0	60.0		77	.461	5.6
98	226	128	29.732	59.9	58.9		74	.484	7.5
94	226	130	29.520	60.6	60.0		96	.509	8.0
94	227	133	29.717	58.5	55.8		83	.408	2.6
94	226	132	29.802	60.8	59.6		93	.493	-
96	225	129	29.595	61.6	61.0		96	.527	-
86	227	141	29.619	57.8	54.9		82	.394	6.7
91	230	139	29.395	57.9	54.6		80	.385	11.1
91	233	142	30.200	55.0	54.5		97	.418	5.6
90	233	143	30.363	54.7	53.8		95	.403	7.6
87	234	147	30.396	52.8	50.2		82	.330	13.0
93	230	137	30.305	60.7	59.0		90	.474	1.8
99	230	131	30.399	62.9	60.9		88	.505	7.1
99	230	131	30.341	61.6	58.9		84	.460	1.5
98	227	129	30.117	63.9	60.5		80	.478	-
96	232	136	30.121	54.0	51.4		82	.344	9.1
91	229	138	29.904	57.8	54.0		88	.444	-
92	230	138	29.858	53.6	51.0		82	.339	8.6
85	229	144	29.754	52.9	52.9		87	.375	1.7
85	223	138	29.208	58.9	56.9		87	.435	3.7
87	227	140	29.730	56.9	53.6		80	.368	8.3
90	225	135	29.596	61.8	60.8		94	.521	0.1
86	236	144	29.934	54.2	51.2		80	.337	5.0
87	231	144	30.073	54.6	53.0		89	.380	7.8
85	232	147	30.172	51.6	51.1		97	.368	6.1
			30.129	52.5	189.0				
			29.972	58.21	56.10				

1487

1887	9 A.M.			Hygrom	Anemometer		Rain		Clouds		Weather	
August	E	A	Dry	Wet	Dir.	Sp.	Square	Kew	Amount	Form	At time of obs.	Since last obs.
1	30.140	58.0	59.7	55.0	WNW	1	-	-	7	Cum	bc	bc
2	30.172	59.0	60.0	55.1	WNW	1	-	-	6	Cum	bc	cp
3	30.210	58.3	64.0	57.8	SE	0.5	-	-	4	Circ	bc	cb
4	30.139	61.0	64.1	56.9	S	2	-	-	6	Circ	c	bc
5	29.989	63.0	66.7	59.1	SSW	3	0.300	0.351	10	Circ	c	c
6	29.847	62.0	60.3	58.9	SSSE	1	0.342	0.308	10	Nim	r	or
7	30.016	62.2	62.0	56.2	W	1	-	-	3	Cum	bc	cb
8	30.014	63.0	67.6	63.1	WSW	2	0.028	0.026	10	Circ	o	co
9	30.034	63.0	59.7	59.1	W	2	-	-	10	Nim	d	op
10	30.128	60.0	58.0	52.1	NNW	1	-	-	9	Circ	c	bc
11	30.025	59.0	57.1	52.8	NNW	1	0.022	0.024	10	Circ	o	bc
12	29.830	58.8	54.3	52.0	WSW	1	0.200	0.205	10	Nim	r	o
13	29.790	56.7	51.9	50.4	NE	1	-	-	10	Circ	o	o
14	29.905	55.0	57.1	50.7	NW	1	-	-	4	Cum	bc	bc
15	29.834	56.7	60.7	53.7	WNW	0.5	-	-	10	Circ	o	o
16	29.608	57.2	63.0	56.0	W	0.5	-	-	9	Cums	c	o
17	29.728	57.0	55.6	53.1	N	1	0.078	0.079	10	Circ	o	co
18	29.858	57.0	57.7	54.9	NNW	1	-	-	9	Cum	c	o
19	29.850	56.0	57.6	52.5	NW	1	0.171	0.174	10	Cums	o	c
20	29.900	55.0	60.6	54.8	NE	0.5	-	-	4	Circ	bc	rcb
21	29.940	55.0	57.9	51.6	NNE	0.5	0.009	0.018	0	Clear	b	cb
22	29.770	58.0	59.1	57.4	S	3	0.255	0.262	10	Nim	r	co
23	29.823	60.0	62.3	59.1	S	2	-	-	10	Circ	o	co
24	29.748	60.0	63.7	55.3	SSSE	2	-	-	8	Circ	bc	c
25	29.632	62.0	64.1	58.1	SW	1	0.020	0.025	9	Cums	c	cp
26	29.385	62.0	61.2	60.0	SSSE	3	0.132	0.140	10	Cums	o	op
27	29.450	61.0	63.1	58.1	SSSE	3	0.193	0.190	7	Circ	bc	bc
28	29.420	61.2	61.7	59.1	SSSE	3	0.960	0.988	8	Cums	cp	op
29	29.334	60.7	59.1	57.0	SW	1	0.072	0.072	10	Cums	o	o
30	29.330	60.0	60.0	55.7	SW	2	0.450	0.477	9	Cum	c	oc
31	29.137	59.0	58.5	55.9	SW	2	0.015	0.018	9	Cums	c	pc
							3.247	3.357				

18	10 P.M.			Hygrom	Anemometer		Therm.	
	E	A	Bar	Dry } Wet	Dir. } Wet	Sp.	Max.	Min.
79	230	151	30.291	59.6	54.9		73	371
82	230	148	30.320	59.9	55.0		71	370
81	228	147	30.357	63.9	57.7		67	396
87	228	141	30.280	64.0	56.8		62	371
93	226	133	30.122	66.6	59.0		62	401
89	227	138	29.985	60.2	58.8		92	476
91	228	137	30.153	61.9	56.1		68	376
93	226	133	30.147	67.5	63.0		75	508
93	229	136	30.170	59.6	59.0		96	491
85	231	146	30.274	57.9	52.0		66	319
82	230	148	30.173	57.0	52.7		74	344
81	230	149	29.979	54.2	51.9		84	355
75	232	157	29.947	51.8	50.3		89	346
71	229	158	30.063	57.0	50.6		63	296
75	227	152	29.986	60.6	53.6		62	329
76	225	149	29.757	62.9	53.9		64	361
75	229	154	29.882	53.5	53.0		81	370
75	229	154	30.012	57.6	54.8		83	393
73	229	156	30.006	57.5	52.4		70	332
71	228	157	30.057	60.5	54.7		68	357
71	229	158	30.098	57.8	51.5		65	310
78	228	150	29.920	59.0	57.3		90	445
84	226	142	29.965	62.2	59.0		81	453
84	225	141	29.889	63.6	53.2		58	337
88	224	136	29.768	64.0	58.0		67	403
88	224	136	29.521	61.1	59.9		92	499
86	224	138	29.588	63.0	58.0		72	414
86	224	138	29.558	61.6	59.0		84	462
84	224	140	29.474	59.0	56.9		87	433
88	224	142	29.472	59.9	55.6		75	386
79	223	144	29.281	58.4	53.8		84	410
		1409	29.495	315.3	178.4			
		145	29.951	60.17	55.75			

