

	Corr for Term.	Corr for GA&IE	Duratio of Rain Hours	Humidity per cent	VT	GRASS	1 FT	4 FT	
1	.031	.26529.571	6	99	254	23.5	40.7	45.2	Dull, after stormy night.
2	36	.26329.488	11	89	95	208	21.9	35.4	Squalls at night. Fine morn.
3	27	.26529.255		98	185	29.2	40.4	45.0	Snow lying. ± lin. after heavy R.
4	25	.26028.960		99	100	184	18.5	29.0	Snow lying 2.5 in. Dull morn.
5	25	.26228.965		98	100	184	18.5	27.8	Snow lying, clear overhead, heavy.
6	22	.26228.876		89	158	091	28.8	39.1	Snow disappearing, bright.
7	30	.25828.629		94	249	36.9	39.1	44.2	Raining.
8	30	.25429.201		99	95	236	25.4	32.1	Fine after rain. Fog later.
9	32	.25428.535		100	283	40.0	40.4	44.0	Very wet
10	27	.26429.393		86	83	177	17.3	31.0	Fine cold
11	22	.26729.542		87	97	164	17.9	26.8	Fine bright frost.
12	22	.26829.450		100	161	28.5	39.4	44.0	Fog & frost
13	28	.26629.762		89	94	222	22.5	32.0	Mild cloudy.
14	36	.26429.645		95	259	38.5	40.4	43.5	Dull.
15	36	.26329.498		88	220	34.5	40.5	43.5	Clear sky, mild, strong wind
16	30	.26229.361		90	95	195	20.2	33.5	Fine cold breeze.
17	28	.26929.834		96	194	32.0	39.5	43.5	Mail showers at night. to clear.
18	25	.27230.142		91	96	170	17.6	22.5	Frosty, fine.
19	31	.26729.976		95	249	34.0	38.5	43.3	Dull after rain.
20	33	.26329.669		93	91	272	26.5	40.5	Dull mild.
21	36	.26529.832		93	246	35.3	40.4	43.0	Fine damp.
22	36	.26430.276		92	95	240	24.4	26.0	Dense fog, beginning to lift.
23	36	.26430.440		98	265	26.7	39.8	40.4	Dull, dark, gloomy.
24	43	.27030.484		95	285	43.5	41.5	43.1	Dull cold.
25	45	.26830.282		99	271	42.5	42.5	43.1	Gloomy wet.
26	36	.26929.890		96	189	31.5	41.9	43.4	Net night. Snow showers in morn.
27	28	.26929.574		96	175	30.4	40.3	43.6	Snow lying 1-2 in. frequent S showers.
28	25	.27130.016		94	185	18.2	39.4	43.5	Snow lying. Cloudy.
29	28	.27330.295		93	185	18.3	38.6	43.5	Dull cold, snow lying.
30	26	.27230.270		88	188	25.5	38.5	43.2	Dull, snow lying, thawing.
31	23	.27530.364		76	162	28.7	38.2	43.0	Cold dry. NE wind.

1919

9 p.m.

Anemometer

Clouds

Weather

January

	Bar.	Att. Ther.	Dry	Wet	Dir.	Force	Amount	Form	At time of obs.	Since last obs.	Max	Min
1	28.935	42.0	39.3	38.0	WSW	4-5	10	nim	org	orr	47.0	34.5
2	29.191	41.6	35.2	34.6	SW	>3	10	—	om	bc	42.9	35.0
3	28.849	39.0	32.6	32.6	—	0	10	fog.	of	ops	36.0	32.0
4	28.708	39.5	33.1	32.9	—	0	8	fog.	ou	om	33.2	31.0
5	28.830	38.2	36.9	35.3	N	3	10	—	om	c	38.0	31.5
6	28.410	38.6	39.2	38.3	ESE	2-3	10	nim	OTT	CO	40.1	31.0
7	28.709	40.0	39.3	39.2	E	1	10	nim	OTT	OTT	42.5	38.2
8	28.811	40.5	42.4	41.4	ESE	2-3	10	cir.	0	ffo	43.0	34.9
9	28.863	41.5	39.6	38.7	WSW	3	10	nim	org	ord	45.1	39.3
10	29.196	40.0	34.2	33.7	S	2	1	cr. cum	bb	bc	41.5	34.0
11	29.310	39.5	37.9	37.9	SSW	1-2	10	fog.	off	of	38.5	31.0
12	29.334	39.0	39.1	38.8	SSW	1-2	8	cr. cum	f	fcu	40.1	28.4
13	29.270	42.0	45.9	45.1	S	5-6	10	nim	org	out	46.9	34.5
14	29.357	41.8	40.4	40.1	SSW	1-2	8	stratus a fog.	bcm	bb	51.6	38.4
15	29.222	41.0	38.8	37.0	SW	3-4	0	—	bb	0	47.9	37.0
16	29.411	40.1	37.4	36.4	W	1-2	5	cum	cbp	bcp	41.3	36.1
17	29.733	40.0	33.5	32.9	WSW	2	0	—	bb	cb	45.0	33.5
18	29.896	39.3	36.9	35.4	WSW	1-2	10	cir.	0	bbc	42.3	29.5
19	29.657	40.6	41.7	41.7	SSE	0-1	10	fog	of	off	44.3	36.6
20	29.427	42.3	39.3	38.9	SW	1-2	10	cir.	om	or	45.5	39.0
21	29.806	43.3	42.5	42.0	SW	0-1	10	cir.	0	c-o	48.1	38.5
22	30.126	42.7	41.2	39.7	S	3-4	9	—	c	bc	46.5	35.4
23	30.239	44.5	45.4	44.7	S	3	10	str	og	0	46.0	40.2
24	30.224	45.0	46.4	46.3	SW	2-3	10	str	od	od	47.8	44.5
25	29.824	44.0	41.0	38.7	SSW	3-4	10	—	0	cb	48.2	39.5
26	29.522	41.0	33.0	32.4	SW	2-3	3	cu-nb	cb	cb	43.1	32.6
27	29.604	39.0	33.6	33.0	NNW	3	10	nb.	cps	cps	35.5	31.6
28	29.977	38.5	29.5	29.2	—	0	0	—	b	bc	40.0	28.5
29	30.003	38.5	33.8	33.5	NE	0-1	10	nim	got	b.c.o	39.5	24.5
30	30.086	38.5	34.9	32.1	NE	2	9	br.cum	0	cb	38.9	33.9
31	30.111	38.1	36.4	34.1	E	2	10	—	0	c.o	39.0	32.4