1887	9 P.M.			Hygrom	Anemometer		Clouds Rain		Weather		Corrected	
August	Bar	Air Ther.	Dry	Wet	Dir.	Sp.	Amount Square	Form Low	At time of obs.	Since last obs.	Max.	Min.
1	30.139	60.8	56.8	54.9	WNW	1	9	Circ	c	bc	67.3	44.8
2	30.138	60.8	54.1	52.1	NE	0.5	8	Circ	c	bc	68.2	47.0
3	30.168	62.3	60.8	54.7	SE	2	6	Cirs	c	bc	71.5	42.9
4	30.064	62.5	62.9	57.3	S	1	7	Circ	c	bc	71.6	50.1
5	29.895	65.0	64.9	59.1	S	2	10	Circ	o	o	73.7	58.7
6	29.717	64.0	63.2	62.9	SW	3	10	Cums	og	r	67.1	55.1
7	30.047	63.0	58.1	54.8	SW	2	4	Cirs	bc	bc	67.7	52.0
8	30.048	64.0	58.2	54.3	WSW	2	9	Circ	c	bc	74.3	55.2
9	30.062	62.5	55.0	53.3	NW	1	8	Cums	c	pc	64.8	54.8
10	30.121	59.4	48.8	47.0	NNW	1	4	Cirs	bc	bc	61.9	47.6
11	29.978	58.8	52.5	50.1	NW	1	10	Circ	o	co	62.0	43.2
12	29.748	57.5	51.0	50.9	NE	1	10	Nim	r	r	54.7	48.3
13	29.884	54.7	43.5	42.6	N	0.5	0	Clear	b	cb	57.3	42.7
14	29.923	56.5	49.1	48.0	WNW	0.5	9	Cums	c	bco	62.5	39.2
15	29.714	57.3	49.5	48.2	W	0.5	4	Cums	bc	bc	64.5	46.1
16	29.620	59.0	54.7	51.8	SE	0.5	10	Circ	c	oc	65.5	47.0
17	29.814	57.0	50.9	49.8	NW	1	10	Cums	cp	cp	62.6	44.9
18	29.878	58.0	51.1	50.1	NW	1	9	Cums	c	co	60.7	48.0
19	29.834	57.0	49.8	49.1	NE	1	10	Nim	r	op	59.5	44.8
20	29.952	57.0	48.1	47.1	NNE	0.5	9	Cums	c	bc	65.8	41.8
21	29.858	58.2	57.1	53.0	S	2	3	Cirs	bc	bc	68.4	40.0
22	29.788	59.8	61.7	59.8	SSW	2	10	Cums	og	ro	64.5	53.0
23	29.812	60.2	59.5	55.3	S	2	10	Circ	o	bc	68.9	54.7
24	29.658	62.0	60.1	56.0	SE	1	9	Circ	c	bc	69.3	53.8
25	29.591	62.4	61.3	57.8	S	1	9	Circ	c	bc	68.7	57.9
26	29.386	61.0	57.0	55.0	S	1	4	Cum	bc	pc	62.6	56.4
27	29.450	62.0	59.6	58.0	SE	2	9	Cirs	c	bcp	68.5	55.8
28	29.368	61.0	58.8	57.0	SE	1	9	Circ	c	cp	66.6	57.0
29	29.340	61.0	57.1	55.9	SSW	1	10	Cums	o	cp	66.3	55.8
30	29.106	60.0	55.6	54.8	S	1	10	Nim	p	op	63.4	52.1
31	29.343	58.8	54.7	52.8	SW	1	7	Circ	bc	pc	63.1	50.8
											173.5 65.60	501.5 49.73

Thunder heard bet. Noon & 2 p.m.
do do do

18	10 P.M.			Hygrom	Anemometer		Therm.		Sunshine
	E	A	Bar	Dry } Wet }	Dir. w-s	Sp.	Max.	Min.	in hours
86	231	145	30.284	56.7	54.8		88	.403	10.4
87	234	147	30.385	54.0	52.0		86	.360	7.4
91	236	139	30.307	60.7	52.6		66	.352	11.0
92	228	136	30.200	62.8	57.2		69	.397	8.8
98	226	128	30.023	64.8	59.0		69	.421	3.4
94	226	132	29.849	63.1	62.8		98	.567	-
93	236	137	30.184	58.0	54.7		80	.385	11.0
95	230	135	30.183	58.1	54.2		76	.371	8.2
92	233	141	30.203	54.9	53.2		89	.382	0.9
83	236	153	30.274	48.7	46.8		87	.298	6.0
81	233	152	30.130	52.4	50.0		84	.330	1.8
77	231	154	29.902	50.9	50.8		100	.370	-
70	236	166	30.050	43.3	42.4		93	.261	5.4
75	233	158	30.081	49.0	47.9		92	.320	7.7
76	232	156	29.870	49.4	48.1		91	.320	5.5
80	229	149	29.769	54.6	51.7		81	.347	2.8
75	232	157	29.971	50.8	49.7		92	.344	2.3
78	232	154	30.032	51.0	50.0		93	.348	2.9
75	232	157	29.991	49.7	49.0		95	.338	-
76	234	158	30.110	48.0	47.0		93	.309	8.0
78	229	151	30.009	57.0	52.9		75	.349	9.8
84	227	143	29.931	61.6	59.7		88	.485	-
84	227	143	29.955	59.4	55.2		75	.381	4.1
88	227	139	29.797	60.0	55.9		76	.392	7.4
89	226	137	29.728	61.2	57.7		80	.428	4.3
86	225	139	29.525	56.9	52.9		87	.403	1.2
88	225	137	29.587	57.5	57.9		90	.457	7.9
85	225	140	29.508	58.7	56.9		88	.438	1.6
85	225	140	29.480	57.0	55.8		92	.428	2.9
82	225	143	29.249	55.5	52.7		95	.418	-
79	226	147	29.490	54.6	52.7		88	.373	4.0
			29.057	172.3	100.2				
			29.937	55.56	53.23				146.7