min 33. months, etc 31

1335.3 1066.9
43.68 34.41

Corr for
Tem.Corr for
G.A. & I.E.Humidity
per cent

VT

Sunshine

1	035	261 29.161	90	215	0.0	Very heavy R in aftern. Squally
2	35	262 29.419	94 194	93	193 4.2	Very pleasant in aftern. Sunny
3	27	263 29.085	100	186	0.0	Dull day. snow showers. snow lying
4	27	262 28.943	98	185	0.0	Snow lying 2 to 3 in. Dull.
5	25	261 29.066	87 189	89	192 0.7	Snow melting, dark haze.
6	24	256 28.642	92 222	94	223 2.9	Raining heavily
7	30	259 28.938	100	238	0.0	Very wet all day
8	30	259 29.040	92 250	95	254 0.0	Foggy & overcast all day
9	30	259 29.092	93 223	97	231 0.0	Very wet & wild
10	30	264 29.430	95 188	93	184 6.0	Fine clear
11	28	264 29.526	100	228	2.5	Foggy. dense.
12	28	263 29.589	97 233	93	226 0.0	Calm. Banks of cloud. breaking
13	28	266 29.496	95	290	0.0	Raining & blowing.
14	38	265 29.586	98	244	0.4	Clear sky, but damp misty
15	33	263 29.452	85	201	1.2	Clear sky. mild, strong wind
16	31	266 29.646	92 204	95	208 1.6	Fine after showery day.
17	31	271 29.973	94 180	89	175 5.8	Cold aftern. frosty night
18	28	269 30.137	88	191	6.4	Fine bright day, to cloudy at night.
19	31	265 29.891	100	264	0.0	Dense wet fog.
20	36	265 29.656	97	233	0.0	Dull, misty. beginning to clear.
21	39	267 30.834	96	261	1.9	Fine mild calm.
22	39	271 30.358	89	227	3.9	Fine damp, clear to cloudy.
23	43	270 30.466	96	288	0.0	Dull, damp, mild.
24	45	270 30.449	99	314	0.0	Damp dull gloomy. drizzle.
25	42	268 30.050	82	210	3.6	Fine day. cold & blowing at night.
26	33	269 29.758	93 93	175 175	4.3	Fine day. Cold night. clear.
27	28	269 29.853	93	181	2.4	Heavy snow showers all day.
28	28	277 30.226	95	185	4.5	Snow lying. clear frosty.
29	28	275 30.250	97	188	4.9	Dark, gloomy, raining, snow lying.
30	27	273 30.332	74	151 149	3.0	Cold: dry NE wind. Aurora.
31	26	274 30.359	80	173	1.0	Cold dry, very dark, overcast.

1919

9. a. m.

Anemometer

Clouds

Weather

Rain gauges

February

Bar.

Att.
Ther.

Dry

Wet

Dir.

Force

Amount

Form

At time
of obs.Since
last obs.

8 inch Auto.

1	30.057	37.4	35.2	33.4	ENE	2-3	10	slt.	o	o	—
2	29.900	38.0	35.8	34.4	E	1-2	10	slt	o	o	—
3	29.844	38.0	34.5	33.6	S	1	10	slt	o	o	—
4	29.642	38.0	36.1	35.3	SE	2	10	slt-cum	c	o	.02
5	29.286	39.1	38.5	37.7	ENE	3	10	slt.	og	of	—
6	29.531	39.4	39.8	38.7	SE	4	8	pr. slt. cum	cb	o	.36
7	29.882	40.8	40.9	40.5	S	1-2	10	slt	or	or	—
8	30.221	38.8	35.0	32.2	SSE	4	4	cir.	bc	bc	—
9	30.363	37.6	33.9	31.4	SSE	3	1	cir	b	b	—
10	30.225	35.9	31.9	31.6	very vari- able	2	2	cir. a slt.	b	b	—
11	30.070	36.0	33.4	32.2	NE	2-3	0	—	b2	b2	—
12	29.944	37.2	34.4	33.4	SSE	1	0	—	b	b	.01
13	29.680	40.0	41.4	40.0	SSE	2	10	slt-cum	o	o	—
14	29.414	36.8	31.3	31.1	NE	2	10	bog	f ² x	fb	.10
15	29.213	39.8	40.9	40.5	E	2	10	slt.	rf	rf	.18
16	29.093	41.0	40.7	40.2	ENE	2-3	10	slt	om	om	—
17	29.063	40.1	38.3	36.8	NE	3	10	slt	o	o	—
18	29.387	36.6	29.9	28.5	S	1	0	—	b	b	—
19	28.995	38.5	36.0	34.7	ESE	3	10	min.	prs	o	.14
20	28.735	41.0	42.0	41.9	ESE	3	10	slt	ofd	of	.01
21	29.020	41.5	41.9	41.7	SSE	1-2	10	slt	om	om	.06
22	28.793	42.1	40.8	40.6	WSW	1	10	slt	ou	ou	.03
23	29.272	41.1	39.1	35.5	W	2	9	slt-cum	c	cb	—
24	29.424	38.4	33.0	31.0	SW	2	0	—	b	b	—
25	29.420	36.6	29.0	28.6	N	2	0	—	b	b	—
26	29.484	38.0	39.6	37.7	NE	3	8	cum.	c.	cb	.02
27	29.687	38.0	34.6	32.9	N	1-2	6	st-cum a cu-nb	cb	cph	—
28	29.770	37.5	34.3	32.0	SSW	3	0	—	b	b	—
29											
30											
31											