1887	9 A.M.			Hygrom	Anemometer		Rain		Clouds		Weather	
September	Bar.	Att. Ther.	Day	Wet	Dir.	Sp.	Square	Kew	Amount of obs.	Since last obs.	At time of obs.	Since last obs.
1	29.306	58.0	57.9	54.3	SSW	1	1.122	1.152	7	Cum	bc	c
2	29.032	57.5	55.0	53.7	NW	1	-	-	10	Nim	r	op
3	29.418	57.0	55.1	53.3	SSW	2	-	-	10	Cum	og	bc
4	29.387	57.8	55.8	53.8	SW	1	0.254	0.244	10	Circ	o	co
5	29.060	56.0	52.0	51.7	SE	1	0.270	0.218	10	Nim	r	or
6	29.218	56.0	54.1	52.0	SW	1	0.315	0.340	10	Circ	o	o
7	29.759	55.2	53.5	50.0	N	1	-	-	10	Circ	o	o
8	30.088	54.0	54.9	50.1	SSW	2	0.060	0.061	4	Circ	bc	bc
9	29.747	57.0	60.1	58.9	SW	1	0.050	0.049	10	Cum	og	op
10	29.808	54.0	54.2	49.5	WNW	1	0.115	0.120	10	Cum	o	co
11	29.555	55.0	55.3	54.0	WSW	1	-	-	10	Circ	o	o
12	29.631	53.5	53.3	48.9	W	1	-	-	4	Circ	bc	cb
13	29.808	52.8	56.6	50.8	N	1	-	-	9	Cum	c	cb
14	29.794	53.0	51.9	48.9	NW	1	-	-	10	Cum	o	co
15	29.692	53.0	51.5	49.9	SW	1	-	-	10	Cum	o	a
16	29.796	54.0	55.5	53.1	SW	0.5	-	-	10	Cum	c	c
17	30.044	52.8	53.1	52.0	SW	0.5	0.013	0.015	9	Circ	c	bc
18	30.370	52.5	55.0	52.9	NE	0.5	-	-	0	Clear	b	bc
19	30.422	52.0	54.2	51.2	NE	0.5	-	-	10	Cum	o	bc
20	30.271	52.5	57.1	53.1	N	1	-	-	7	Cum	bc	bc
21	30.222	52.0	48.9	48.3	Cal	0	-	-	10	Circ	o	co
22	30.196	53.7	53.5	51.9	Cal	0	-	-	10	Circ	of	of
23	30.308	52.0	49.0	49.0	NE	1	-	-	10	Fog	f	of
24	30.376	50.3	48.8	48.8	Cal	0	-	-	10	Circ	of	cof
25	30.120	53.5	52.8	51.9	SW	1	0.100	0.103	10	Cum	o	op
26	29.543	54.0	54.8	52.1	NW	1	0.191	0.210	9	Cum	c	op
27	29.181	51.0	45.0	42.5	WST	1	0.140	0.142	7	Cum	cb	cb
28	29.133	49.0	49.0	45.7	SW	0.5	0.107	0.110	9	Cum	c	oc
29	29.282	48.0	48.5	48.0	NE	1	0.105	0.102	10	Nim	or	op
30	29.842	50.2	55.0	51.2	NE	2	-	-	6	Cum	bc	bc
31							2.842	2.966				

Fog early morn. to 8.30 a.m.

Fog up to 10 a.m.
do do do

18	10 P.M.			Hygrom	Anemometer		Therm.			
	E	A	Bar	Dry } Wet }	Dir. Wet	Sp.	Max.	Min.		
77	225	148	29.454	57.8	54.2		78	.375		
76	224	148	29.180	54.9	53.6		92	.394		
75	227	152	29.570	55.0	53.2		88	.381		
79	227	148	29.535	55.7	53.7		87	.388		
71	226	155	29.215	51.9	51.6		98	.378		
72	226	154	29.372	54.0	51.9		85	.357		
71	231	160	29.519	53.4	49.9		77	.316		
68	233	165	30.253	52.8	50.0		71	.304		
75	226	151	29.898	60.0	58.8		93	.419		
67	231	164	29.972	54.1	49.4		71	.296		
70	229	159	29.714	55.2	53.9		91	.398		
66	230	164	29.795	53.2	48.8		72	.293		
64	230	166	29.974	56.5	50.7		67	.304		
65	231	166	29.960	51.8	48.8		80	.309		
65	231	166	29.858	51.4	48.8		90	.338		
67	230	163	29.959	55.4	53.0		85	.371		
65	233	168	30.212	53.0	51.9		92	.371		
66	235	169	30.539	54.9	52.8		87	.372		
64	235	171	30.593	54.1	51.1		80	.336		
65	232	167	30.438	57.0	53.0		75	.351		
63	235	172	30.394	48.8	48.2		95	.331		
68	234	166	30.362	53.4	51.8		90	.364		
63	236	173	30.481	48.9	48.9		100	.317		
59	237	178	30.554	48.7	48.7		100	.344		
67	233	166	30.286	52.7	51.8		94	.373		
67	228	161	29.704	54.7	52.0		82	.352		
58	230	172	29.353	44.8	42.3		84	.241		
53	227	174	29.307	48.9	45.5		78	.267		
51	229	178	29.460	48.4	47.9		96	.328		
58	230	172	30.014	54.9	51.1		75	.326		
		116 14	27.325	98.3	28.3					
		164	29.911	53.28	50.94					

165
64
213

1887	9 P.M.			Hygrom	Anemometer		Clouds Rain		Weather		Corrected	
September	E	A	Dry	Dry Wet	Dir.	Sp.	Amount Square	Form Now	At time of obs.	Since last obs.	Max.	Min.
1	29.001	58.6	54.7	54.3	NE	2	10	Nim	r	o r	63.1	49.2
2	29.308	57.5	51.8	50.1	WSW	1	2	Circ	bc	bc	64.0	51.3
3	29.392	58.3	53.7	52.7	SW	1	8	Circ	bc	bc	66.0	48.7
4	29.348	58.0	50.0	49.7	SW	1	4	Circ	bc	bcp	62.7	48.8
5	29.015	57.0	56.9	53.9	SW	3	10	Cums	og	op	58.5	42.1
6	29.300	55.0	48.7	48.3	NNW	0.5	6	Circ	bc	cp	59.5	48.0
7	30-060	55.3	45.7	44.3	NNE	0.5	6	Circ	bc	bc	58.6	45.0
8	29.844	55.5	54.0	52.2	SSW	1	10	Cums	og	cop	60.5	43.1
9	29.802	55.3	50.1	46.9	W	1	7	Cums	bc	opc	62.7	49.1
10	29.792	54.2	50.1	47.9	WSW	1	9	Cums	c	c	57.5	44.0
11	29.685	54.7	48.3	46.3	N	0.5	10	Cums	c	c	59.4	47.0
12	29.682	53.0	45.7	45.0	W	0.5	5	Cums	bc	bc	55.7	42.8
13	29.864	54.0	48.7	46.1	NW	1	8	Cum	cb	cb	59.5	43.9
14	29.714	53.0	48.9	46.3	W	1	10	Cums	og	o	54.5	46.7
15	29.749	54.5	49.1	47.6	SW	1	9	Cum	c	obc	60.2	46.5
16	29.905	54.7	47.8	45.8	Calm	0	2	Circ	bc	cb	60.7	47.0
17	30-238	54.0	47.3	46.1	NE	0.5	0	Clear	b	bc	60.8	42.0
18	30.435	54.0	45.4	45.0	NE	0.5	2	Cums	bc	bc	61.5	40.6
19	30.348	53.2	45.9	45.0	N	0.5	0	Clear	b	bc	60.3	39.5
20	30.248	53.7	45.9	44.8	Calm	0	2	Cums	bc	bc	60.8	44.0
21	30.191	52.0	52.2	51.7	Calm	0	10	Circ	og	o	55.8	40.9
22	30.234	54.0	46.7	46.0	Calm	0	9	Circ	c	o	57.7	46.1
23	30.364	53.7	46.8	46.2	Calm	0	4	Circ	cf	oc	61.2	38.5
24	30.281	54.0	52.3	51.8	SW	1	10	Circ	o	fc	63.8	37.2
25	29.824	54.0	53.7	51.1	SW	2	10	Circ	o	o	57.3	49.3
26	29.392	53.2	46.7	45.5	SW	1	8	Cum	bc	cp	57.5	46.1
27	29.130	50.0	41.9	40.7	SW	1	9	Circ	c	cp	52.5	41.0
28	29.215	48.3	38.3	37.9	NE	0.5	7	Circ	bc	#op	54.2	37.1
29	29.602	49.0	49.6	48.2	NNE	1	7	Cum	bc	cp	53.5	34.8
30	30.006	51.0	46.3	45.5	NE	0.5	0	Clear	b	bc	58.7	45.2
31											278.7 ✓ 59.29	125.5 ✓ 44.18 ✓