0.93

1919	Corrected Barometer		Humidity		Ground Thermometer			Remarks
	Temp	G.A. + I.E. + Bar.	%	V.T.	Grass	1 ft.	4 ft.	
1	023	272 30.306	83	171	31.5	38.2	42.9	Cold, dull, spitting snow.
2	26	271 30.145	88	185	33.5	38.4	42.8	Cold, dull.
3	26	271 30.089	91	182	33.3	38.5	42.6	Cold, dull.
4	25	268 29.885	93	198	28.5	38.6	42.5	Fine, dry, cloudy.
5	28	263 29.521	93	217	36.1	39.0	42.5	Overcast, hazy, gloomy.
6	28	266 29.769	92	223	36.9	39.2	42.4	Cloudy, strong breeze, cold.
7	34	268 30.116	97	247	39.8	39.9	42.4	Dull, dark, wet.
8	28	272 30.465	74	151	30.2	40.1	42.5	Fine, cold, dry.
9	23	277 30.609	75	146.158	24.0	38.9	42.6	Fine, dry, frosty.
10	20	276 30.481	96	174	17.1	37.7	42.7	Clear, hard frost.
11	20	273 30.323	87	167	24.6	36.9	42.5	Fine, frosty, hazy.
12	23	278 30.194	89	179	24.4	36.9	42.2	Cloudless, frosty.
13	31	265 29.914	89	231	37.0	37.7	42.0	Cloudy, fine.
14	22	269 29.661	97	172	21.0	37.5	41.8	Dense fog, a hoar frost.
15	30	262 29.445	97	247	34.0	38.2	41.8	Raining, foggy.
16	33	261 29.321	96	243	39.1	39.3	41.8	Dull, damp, misty.
17	30	262 29.295	87	201	37.1	39.6	41.8	Dull.
18	22	270 29.635	78	130	15.6	38.7	41.9	Bright, frosty.
19	26	263 29.232	88	188	27.0	37.9	41.9	Slight showers of sleet.
20	32	258 28.961	99	265	40.0	38.8	41.9	Very damp, foggy.
21	34	250 29.236	99	261	36.5	39.7	41.8	Dull, misty.
22	35	259 29.017	99	250	40.0	40.5	41.9	Dull, damp, misty.
23	33	263 29.502	73	172	31.1	40.5	42.0	Fine, cloudy.
24	25	268 29.667	78	147	19.0	39.5	42.0	Fine, bright, frosty, low fog.
25	21	271 29.670	93	148	16.0	38.4	42.1	Clear, hard frost.
26	25	265 29.724	85	206	18.9	37.8	42.1	Fine, milder, after frost.
27	25	273 29.935	83	167	20.0	37.8	42.0	Hail showers.
28	23	271 30.018	77	154	18.5	37.5	42.0	Clear, frosty.

Wind boxed the compass, 4.26
to 4.30. E. SE. S. W. NW. N. 12° E

1919	9. p. m.				Anemometer		Clouds		Weather		Temp.	
February	Bar.	Att. Ther.	Dry	Wet	Dir.	Force	Amount	Form	At time of obs.	Since last obs.	Max	Min
1	29.956	38.6	36.0	35.3	E	2	10	sl	0	oph	37.5	34.7
2	29.903	38.2	36.0	34.8	ESE	1	10	sl	0	0	38.0	34.6
3	29.760	38.6	34.9	34.3	—	0	10	sl	0	0	38.2	34.0
4	29.478	39.0	39.7	39.1	E	2	10	sl	ou	om	40.2	34.5
5	29.356	39.5	38.5	36.8	E	2	10	sl	0	0	40.5	38.0
6	29.565	41.0	41.4	40.8	SE	3	10	sl	ou	od	41.8	38.0
7	30.131	41.8	42.1	41.5	S	2	10	sl	0	cb	44.9	40.3
8	30.265	38.8	34.9	32.8	SSE	4	0	—	b	b	43.0	33.8
9	30.339	38.0	32.1	29.7	NE	1	0	—	b	b	39.8	31.0
10	30.110	37.4	33.2	31.5	NNE	2	0	—	b2	b	40.2	27.1
11	30.013	38.2	35.1	34.6	ESE	2	1	sl-cum	b	b	43.8	31.5
12	29.819	39.9	38.0	35.5	E	1	10	sl-cum	0	bc, 0	44.5	32.1
13	29.534	40.1	36.5	36.4	ENE	1	3	cir.	bef	o, bc	43.9	36.4
14	29.310	39.6	37.4	36.9	N	2	10	sl-cum	of	cbf	42.7	24.5
15	29.161	41.1	42.4	42.3	SE	2	10	sl	ofd	fr	43.1	36.1
16	29.005	41.0	38.7	37.9	NNE	2-3	10	sl	ou	c, 0	43.2	38.4
17	29.285	40.0	34.4	32.7	NE	1-2	8	sl-cum cir	c	cb	42.0	34.1
18	29.295	39.0	34.9	32.3	S	3	8	cir	cb	b	41.6	25.1
19	28.721	40.5	43.6	42.9	S	3	10	sl-cum	0	ors	44.1	32.5
20	28.953	42.0	40.9	40.8	WNW	1	10	sl	of	of	44.4	40.7
21	28.730	42.8	41.4	41.2	ENE	3	10	nim	r	o, r	47.0	40.0
22	29.078	42.7	41.4	40.4	WNW	3	8	sl-cum	c	or	43.0	39.8
23	29.368	41.2	33.4	31.6	SW	2	0	—	b	b	47.2	32.9
24	29.445	41.0	33.4	32.6	NNE	1-2	2	cum	bc	bc	46.0	27.5
25	29.447	38.7	33.3	32.4	E	2	0	—	b	cb	41.5	24.9
26	29.590	39.6	37.5	36.0	NNW	2	9	sl-cum	c	c	41.7	28.2
27	29.783	39.0	31.3	30.3	WNW	1	0	—	b	bc	43.2	30.2
28	29.685	39.8	35.0	34.0	SSW	2	0	—	b	b	47.3	26.8
29											1195.3	927.7
30											44.2	33.5
31											42.7	

1196

3

1919	Corrected Barometer	Humidity				
February	Temp	G.A. x I.E. +	Bar.	%	V.T.	Sun- shine
1	028	272	30.200	94	.199	0.0
2	26	271	30.148	89	.189	0.0
3	28	271	30.003	94	.191	0.0
4	28	266	29.716	95	.232	0.0
5	31	265	29.590	86	.199	0.0
6	33	265	29.797	95	.249	0.0
7	36	269	30.364	95	.255	0.1
8	29	275	30.571	80	.161	7.1
9	26	276	30.589	71	.130	8.1
10	23	275	30.362	81	.155	6.6
11	26	272	30.259	95	.195	6.4
12	31	269	30.057	79	.182	5.6
13	31	268	29.771	99	.214	0.0
14	31	264	29.543	96	.214	1.8
15	33	262	29.390	99	.269	0.0
16	33	261	29.233	94	.220	0.2
17	30	258	29.513	83	.166	1.0
18	28	266	29.533	76	.154	8.4
19	30	258	28.944	94	.268	0.0
20	35	261	29.179	99	.254	0.0
21	37	254	28.952	99	.256	0.0
22	38	260	29.300	92	.240	0.0
23	33	266	29.601	81	.155	3.8
24	33	268	29.680	91	.175	8.8
25	25	268	29.690	90	.172	2.0
26	28	267	29.829	87	.195	1.4
27	28	272	30.027	86	.152	8.0
28	31	269	29.923	90	.184	10.0

Cold, dull, slight sh² H.A.R.
 Cold, dull.
 Cold, dull, calm, smoke fog.
 Some rain, misty milder.
 Overcast, dark, hazy.
 Overcast, threatening to rain.
 Cloudy, mild.
 Fine, clear, dry, strong wind.
 Clear frosty.
 Fine frosty, hazy sky.
 Clear frosty.
 Cloudy, milder, nearly calm.
 Overcast day, nearly clear, ^{calm night} ground fog.
 Overcast, fog.
 Foggy, damp, slight drizzle.
 Drill, threatening.
 Cloudy, cold.
 Clear bright, to cirrus haze.
 Very wet day, sleet & rain.
 Dull damp foggy.
 Dull to wet.
 Rain to fine. Aurora at night.
 Fine frosty, at night. Aurora.
 Fine frosty, slight Aurora.
 Clear frosty. Good light visible.
 Cloudy, threatening to rain.
 Clear. Brilliant aurora.
 Clear frosty.

1919

9. a. m.

Anemometer

Clouds

Weather

Rain gauges

March

Bar.

Att.
Ther.

Dry

Wet

Dir.

Force

Amount

Form

At time
of obs.Since
last obs.

Sine

Auto.

1	29.440	38.8	40.0	38.5	SE	3-4	10	sl.	ou	b.c.o	.04	
2	29.043	43.2	46.8	43.2	SSW	6-7	4	cir.	cq	cqr	.04	
3	29.554	39.0	37.5	33.5	WSW	2	6	sl-cu.	c	bc	—	
4	29.640	35.2	33.6	30.6	NE	3	5	ci. sl	bc	b	—	
5	29.695	35.7	32.3	31.3	SW	1	8	sl-cu	cb	cb	.02	.02
6	29.711	38.4	38.6	37.8	SW	3	9	nim	cqr	c.o	.34	.34
7	29.228	42.0	45.8	45.1	SW	2	10	sl	ou	or	.07	.07
8	29.495	41.5	40.9	39.9	SSE	4	10	sl	ou	ou	.02	.02
9	29.545	43.0	42.4	40.9	SW	2	6	sl-cu	c	.0	.18	.18
10	29.130	45.2	50.8	50.0	SSW	5-6	10	nim	or	orq	.03	.03
11	29.386	42.5	40.0	37.5	SW	3-4	10	sl	o	o	—	—
12	29.670	42.0	40.6	37.4	NE	3	4	sl-cu	bc	c	—	—
13	29.720	38.6	36.9	33.9	E	2	0	—	b	b	—	—
14	29.449	39.0	37.3	35.1	SW	1	1	cum	b	b	—	.01
15	30.130	40.6	40.9	37.3	SW	1-2	3	cir	bc	bc	—	.01
16	30.349	42.0	43.1	42.1	SW	2	10	sl	.0	c.o	.02	.02
17	30.519	40.8	39.2	37.9	S	2	10	cir. haze	c	b.c	.25	.24
18	30.075	41.6	38.0	37.6	S	3	10	nim	or	or	.66	.65
19	29.237	44.4	43.7	43.2	NW	3-4	10	nim	or	or	.10	.11
20	29.366	40.8	35.6	35.5	NE	2	10	nim	our	bc, o	.05	.05
21	29.494	38.0	34.4	33.4	ENE	4	6	cum	cb	cb	—	—
22	29.586	37.1	35.9	32.1	NE	3-4	3	cu. d. cu-nb.	bc	cps	.01	.01
23	29.481	36.0	34.8	31.7?	E	1	1	sl-cu	b	b	.01	.01
24	29.458	36.4	37.4	34.1	ENE	3	3	cu.	bc	b	—	—
25	29.828	37.1	37.7	33.7	ESE	2-3	0	—	b	bcp's	.02	.02
26	29.619	37.8	33.6	33.0	SSW	3-4	10	nim	os	bc, os	.34	.33
27	29.150	39.8	36.7	35.7	NW	5	5	cu-nb.	bcgrs	qr	.06	.07
28	29.586	38.2	36.9	34.9	WNW	3	3	cu. and cir.	bc	ps	.04	.04
29	29.500	37.3	36.6	33.4	NNW	2-3	0	—	b	cps	.01	.01
30	29.392	36.2	33.5	31.4	W	2-3	10	cu-nb.	ops	bc	.01	.02
31	29.477	36.0	39.2	37.0	NW	2	3	cu	bc	ps	.11	.11