18	10 P.M.			Hygrom	Anemometer		Therm.		Sunshine	
	E	A	Bar	Dry } Wet }	Dir. Wet	Sp.	Max.	Min.	in	hours
78	224	146	29.147	52.6	52.2		97	.415	-	
76	227	151	29.457	51.7	50.0		88	.339	7.2	
78	228	150	29.542	53.6	52.6		93	.383	5.3	
77	228	151	29.499	49.9	49.6		98	.351	5.5	
74	223	149	29.164	56.8	53.8		81	.375	-	
69	229	160	29.460	48.6	48.2		97	.333	1.9	
72	237	165	30.225	45.5	44.1		90	.272	6.3	
72	230	158	30.002	53.9	52.1		88	.364	5.2	
71	232	161	29.963	50.0	46.7		78	.280	0.7	
70	232	162	29.954	50.0	47.8		85	.304	0.7	
69	232	163	29.848	48.2	46.1		86	.285	1.9	
65	233	168	29.850	45.5	44.8		95	.289	2.4	
67	233	166	30.030	48.6	45.9		81	.278	8.0	
65	232	167	29.881	48.8	46.1		81	.280	0.1	
69	232	163	29.912	49.0	47.5		90	.310	4.5	
70	234	164	30.069	47.7	45.6		85	.281	2.7	
69	237	168	30.406	47.2	45.9		91	.294	8.2	
70	237	169	30.604	45.2	44.8		97	.292	7.7	
67	238	171	30.519	45.7	44.8		94	.287	1.7	
68	237	169	30.417	45.7	44.6		93	.282	8.3	20
63	234	171	30.362	52.1	51.6		96	.376	11	
69	237	168	30.402	46.5	45.8		95	.300	-	
69	238	169	30.533	46.6	46.0		96	.303	-	
69	235	166	30.447	52.2	51.7		97	.377	4.3	
67	231	164	29.988	53.6	51.0		82	.339	-	
65	230	165	29.557	46.5	45.3		91	.288	3.4	
56	230	174	29.304	41.7	40.5		91	.289	-	
52	233	181	29.396	38.1	37.7		96	.221	1.6	
54	231	177	29.779	49.5	48.1		90	.318	1.8	
60	236	176	30.182	46.1	45.3		94	.293	5.3	
			27.901	259.1	218.2					
			30.930	48.63	47.27					94.7

1887	9 A.M.			Hygrom	Anemometer		Rain		Clouds		Weather	
October	Bar	Alt	Bar Dry	Wet	Dir.	Sp.	Square	How	Amount	Form	At time of obs.	Since last obs.
1	30.113	49.5	50.1	49.2	NE	0.5	-	-	10	cac	o	co
2	30.259	51.5	53.8	50.0	NNW	1	-	-	10	circ	o	o
3	30.322	51.8	54.7	50.3	NNW	1	-	-	10	Circ	o	o
4	30.278	52.0	53.6	49.9	Calm	0	-	-	10	Circ	o	o
5	30.232	52.0	49.0	47.3	Calm	0	-	-	10	Circ	o	o
6	30.056	51.0	48.3	45.7	SW	1	0.002	0.003	10	Circ	o	o
7	29.898	51.8	51.8	49.4	SW	1	0.115	0.115	10	Circ	o	o
8	29.788	50.0	42.8	42.0	NE	1	-	-	10	Circ	od	od
9	29.680	45.0	46.1	43.1	NE	0.5	0.240	0.248	2	Circ	bc	bc
10	29.592	45.0	47.5	44.2	NNE	1	0.100	0.105	6	Cum	bc	roc
11	29.647	43.0	41.2	39.2	NW	1	0.222	0.230	7	Cum	bc	bc
12	29.535	41.3	41.2	38.2	NNW	1	0.018	0.020	4	Cum	bc	bc
13	29.882	42.0	48.3	43.2	N	1	-	-	4	Circ	bc	bc
14	29.795	44.0	48.1	45.8	NW	2	-	-	10	Circ	d	o
15	30.110	43.0	42.2	40.8	N	0.5	-	-	10	Circ	o	co
16	30.305	44.8	47.4	45.0	W	0.5	-	-	10	Circ	o	o
17	30.445	46.0	50.1	45.8	W	0.5	0.004	0.005	10	Circ	o	co
18	30.385	46.0	45.7	43.0	SW	2	-	-	10	Cum	o	o
19	30.167	47.0	49.8	46.2	SW	2	-	-	10	Circ	o	o
20	30.236	47.8	49.1	44.7	WSW	0.5	-	-	10	Cum	o	o
21	30.368	47.5	48.7	43.9	Calm	0	-	-	10	Cum	o	o
22	30.288	46.5	46.7	43.2	SSW	1	-	-	10	Cum	o	o
23	29.948	47.8	49.9	48.0	SW	1	0.098	0.098	10	Cum	o	o
24	30.180	44.0	38.2	34.7	NW	1	0.018	0.017	10	Nim	p	cp
25	30.463	43.3	39.1	36.5	N	1	-	-	10	Circ	o	o
26	29.976	43.0	45.7	42.2	S	4	0.205	0.215	10	Cum	o	o
27	29.502	47.0	54.8	53.7	S	2	0.027	0.027	10	Cum	o	o
28	29.397	47.0	48.0	45.5	SW	2	0.060	0.057	2	Cum	bc	oc
29	29.257	47.0	44.8	41.8	SW	3	-	-	2	Circ	bc	oc
30	29.023	43.8	43.8	40.8	SSW	2	0.075	0.079	0	Clear	b	cb
31	29.288	44.5	47.0	42.9	W	2	0.410	0.425	0	Clear	b	ocb
							1.594	1.654				

Hoar Frost a.m.

Hoar Frost & sleet on ground a.m.

10 P.M.

Hygrom

Anemometer

Therm.

E

A

Bar

Dry }
Wet }Dir. ~~Wind~~

Sp.

Max.

Min.

57	231	177	30.290	50.0	49.1		74	337
62	232	172	30.431	53.7	49.9		75	312
63	234	171	30.493	54.6	50.2		73	310
63	234	171	30.449	53.5	49.8		76	311
63	235	172	30.404	48.9	47.2		88	304
60	235	175	30.231	48.2	45.5		82	272
62	233	171	30.069	51.7	49.3		81	322
57	235	178	29.966	42.6	41.8		93	256
44	233	189	29.869	45.9	42.9		79	244
44	232	188	29.780	47.4	44.0		77	249
38	235	197	29.844	41.0	39.0		84	215
34	234	200	29.735	41.0	38.0		77	197
36	234	198	30.080	48.2	43.0		66	223
41	234	193	29.988	48.0	45.6		83	276
39	238	197	30.309	42.0	40.6		89	237
44	237	193	30.498	47.3	44.8		83	268
48	236	188	30.633	51.0	45.6		72	257
49	239	192	30.577	45.5	42.8		81	245
50	235	185	30.352	49.7	46.0		75	268
52	236	184	30.420	49.0	44.5		70	245
51	237	186	30.554	48.6	43.7		68	233
49	238	189	30.477	46.5	43.0		76	238
51	233	182	30.130	49.8	47.9		87	310
42	241	199	30.379	38.0	34.6		72	167
40	242	202	30.665	38.9	36.4		81	189
39	236	197	30.173	45.5	42.0		75	229
49	228	179	29.681	51.7	53.6		93	397
49	230	181	29.578	47.9	45.3		82	271
48	230	182	29.439	44.6	41.6		78	230
39	229	190	29.213	43.6	40.6		78	220
42	229	187	29.475	46.8	42.7		72	229
		187	35.183	223.1	181.0			
		186	30.135	47.20	44.23			