Auto. gauge restarted
after repairs on Mar 5th.Deposit of hoar frost
do

Fall by trace 24. By cent. of pass 25

Slight snow sh^d during night.

Slight snow during night.

New bar. correction card first
used .009 above old.
extra corr. of +.016 discontinued

2.43

x water in auto. gauge frozen
2.45

1919	Corrected Barometer			Humidity		Temp. on Grass	In Ground				
	Temp	G.A. & I.E. +	Bar	%	V.T.		1 ft.	4 ft.			
March											
1	028	265	29.677	88	217	22.3	37.3	41.7			Dull threatening.
2	38	259	29.264	75	239	23.4	38.8	41.7			Windy, mild.
3	28	267	29.559	69	153	24.5	38.7	41.6			Fine cold.
4	17	269	29.892	70	134	12.0	37.7	41.6			Frosty, fine dry.
5	19	270	29.946	88	161	15.8	36.9	41.5			Fine cold.
6	25	269	29.955	94	219	24.9	37.3	41.5			Rain squalls.
7	35	261	29.454	95	291	40.8	39.0	41.3			Dull after rain.
8	33	265	29.727	92	235	35.6	39.9	41.2			Rain damp cold.
9	38	265	29.772	88	234	34.7	40.9	41.4			Fine cloudy.
10	43	265	29.345	94	351	36.9	41.4	41.5			Raining & blowing.
11	36	265	29.615	80	198	35.0	41.5	41.8			Dull cold. Solar halo 12h-13h.
12	36	266	29.900	75	191	32.6	41.3	42.0			Fine bright.
13	22	269	29.967	76	165	15.0	40.0	42.1			Cloudless frosty.
14	28	272	30.193	82	181	17.7	39.1	42.2			do do
15	34	270	30.366	73	186	19.0	39.4	42.2			Very fine.
16	37	272	30.584	92	256	24.3	39.9	42.0			Overcast threatening.
17	34	276	30.761	89	244	23.5	39.9	42.1			Fine, cir. haze, solar halo.
18	36	271	30.310	96	220	35.6	40.7	42.1			Raining heavily.
19	43	262	29.456	96	273	44.1	41.9	42.1			Raining very heavily.
20	33	267	29.600	100	207	28.5	41.4	42.2			Very wet & cold.
21	25	278	29.747	89	179	28.0	40.3	42.3			Cold dry.
22	22	268	29.832	68	145	19.0	39.4	42.5			Hard frost. W.B. frozen & dry. read late 9h-35m.
23	20	268	29.729	71	144	14.1	38.5	42.4			do. do. W.B. uncertain.
24	20	266	29.704	73	164	14.3	38.0	42.2			Fine bright.
25	23	269	30.074	69	155	16.5	37.9	42.0			Clear frosty.
26	25	269	29.863	93	181	16.5	37.8	41.9			Overcast, snowing.
27	30	265	29.385	91	198	31.6	38.8	41.7			Violent sleet squalls.
28	25	260	29.821	84	182	23.2	39.2	41.7			Some snow during night. Fine morn.
29	22	259	29.737	73	160	12.0	39.7	41.7			Fine, clear, snow lying 1 in.
30	20	259	29.631	78	150	17.8	39.0	41.8			Snow showers.
31	25	256	29.708	84	197	24.0	39.3	41.8			Snow showers in early morn.

1919

9. p. m.

Anemometer

Clouds

Weather

Temp

March

Bar.

Att.
Ther.

Dry

Wet

Dir.

Force

Amount

Form

At time
of obs.Since
last obs.

Max

Min

1	29.219	42.0	42.7	41.8	S	4	8	sl-a	ou	or	43.1	30.2
2	29.315	41.8	36.7	34.5	WSW	2	10	sl	o	bcpq	48.7	36.0
3	29.713	35.8	26.4	25.0	—	0	0	—	b	bc	41.3	26.4
4	29.649	38.2	32.5	30.9	NE	1	10	sl	o	bc	38.8	23.1
5	29.776	39.0	33.6	32.3	SW	1-2	0	—	b	cb	49.1	25.1
6	29.549	40.4	42.1	41.9	SW	1	10	nim	or	or	48.1	31.6
7	29.422	42.5	37.9	37.4	E	2-3	10	nim	outr	or	50.0	37.5
8	29.427	43.8	45.1	44.7	SW	2-3	10	str	ou	oud	47.8	36.3
9	29.543	43.5	40.9	39.2	SSW	2-3	6	st-cu	c	cph	48.4	39.8
10	29.298	45.0	41.8	38.9	SW	4	5	A-cu tent	cb	ou	52.6	40.3
11	29.431	43.9	38.7	37.7	—	0	10	cir.	o	o	47.1	37.1
12	29.824	39.4	31.3	29.1	—	0	0	—	b	bc	45.4	31.2
13	29.841	40.7	32.4	31.3	NE	1	0	—	b	bc	45.3	25.3
14	29.882	42.0	37.7	34.4	SW	1	9	st-cu	c	cb	49.7	27.0
15	30.283	41.9	33.9	33.0	SW	1	1	cir.	b	bc	50.5	29.5
16	30.484	42.5	38.3	36.6	WSW	1	8	st-cu	c	bc	50.3	31.0
17	30.413	43.2	40.9	38.5	SSW	1-2	10	cir-a str	o	o	50.0	32.1
18	29.743	44.1	47.8	47.7	SSW	2-3	10	sl	od	or	48.7	36.0
19	29.274	43.5	36.8	35.5	WNW	2-3	5	cum	c	OT, p	48.3	36.3
20	29.464	40.0	34.4	32.9	NE	4	8	cir-a cum	c	OFps	41.5	32.0
21	29.563	38.4	31.4	30.4	NE	2	2	cir.	b	OFps	39.0	31.1
22	29.561	37.7	28.9	28.1	—	0	0	—	b	cps	39.0	27.0
23	29.456	36.6	33.3	31.5	E	1-2	10	cumt	ouhs	b.c.o	39.8	23.5
24	29.724	38.0	30.9	29.6	E	1	3	cu.	bc	cb	42.0	26.5
25	29.800	36.6	29.9	28.4	S	2	0	—	b	bc	42.7	26.7
26	29.222	40.6	44.3	43.4	SW	6-7	10	sl	ougr	oustr	44.9	26.6
27	29.436	38.9	34.0	32.8	NW	5	7	cu-nb.	ghs	ghs	45.4	33.6
28	29.513	39.5	33.0	31.8	SSE	1	10	sl	ou	b.c.p.s.o	42.6	30.0
29	29.481	37.6	28.2	27.7	W	2	1	ci-sl	bc	cps	43.4	24.5
30	29.464	38.2	31.9	31.4	WSW	2	6	cum	cb	b.c.p.s	45.4	28.2
31	29.476	39.2	33.8	32.8	WSW	1-2	10	cu-a str.	o	bc	47.0	29.5

1415.9
45.68
951.5
20.69

W.B. frozen. Reading uncertain.
owing to calm air took a long time to
settle after wetting.

New correction card for
barometer received. 209 ft
above M.S.L. to be reckoned.

1919	Corrected Barometer		Humidity																	
March	Temp	Q.A.A. I.F. + Bar.	Bar.	%	V.T.	Sun- shine														
1	036	262	29.446	92	1255	0.0														
2	36	265	29.534	82	1177	2.9														
3	20	275	29.968	63	1091	5.1														
4	25	270	29.894	81	1150	3.4														
5	28	271	30.019	86	1166	4.2														
6	33	265	29.781	98	1264	0.3														
7	37	266	29.651	96	1217	0.0														
8	41	263	29.649	97	1291	0.0														
9	38	266	29.771	87	1220	1.8														
10	43	262	29.517	79	1207	0.2														
11	41	266	29.656	92	1216	0.7														
12	28	272	30.068	71	1126	6.4														
13	34	272	30.079	87	1160	9.9														
14	36	268	30.114	73	1166	7.8														
15	37	275	30.621	90	1177	8.2														
16	38	276	30.722	86	1198	1.0														
17	40	275	30.648	82	1208	1.8														
18	41	265	29.467	99	1330	0.0														
19	39	265	29.500	90	1194	1.0														
20	31	278	29.701	85	1169	0.0														
21	25	270	29.808	86	1153	1.5														
22	25	272	29.808	86	1136	5.8														
23	22	268	29.702	81	1187	5.4														
24	25	273	29.972	80	1141	5.6														
25	20	273	30.053	76	1127	6.8														
26	33	262	29.451	93	1270	0.0														
27	28	268	29.676	87	1172	5.5														
28	28	262	29.747	86	1163	5.0														
29	23	263	29.721	90	1139	8.4														
30	25	260	29.699	94	1169	5.6														
31	28	259	29.707	89	1174	7.5														
						111.0														
						111.8														

Blowing, and raining a little.
 Wild squally, to overcast, calm.
 Severe frost, clear.
 Fine to overcast.
 Fine, frosty.
 Dull, raining.
 Disagreeable wet & slop-
 damp, drizzling all afternoon.
 Hail sh? 17h. Fine night.
 Clear, haze, lunar halo, sky clearing.
 Dense air, haze, large lunar halo.
 To clear frosty.
 To cloudless frosty.
 To cloudy, fine, dry.
 Brilliant, frosty, lunar halo, 22 h.
 Fine, passing clouds.
 Fine, overcast.
 Very wet all day.
 Clearing after rain, bright sun.
 Cold, some snow showers.
 Very cold, slight snow showers.
 Hard frost, air very calm.
 Soft hail & snow shower, 21-22 h.
 Fine, frosty.
 To clear frosty.
 Blowing hard, raining.
 Violent squalls all day, sleet, hail & rain.
 Fine, passing snow showers, to overcast.
 Frequent snow showers, to frost.
 Frequent snow showers.
 Fine milder, sun at night.

1919

9. a.m.

Anemometer

Clouds

Weather

Rain gauge

Bar.

Att.
Ther.

Dry

Wet

Dir.

Force

Amount

Form

At time
of obs.Since
last obs.