1887	9 P.M.			Hygrom	Anemometer		Clouds Rain		Weather		Corrected	
October	Bar.	Att. Ther.	Dry	Wet	Dir.	Sp.	Amount Square	Form How	At time of obs.	Since last obs.	Max.	Min.
1	30.178	52.0	50.6	49.2	N	0.5	10	Cum	c	bc	57.3	41.3
2	30.294	54.0	50.7	48.1	NNW	0.5	10	Circ	o	o	54.5	48.5
3	30.310	52.0	50.6	48.9	NNW	0.5	10	Circ	og	o	56.8	48.5
4	30.257	53.0	50.0	47.7	NNW	0.5	10	Circ	og	o	55.0	48.2
5	30.147	52.0	48.1	45.7	W	1	10	Circ	og	o	53.3	47.6
6	29.974	52.0	50.0	48.9	SW	1	10	Circ	o	o	53.5	46.0
7	29.770	52.2	50.0	49.3	WSW	1	10	Circ	o	od	55.5	48.1
8	29.760	48.0	40.3	38.8	NE	1	2	Circ	bc	cp	50.5	38.2
9	29.613	46.0	39.7	38.5	NE	1	10	Nim	r	bco	49.2	37.5
10	29.669	43.7	34.9	34.6	NNW	0.5	4	Cum	bc	bcp	48.5	30.0
11	29.647	42.0	34.0	33.7	NW	1	3	Cums	bcp	bcp	44.5	32.1
12	29.680	42.9	38.0	37.0	NNW	1	3	Cums	bc	bcp	46.5	30.9
13	29.966	44.0	41.7	40.0	NW	1	10	Cums	o	bco	49.6	32.1
14	29.981	44.0	38.7	38.2	N	1	8	Cums	bc	op	49.5	38.2
15	30.198	44.0	41.5	40.9	Calm	0	10	Cums	og	o	45.5	35.3
16	30.388	45.3	42.0	41.8	WNW	0.5	2	Cum	bc	o	51.5	41.0
17	30.444	46.5	44.7	41.2	WSW	1	10	Cums	og	o	54.2	41.2
18	30.290	46.5	47.0	43.7	SW	1	10	Cums	og	o	52.0	42.1
19	30.109	48.8	46.2	43.2	SW	2	10	Cums	og	o	54.5	42.7
20	30.304	48.0	45.3	43.0	NW	0.5	10	Cums	o	o	53.7	43.8
21	30.344	47.0	42.0	39.7	E	1	9	Circ	c	o	49.5	41.2
22	30.125	46.5	45.2	44.2	SSW	1	10	Cums	o	o	50.7	39.1
23	29.915	47.0	41.7	40.0	NW	1	9	Cums	c	op	53.8	41.0
24	30.410	42.2	34.9	33.7	N	0.5	10	Cums	o	op	44.0	32.0
25	30.276	41.0	35.1	33.1	SSW	1	10	Cum	c	oc	43.7	32.9
26	29.690	45.2	49.3	47.9	SSW	4	10	Cums	og	op	49.5	34.0
27	29.417	48.0	50.7	49.1	SSW	2	10	Cums	o	op	57.0	48.2
28	29.270	46.0	44.5	42.2	SSW	4	10	Cum	c	bcp	51.7	43.0
29	29.127	45.8	41.3	39.9	SSW	1	10	Cum	c	bc	49.8	38.9
30	29.069	44.0	40.4	39.2	SW	2	10	Cum	c	bcp	47.2	35.1
31	29.018	45.6	46.8	44.1	SSW	5	10	Cums	og	c op	50.2	36.7
											344.7 57.12	305.4 39.85

sleet showers during the day

39.9

sleet showers during the day

39.9

18	10 P.M.			Hygrom	Anemometer		Therm.		Sunshine
	E	A	Bar	Dry } Wet }	Dir. Wind	Sp.	Max.	Min.	in hours
63	235	172	30.370	50.5	49.1		90	33.1	2.8
69	236	167	30.461	50.6	48.0		82	30.3	-
63	236	173	30.483	50.5	48.3		89	32.1	-
66	236	170	30.427	49.9	47.6		85	30.1	-
63	235	172	30.319	48.0	45.5		83	27.4	-
63	234	171	30.145	46.9	48.8		93	33.1	-
63	232	169	29.939	49.9	49.2		75	34.1	0.3
52	237	185	29.945	40.1	38.6		88	21.7	2.2
46	235	189	29.802	39.5	38.3		90	21.8	9.0
40	238	198	29.867	34.8	34.5		97	19.6	5.3
36	238	202	29.849	33.9	33.6		97	18.9	2.8
38	237	199	29.879	37.8	36.9		93	21.0	6.1
42	238	196	30.162	41.5	39.8		87	22.7	5.5
42	240	198	30.179	38.5	38.0		96	22.3	0.3
42	240	198	30.396	41.3	40.7		96	24.7	-
45	240	195	30.583	41.8	41.6		99	26.0	0.6
50	239	189	30.633	44.5	41.0		74	21.9	2.0
49	237	188	30.478	46.8	43.5		78	24.6	-
54	236	182	30.291	46.0	43.0		79	24.4	-
52	238	186	30.490	45.1	42.8		83	24.8	1.9
50	240	190	30.534	41.8	39.5		83	21.9	-
49	237	188	30.313	45.0	44.0		92	27.5	-
50	237	187	30.102	41.5	39.8		87	22.7	-
38	244	206	30.616	34.8	33.6		89	17.8	-
34	243	207	30.485	35.0	33.0		80	16.4	0.3
45	232	187	29.877	49.2	47.8		91	31.5	-
52	229	177	29.594	50.6	49.0		89	32.7	-
45	231	186	29.456	44.3	42.0		82	24.1	4.2
44	231	187	29.314	41.1	39.7		89	22.8	6.3
40	231	191	29.260	40.2	39.0		90	22.4	6.0
44	228	184	29.202	46.6	43.9		81	25.6	3.6
			34.451	111.0	50.6				5.7
			30.111	42.58	44.63				

1887

9 A.M.

Hygrom

Anemometer

Rain

Clouds

Weather

November

Bar

Alt
Therm.

Dry

Wet

Dir.

Sp.

Square

Kew

Amount

Form

At time
of obs.Since
last obs.