8 inch Auto

April

1	29.532	38.6	38.5	37.4	NNE	2	5	cum	cb	os	.01	.01	
2	29.946	38.6	40.0	38.1	SW	2	2	cir	bc	b	.03	.03	.04
3	29.883	42.4	45.3	44.2	W	2	10	str	o	or	.02	.02	.06
4	30.040	44.2	47.9	45.4	W	2	9	cu-str	c	o.c	—	—	
5	29.880	45.6	47.1	44.7	W	3-4	10	str	o	o	.02	.02	.08
6	29.788	47.2	48.1	45.5	SW	3-4	5	cum	bc	o.c	—	—	
7	29.579	48.4	48.8	47.8	SW	4-5	10	fr-str	od	o	—	.01	
8	29.320	46.0	45.9	42.9	SW	3-4	2	cu	bc	bc	.03	.03	.11
9	29.491	45.5	43.2	40.2	WNW	3-4	1	cu	b	bc	.17	.17	.28
10	29.456	46.7	50.6	50.4	SW	3	10	nim	od	or	.01	.01	.29
11	29.484	50.8	52.8	52.1	SW	6	10	str	om	ogd	.11	.11	.40
12	29.622	48.6	45.4	43.5	SW	2-3	4	cu	bc	cp	.03	.03	.43
13	29.413	46.0	42.5	39.7	SW	4-5	3	cu	bc	b	.15	.16	.58
14	28.567	46.5	46.9	43.7	SW	4	6	A. cu & cu-nb.	cbpg	cbpg	.09	.10	.67
15	28.867	45.6	43.8	41.7	NW	4-5	10	fr-str	ou	or	.02	.02	.69
16	29.700	45.5	48.7	43.7	NNW	5	5	cu & cu-nb.	bcpg	bcpg	.05	.05	.74
17	29.922	48.0	49.8	49.3	SW	4	10	fr-str	ou	od	—	—	
18	30.146	50.5	53.0	57.0	SW	3-4	10	str	o	o	—	—	
19	30.286	52.5	53.8	52.7	SW	3	7	st-cu	cb	cb	—	—	
20	30.574	48.2	46.2	41.9	E	4	2	cu & cir	bc	b	—	—	
21	30.480	48.0	50.3	46.3	SW	3-4	0	—	b	b	—	—	
22	30.337	48.9	52.0	47.8	SW	2	2	cir	bc	bc	—	—	
23	30.232	51.0	51.1	47.2	NW	4	6	cu-nb	c	c.o	.01	.01	.75
24	29.929	49.7	45.8	43.8	N	2	9	fr-str & cu	c	cp	.03	.03	.78
25	29.810	50.0	44.8	43.5	W	3	10	str & nim	bcf	o.p	.05	.05	.83
26	29.796	46.9	43.1	40.0	NNW	4	4	cu-nb.	bc	bc	.16	.17	.94
27	29.688	44.9	42.5	38.3	N	5	8	cu-nb	pqs	pqs	.04	.04	.93
28	29.815	43.8	43.5	38.7	N	6	6	fr-str	cg	cg	—	—	
29	30.030	42.0	42.5	38.2	NE	3	9	cu	c	cb	.05	.05	1.08
30	29.788	46.8	52.8	50.1	W	2-3	9	fr-str	o	c	.11	.11	1.19
31													

1.23

New pen put in Auto gauge.

Actual reading of both .035

1919	Corrected Barometer		Humidity									
April	Temp F	Temp C	Bar.	% H.T.	Temp on Grass	In Ground 1 ft	4 ft					
1	027	259	29.764	91	211	29.0	39.9	42.0	Snow lying 2-3 in. Melted by 12.			
2	26	260	30.180	85	204	18.5	39.4	41.8	Fine, clear.			
3	36	258	30.105	92	277	39.2	40.9	41.7	Bull. mild. Slight shower 3h.			
4	42	259	30.257	83	273	38.5	42.4	41.8	Cloudy, mild, fine.			
5	47	257	30.090	83	267	42.5	43.6	42.0	Overcast			
6	51	257	29.944	82	273	43.0	44.3	42.2	Fine, sky clearing.			
7	52	254	29.721	93	321	44.2	44.9	42.4	Overcast, mist, drizzle.			
8	47	254	29.527	79	244	33.5	44.8	42.9	Fine, bright, breezy			
9	47	254	29.698	78	217	31.0	44.0	43.1	Fine bright.			
10	44	252	29.659	99	363	31.0	44.1	43.2	Overcast, damp, drizzling.			
11	60	251	29.675	95	380	50.2	45.7	43.3	Blowing hard, misty.			
12	53	252	29.823	87	260	38.5	45.8	43.7	Showery			
13	47	255	29.621	79	215	34.6	45.0	43.9	Clear cold breezy.			
14	46	248	28.769	79	249	33.3	44.8	44.0	Very showery.			
15	46	244	29.070	84	241	39.5	45.3	44.0	Overcast, threatening.			
16	45	253	29.910	67	232	31.0	44.9	44.2	Showery, squally.			
17	53	258	30.127	96	345	39.0	45.9	44.3	Overcast, damp.			
18	60	258	30.344	86	347	49.2	46.9	44.5	Overcast, fine warm.			
19	65	257	30.478	80	360	48.6	48.2	44.7	Very fine warm			
20	49	265	30.730	71	224	26.5	47.9	44.9	Clear cool.			
21	54	262	30.688	74	268	22.6	47.1	45.2	Fine clear			
22	56	261	30.524	73	283	35.0	47.4	45.3	Fine, sky hazy.			
23	50	260	30.442	74	280	34.5	48.4	45.7	Fine, but cloudy. Early morn.			
24	58	259	30.130	87	266	38.3	48.7	45.9	Cloudy slight snow fine after			
25	58	258	30.010	90	267	32.8	48.9	46.0	Overcast passing showers breezy.			
26	50	259	30.005	77	215	34.6	48.1	46.0	Cold, fine			
27	44	257	29.901	71	190	32.0	48.0	46.3	Violent snow squalls.			
28	42	258	30.031	66	187	26.6	47.1	46.4	High wind, warmer.			
29	36	261	30.255	70	188	18.6	45.9	46.4	Fine cloudy.			
30	50	255	29.993	82	220	37.3	47.1	46.3	Bull threatening.			

1919

9. p. m.

Anemometer

Clouds

Weather

Temp.

April

Bar.