1	28.468	46.0	47.0	43.9	SE	5	0.200	0.200	10	Nim	op	op	
2	28.786	44.0	45.9	43.9	SSW	3	0.305	0.325	2	Cum	bc	pc	
3	28.328	43.5	41.3	39.3	SSW	2	0.100	0.100	10	Circ	c	ro	
4	28.760	44.2	46.8	44.1	NW	1	-	-	9	Circ	c	po	
5	29.185	44.0	45.7	43.2	SW	1	0.600	0.602	0	Clear	b	bc	
6	29.120	45.5	46.9	46.0	NE	1	0.403	0.420	9	Cum	c	rc	
7	29.604	45.0	45.3	44.3	NNW	3	0.102	0.102	10	Nim	r	p	
8	29.822	45.6	48.2	45.2	NE	3	-	-	10	Cum	c	c	
9	29.964	46.2	47.0	45.3	NE	2	-	-	10	Cum	o	o	
10	29.856	44.3	42.1	40.2	ENE	0.5	-	-	10	Cum	o	o	
11	29.934	44.0	43.0	41.7	ENE	2	-	-	10	Circ	o	o	
12	30.052	42.5	40.5	39.0	ENE	0.5	-	-	10	Circ	o	o	
13	29.888	42.0	39.2	37.8	SE	1	-	-	10	Circ	o	o	Fog early morn.
14	29.659	40.2	37.7	37.0	SE	1	-	-	7	Circ	cb	o	
15	30.122	37.0	35.0	32.1	NE	0.5	-	-	8	Cir	bc	ocb	Hoar Frost a.m.
16	30.067	37.0	35.1	33.7	SSW	2	-	-	8	Circ	bc	bc	
17	29.732	38.0	37.8	36.7	SSW	2	-	-	10	Circ	o	co	
18	29.098	39.0	39.2	37.8	S	2	0.035	0.035	9	Cum	c	o	
19	29.038	38.0	36.8	36.5	NNW	1	0.100	0.100	10	Circ	o	co	
20	29.417	36.0	36.8	36.3	N	1	0.171	0.172	8	Circ	bc	bc	Hoar Frost a.m.
21	29.258	38.5	42.7	40.5	E	2	0.019	0.020	10	Circ	o	op	
22	29.707	39.0	42.7	41.7	NE	1	0.095	0.094	10	Circ	o	o	
23	30.000	37.0	34.6	32.1	NE	0.5	-	-	0	Clear	b	cb	Hoar Frost a.m.
24	29.625	36.0	34.7	33.7	SSW	3	0.050	0.055	10	Circ	o	co	
25	29.449	38.4	41.2	40.0	SW	2	0.015	0.020	10	Circ	c	c	
26	29.160	44.8	50.1	49.1	SW	6	0.257	0.275	10	Cum	o	o	
27	29.206	42.7	42.2	39.8	SW	5	-	-	10	Circ	o	op	
28	29.566	39.5	38.2	36.4	SSW	2	-	-	0	Clear	b	bc	Hoar Frost a.m.
29	29.418	37.8	32.1	31.7	SSW	0.5	0.010	0.010	8	Circ	c	bc	Hoar Frost & Fog a.m.
30	29.620	37.5	38.5	37.1	SSW	2	-	-	10	Circ	o	o	

2.462

2.520

E

A

Bar

Dry }
~~Wet~~Dir.
~~Wet~~

Sp.

Max.

Min.

45	224	179	28.647	46.8	43.7	79	.250
40	227	187	28.773	45.7	43.7	86	.262
38	225	187	28.515	46.1	39.1	84	.216
41	227	186	28.746	46.6	43.9	81	.256
40	230	190	29.375	45.5	43.0	82	.248
45	228	183	29.303	46.7	45.8	91	.298
44	233	189	29.793	45.1	44.1	92	.276
45	233	188	30.010	48.1	45.0	78	.262
48	235	187	30.151	46.8	45.1	88	.279
42	237	195	30.051	41.9	40.0	86	.226
42	236	194	30.128	42.8	41.5	90	.267
38	239	201	30.253	40.3	38.8	88	.219
36	238	202	30.090	39.0	37.6	89	.210
30	237	207	29.866	37.5	36.9	95	.213
23	242	219	30.341	34.9	32.0	73	.149
23	242	219	30.286	35.0	33.6	86	.176
25	237	212	29.744	37.6	36.6	91	.206
27	231	204	29.302	39.0	37.6	89	.210
25	232	207	29.245	36.7	36.4	99	.212
20	235	215	29.632	36.7	36.2	96	.208
26	232	206	29.464	42.5	40.3	83	.226
28	235	207	29.314	42.5	41.5	92	.250
23	241	218	30.218	34.5	32.0	76	.152
20	238	218	29.843	34.6	33.6	91	.181
26	233	207	29.656	41.0	39.8	90	.231
42	227	185	29.345	50.0	49.0	93	.334
37	231	194	29.400	42.0	39.6	82	.218
29	237	208	29.774	38.11	36.3	85	.195
24	237	213	29.631	32.9	31.6	94	.172
23	239	213	29.833	38.3	36.9	88	.203

20

1317

201

19.929 29.2

29.664 40.97

281.2

39.37

1887

9 P.M.

Hygrom

Anemometer

Clouds
Rain

Weather

Corrected

November	Bar	Att Ther	Dry	Wet	Dir.	Sp.	Amount Squaro	Form Flow	At time of obs.	Since last obs.	Max	Min.
1	28.600	46.0	41.8	40.8	S	2	8	Circ	bc	opc	49.5	41.0
2	28.427	45.0	45.0	43.2	S	4	10	Nim	r	cor	50.3	36.7
3	28.318	44.8	40.5	38.4	S	2	10	Nim	r	bco	46.7	37.2
4	29.150	45.0	41.2	40.0	W	1	0	Clear	b	bc	53.8	37.7
5	28.847	45.3	42.7	42.2	ENE	2	10	Nim	r	bcor	50.5	38.2
6	29.412	44.8	44.5	44.2	NE	1	9	Cum	c	orc	47.1	39.2
7	29.654	45.4	43.3	42.2	NNE	3	10	Cums	og	po	48.2	38.5
8	29.938	46.3	46.0	43.3	NE	2	10	Cums	o	bco	51.6	38.0
9	29.931	45.8	43.5	41.2	ENE	1	10	Cums	og	odo	48.0	38.8
10	29.826	44.0	41.9	40.3	ENE	1	10	Cums	og	o	47.3	38.1
11	30.026	42.0	41.7	41.2	ENE	0.5	10	Circ	o	oc	46.9	37.5
12	29.995	42.3	39.7	38.3	ENE	0.5	10	Circ	o	of	43.1	32.9
13	29.776	41.8	37.2	36.0	SE	0.5	10	Circ	o	o	42.0	33.2
14	29.890	40.8	38.0	36.4	NE	2	10	Circ	o	o	41.1	32.9
15	30.136	37.0	29.2	28.5	NE	1	4	Circ	bc	bc	39.5	25.8
16	29.942	37.1	35.7	34.8	SSW	2	7	Cums	cb	c	38.5	27.7
17	29.500	39.0	39.1	37.1	SSW	2	10	Cums	og	do	40.4	34.9
18	28.958	38.0	35.1	34.1	SSW	2	6	Circ	bc	pc	42.0	33.9
19	29.326	37.0	30.3	30.0	N	1	5	Circ	bef	poc	39.0	29.8
20	29.286	37.7	35.9	35.1	SSZ	1	10	Circ	o	co	42.5	27.9
21	29.467	39.0	41.5	41.2	ENE	2	10	Circ	o	o	44.3	34.5
22	29.950	39.0	39.4	38.9	NE	2	10	Cums	c	op	44.6	37.7
23	29.863	37.0	33.9	32.1	SE	1	8	Circ	bc	bc	41.4	32.9
24	29.448	38.2	41.0	40.2	SW	2	10	Cums	o	op	41.7	27.2
25	29.306	42.0	45.2	44.2	SW	5	10	Cums	o	c	50.5	34.5
26	29.138	43.8	45.1	44.1	SSW	2	10	Cums	o	op	51.4	42.7
27	29.484	41.0	35.9	34.9	SW	3	3	Cir	bc	bc	49.4	35.7
28	29.536	40.3	35.7	35.0	SSW	1	7	Cir	bc	bc	43.4	33.9
29	29.526	38.0	33.9	33.8	SW	1	8	Circ	bc	fo	36.7	29.0
30	29.762	40.3	46.9	46.7	SW	2	10	Circ	o	o	47.0	31.1

31

158.44 139.1

45.3 45.28 34.6

10 P.M.

Hygrom

Anemometer

Therm.

E

A

Bar

Dry }
Wet }Dir }
Wet }

Sp.

Max.

Min.

Sunshine

45	227	182	28.782	41.6	40.6		93	-242		0.9
42	224	182	28.609	44.8	43.0		86	-255		3.8
41	245	184	28.502	40.3	38.2		81	-208		4.4
43	231	188	29.338	41.0	39.8		90	-231		5.2
43	228	185	29.032	42.5	42.0		96	-261		5.0
43	232	189	29.601	44.3	44.0		98	-281		-
44	236	190	29.844	43.1	42.0		91	-254		-
48	235	187	30.125	45.8	43.1		81	-248		4.6
46	236	190	30.121	43.3	41.0		82	-231		-
46	236	195	30.021	41.7	40.1		95 88	-247	230	-
46	238	202	30.228	44.5	41.0		96	-251		1.7
37	237	202	30.197	39.5	38.1		89	-214		-
35	238	203	29.979	37.0	35.9		90	-198		-
33	239	206	30.096	37.8	36.3		88	-198		0.5
23	244	221	30.357	29.1	28.4		86	-140		4.3
23	240	247	30.159	35.6	34.7		92	-193		0.6
28	235	207	29.707	38.9	36.9		85	-198		-
25	233	208	29.166	35.0	34.0		90	-184		1.4
22	237	215	29.541	30.2	29.9		95	-160		-
24	235	211	29.497	35.8	35.0		93	-195		1.9
28	234	206	29.673	41.3	41.0		98	-253		-
28	239	211	30.161	39.2	38.7		96	-230		-
22	241	219	30.082	33.8	32.0		81	-159		5.9
26	233	207	29.655	40.8	40.0		94	-237		0.2
35	230	195	29.501	45.0	44.0		92	-275		0.9
39	229	190	29.328	44.9	43.9		93	-275		-
33	237	204	29.688	35.8	34.8		92	-193		3.7
31	237	206	29.742	35.6	34.7		94	-197		5.3
25	237	212	29.738	33.8	33.7		99	-192		0.3
31	234	203	29.965	46.7	46.5		99	-315		-

20.435 28.57 253.5
29.681 39.32 38.45

50.4

1887

9 A.M.

Hygrom

Anemometer

Rain

Clouds

Weather

December

Bar

Att
Ther.

Dry

Dry
Wet

Dir.

Sp.

Square

Kew

Amount

Form

At
timeSince
last obs

1	29.979	41.2	47.7	46.2	SW	2	-	-	10	Circ	o	o
2	30.128	43.3	46.9	45.9	SW	2	-	-	10	Cums	o	co
3	29.732	46.0	48.3	46.7	SW	5	0.312	0.327	10	Cums	o	o
4	29.670	43.0	36.7	36.1	N	1	-	-	10	Circ	o	or
5	29.635	40.7	41.0	40.0	SSW	3	0.170	0.172	10	Circ	o	o
6	28.906	41.2	39.8	37.6	SW	3	0.322	0.325	10	Cums	o	or
7	29.380	37.0	34.5	33.6	WSW	1	0.027	0.030	0	Clear	b	ocb
8	29.160	37.8	39.0	38.7	E	1	0.295	0.307	10	Circ	o	o
9	29.140	41.0	42.2	40.2	NW	2	-	-	5	Cum	bc	co
10	29.680	38.5	34.8	33.8	SW	1	0.025	0.025	2	Circ	bc	ocb
11	29.824	36.8	31.5	31.5	Calm	0	-	-	10	Fog	f	f
12	29.730	34.5	27.5	27.1	Calm	0	0.217	0.232	7	Circ	bc	oc
13	28.809	43.0	47.5	46.2	SSW	4	0.045	0.046	10	Cums	og	ro
14	28.813	37.8	37.8	35.8	S	4	0.140	0.142	9	Circ	bc	pbco
15	29.197	38.8	41.2	39.8	W	1	0.196	0.200	10	Circ	o	po
16	28.861	42.0	43.2	42.0	SW	4	0.151	0.155	10	Cums	o	po
17	29.458	39.0	38.0	36.9	SW	2	0.290	0.302	10	Cums	o	co
18	29.430	37.2	34.0	33.9	SW	2	0.037	0.040	9	Cums	cp	op
19	29.471	36.2	36.1	35.1	WNW	2	-	-	8	Circ	c	o
20	29.564	36.5	36.2	34.9	NNW	1	-	-	8	Circ	bc	bc
21	29.667	33.5	32.1	29.8	N	0.5	-	-	5	Circ	bc	bc
22	29.824	32.5	32.7	31.7	N	1	0.020	0.025	7	Circ	bc	bc
23	29.894	36.0	38.2	37.6	N	1	-	-	10	Cum	o	o
24	29.856	38.0	42.1	41.6	Calm	0	-	-	10	Circ	o	o
25	29.820	38.3	40.6	39.5	WNW	1	-	-	10	Cums	o	c
26	29.833	37.3	31.1	31.1	WSW	0.5	0.1018	0.020	10	Fog	f	of
27	30.000	37.0	32.7	31.1	SSW	1	-	-	10	Circ	q	q
28	29.918	36.0	38.2	37.2	NW	1	0.004	0.005	10	Circ	od	co
29	30.054	36.0	34.2	34.1	Calm	0	-	-	10	Circ	o	o
30	30.105	35.5	34.1	32.4	WSW	1	-	-	10	Cums	og	o
31	29.868	35.3	33.8	32.0	SSW	1	-	-	10	Circ	o	o

2.279 2.353

Snow on ground
ThawHoar Frost a.m.
Snow on ground

Snowshowers

Dense Fog a.m.

Rainfall 1887 (8 in Gauge)
23.624.

10 P.M.

Hygrom

Anemometer

Therm.

	E	A	Bar	Dry Wet	Wet	Sp.	Max.	Min.
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34'	235	201	30.180	47.6	46.0		89	290
40	236	196	30.324	46.7	45.7		93	296
46'	232	186	29.918	48.2	46.5		89	295
38	238	200	29.870	36.6	36.0		95	205
32	235	203	29.838	40.8	39.8		92	234
33	230	197	29.103	39.6	37.4		82	201
22	236	214	29.594	36.4	33.5		91	181
24	233	209	29.369	38.8	38.5		98	230
33	230	197	29.337	42.0	40.0		85	225
26'	238	212	29.892	34.7	33.7		91	182
21'	241	220	30.044	31.4	31.4		100	177
16'	243	227	29.957	27.4	27.0		92	137
37	226	189	28.998	47.4	46.0		90	293
24	230	206	29.019	37.6	35.7		84	190
25	232	207	29.404	41.0	39.6		89	227
34'	229	195	29.056	43.0	41.8		90	251
28	236	208	29.666	37.8	36.8		92	208
22	236	214	29.644	33.9	32.8		99	193
20'	236	216	29.687	36.0	35.0		91	193
21	237	216	29.780	36.1	34.8		88	188
13'	240	227	29.894	32.0	29.7		72	151
10'	240	230	30.054	32.6	31.6		88	164
20	239	219	30.113	38.0	37.4		95	216
25	237	212	30.068	41.9	41.4		96	255
26	237	211	30.031	40.4	39.3		91	228
23	241	218	30.051	31.9	31.0		100	174
23	242	219	30.219	32.6	31.0		82	151
20	239	219	30.137	38.0	37.0		91	208
23	242	219	30.273	34.1	34.0		99	195
19	242	223	30.328	34.0	32.3		82	162
18'	241	223	30.091	33.7	31.9		82	157
		211	29.804	37.72	36.63			

1887

9 P.M.

Hygrom

Anemometer

Clouds
Rain

Weather

Corrected

December

E

A

Bar

Wet

Dir.

Sp.

Amount
SquareForm
RowAt time
of obs.Since
last obs.

Max.

Min.

1	30.120	43.0	46.9	46.0	SW	2	10	Circ	o	o	49.4	45.9
2	29.940	45.7	48.4	47.9	SW	4	10	Cums	og	o	49.4	43.7
3	29.547	46.5	48.1	47.7	SW	3	10	Cums	og	o	50.7	47.2
4	29.716	40.6	33.1	32.1	SW	1	0	Clear	b	cb	48.2	32.3
5	29.392	42.5	42.0	40.9	S	2	10	Cums	o	bco	44.7	32.5
6	29.166	38.0	33.9	32.9	SW	2	10	Cums	og	op	44.6	33.3
7	29.506	37.0	31.7	30.9	SW	2	10	Circ	og	bco	37.2	31.5
8	28.917	42.0	46.9	45.0	WSW	2	10	Cums	og	op	50.4	29.0
9	29.492	41.0	36.1	35.1	NW	0.5	10	Cums	o	bco	47.3	36.0
10	29.740	38.0	30.1	30.1	SSW	0.5	10	Fog	f	bef	39.2	29.3
11	29.841	36.0	32.9	32.9	SSW	1	10	Circ	og	fo	32.8	28.8
12	29.146	40.0	47.1	46.2	SE	4	10	Nim	or	or	51.3	22.0
13	29.040	38.8	39.8	37.8	SSW	2	2	Circ	bc	poc	47.8	37.0
14	28.679	39.0	41.1	40.2	S	2	10	Cums	og	po	41.3	35.3
15	28.950	42.0	47.2	46.2	S	3	10	Nim	r	bep	49.4	37.2
16	29.149	40.7	38.3	37.2	WSW	2	7	Cums	cb	po	47.3	36.7
17	29.487	39.0	37.2	36.1	SW	3	10	Cums	og	po	47.8	37.0
18	29.410	37.0	34.7	34.1	NW	2	9	Cums	cp	op	38.2	33.2
19	29.562	37.8	31.8	30.9	NNW	1	4	Cums	bc	bc	40.3	31.7
20	29.600	35.3	32.9	31.5	N	1	2	Circ	bc	bc	39.4	31.5
21	29.748	33.6	30.1	29.1	N	1	0	Clear	b	bc	37.3	25.0
22	29.760	35.0	35.1	34.1	SW	2	10	Cums	og	cpo	38.7	23.7
23	29.848	37.0	38.2	37.2	W	1	10	Circ	o	bco	44.6	34.8
24	29.920	38.0	42.7	41.2	Calm	0	9	Cum	c	oc	44.4	37.5
25	29.771	39.0	35.6	34.5	Calm	0	9	Cum	c	c	43.7	33.2
26	29.869	38.2	36.3	35.1	SW	1	10	Cums	og	op	42.0	30.2
27	30.029	34.8	30.2	29.8	ESE	0.5	0	Clear	bef	och	39.3	30.1
28	29.957	37.0	35.7	34.5	Calm	0	10	Circ	o	oc	39.8	26.2
29	30.108	36.2	35.3	34.5	Calm	0	10	Circ	o	o	37.5	32.0
30	30.045	37.0	33.7	33.1	WSW	1	10	Circ	o	o	36.5	32.5
31	29.614	35.3	33.1	32.1	SSW	1	10	Circ	o	o	37.2	32.2

Snowshowers during day

Slight Fog p.m.

R₁

43.2
43.15
97.7
98.5
33.18

18	10 P.M.			Hygrom	Anemometer		Therm.		
	E	A	Bar	Dry } Wet }	Dir. Wet	Sp.	Max.	Min.	Sunshine
39	236	197	30.317	46.7	45.8		94	.278	-
46	234	188	30.128	48.3	47.08		97	.327	0.3
48	231	183	29.730	48.0	47.6		97	.325	-
32	239	207	29.923	33.0	32.0		89	.167	1.7
37	233	196	29.588	41.8	40.7		92	.242	0.9
25	235	210	29.376	33.8	32.8		89	.174	-
22	238	216	29.722	31.6	30.8		89	.159	3.2
35	227	192	29.109	46.7	44.8		87	.275	- 8
33	237	204	29.696	36.0	35.0		91	.193	3.5
25	240	215	29.955	30.0	30.0		100	.167	3.9
20	240	220	30.061	32.8	32.8		100	.187	- "
30	228	198	29.344	47.0	46.0		93	.298	-
27	231	204	29.244	39.6	37.6		84	.204	-
27	228	201	28.880	40.9	40.0		93	.236	-
35	227	192	29.142	47.1	46.0		92	.297	3.1
32	233	201	29.350	38.1	37.0		90	.207	- 16
28	236	208	29.695	37.0	36.0		91	.200	-
22	236	214	29.624	34.6	34.0		94	.189	-
25	239	214	29.776	31.7	30.8		88	.158	3.2
18	239	221	29.821	32.8	31.4		84	.157	2.7
14	240	226	29.974	30.0	29.0		83	.140	5.5
17	239	222	29.982	35.0	34.0		90	.184	2.0
22	238	216	30.064	38.0	37.0		91	.208	- 23
26	236	210	30.130	42.5	41.0		88	.239	-
28	239	211	29.982	35.5	34.4		90	.187	2.0
26	240	214	30.083	36.2	35.0		89	.191	-
18	243	225	30.254	30.1	29.7		94	.156	-
23	241	218	30.175	35.6	34.4		89	.187	1.0
21	242	221	30.329	35.2	34.4		92	.190	-
23	242	219	30.264	33.6	33.0		93	.181	-
18	239	221	29.835	33.0	32.0		89	.167	-
			24.553	232.2	202.8				33.0
			29.792	37.49	36.54				