Att.
Ther.

Dry

Wet

Dir.

Force

Amount

Form

At time
of obs.Since
last obs.

Max

Min

1	29.850	40.0	34.7	34.2	NE	1	0	—	b	cb	45.9	29.9
2	29.910	42.1	42.4	40.4	SW	2	10	str	0	cb	53.0	27.5
3	29.966	43.8	43.1	41.9	WNW	2	9	cum	c	cp	53.2	40.0
4	30.015	45.6	47.3	46.2	W	3	9	cu-st	c	c	55.1	41.2
5	29.840	48.0	48.6	47.6	W	3	10	str	0	od	55.0	45.0
6	29.688	48.0	47.9	46.4	SW	3	8	st-cu	c	b.c.o	53.6	44.8
7	29.389	49.0	45.0	44.1	SW	1-2	10	st-cu	0	0	53.6	44.8
8	29.366	47.0	39.0	38.0	SW	2-3	5	cu	bc	bcpht	52.9	36.5
9	29.552	44.5	36.4	35.4	S	3	1	ci-st	b	bc	52.4	34.5
10	29.574	52.0	52.0	50.5	SW	6-7	10	str	0	om	57.4	36.6
11	29.638	50.6	47.4	44.4	SW	4	4	ci-st	bcm	bcp	59.0	47.2
12	29.595	48.0	40.3	38.3	SW	3-4	8	cu-nb	cp	bcp	51.8	39.9
13	29.172	45.5	37.8	36.9	SW	3-4	4	A. cu st	bc	bcpht	50.4	35.6
14	28.475	47.0	42.3	41.9	NNW	1	10	nim	or	bcp	51.5	37.1
15	29.311	45.8	40.7	38.5	WNW	3-4	3	cu-nb	bc	cp	51.3	40.1
16	29.955	47.5	44.5	42.3	W	2-3	8	A. cu. lent	c	bc	54.7	38.7
17	30.032	50.0	51.0	49.5	SW	4	10	str.	our	c.o	59.0	42.4
18	30.233	51.9	53.6	52.1	—	0	10	str.	0	0	59.0	49.4
19	30.470	50.1	41.1	39.3	NNE	3	0	—	b	c	59.1	41.0
20	30.507	49.0	40.4	38.1	SE	2	0	—	b	b	52.0	36.1
21	30.416	50.0	46.4	42.5	S	4	2	cir	bc	b	56.8	30.5
22	30.244	50.5	43.9	42.4	WNW	1	0	—	b	b	62.4	39.0
23	30.026	51.1	45.1	43.4	N	1	9	cu & str	c	C. bc	56.8	42.5
24	29.992	50.0	42.7	41.1	—	0	3	sc cu	bc	bc	54.7	39.5
25	29.652	48.7	44.6	43.2	SW	3-4	9	cumt	bc	bc	53.9	40.0
26	29.821	47.5	38.3	37.6	SW	2	3	st-cu	bc	bcp	51.5	37.9
27	29.812	42.0	33.4	30.1	NW	6	2	cu-nb	bc	pys	43.1	31.5
28	30.004	43.1	36.4	33.9	N	4	2	ci-st	bc	cb	47.8	32.4
29	29.930	45.5	44.3	44.0	W	2	9	cu	cr	c	50.9	29.0
30	29.645	48.8	49.7	49.2	SW	2	10	nim	or	c	58.9	42.5
31												

Bar. at 17h read 28.404, uncorr.

1618.7
53.95

1153.1

1914 Corrected Barometer. Humidity

April	Temp	GA & IE	Bar.	%	V.T.	Sun-shine
1	031	263	30.082	95	1.52	6.8
2	36	260	30.134	85	2.29	7.8
3	42	260	30.184	90	2.52	1.2
4	47	259	30.227	92	2.99	0.7
5	53	256	30.043	93	3.18	1.4
6	52	255	29.891	90	2.96	1.1
7	55	254	29.588	93	2.77	0.1
8	49	256	29.573	92	2.18	8.4
9	42	259	29.769	88	1.91	10.3
10	62	253	29.765	90	3.48	0.0
11	53	263	29.885	80	2.58	5.3
12	52	258	29.801	84	2.10	7.3
13	43	256	29.385	93	2.10	7.2
14	48	247	28.674	97	2.62	6.1
15	47	256	29.520	83	2.10	2.5
16	53	258	30.160	83	2.44	9.6
17	61	257	30.228	90	3.36	0.7
18	64	258	30.427	90	3.69	0.5
19	59	266	30.617	85	2.20	1.3
20	32	267	30.732	82	2.05	13.2
21	59	264	30.621	74	2.31	11.2
22	42	260	30.462	88	2.54	13.3
23	61	260	30.225	87	2.61	2.1
24	58	261	30.195	87	2.39	7.4
25	54	256	29.854	90	2.63	3.2
26	50	261	30.032	94	2.17	8.1
27	36	263	30.039	68	1.28	10.2
28	39	264	30.229	79	1.69	4.7
29	46	260	30.144	98	2.84	2.7
30	55	252	29.844	96	3.44	2.5

Wind changed from 202° to 340° bet 21-22.

Solar halo & parhelion 19h.

Fine clear.
Mild, cloudy.
Cloudy day, some heavy showers.
Cloudy fine warm.
Cloudy, damp, some drizzle.
Fine, cloudy.
Overcast, fine.
Heavy showers, T and H about 15h.
M-c. Cloud some after 3.
Fine clear.
Overcast, windy, misty.
Showers, aftern. fine night, misty sky.
Frequent showers, T heard, 13h.
Fine after showers. Hail about 14h.
Fine to heavy showers.
Fine, clear, after showers.
Fine, cloudy.
Overcast, beginning to rain.
Overcast warm.
Fine, clear, colder.
To clear cold.
Fine, some cirrus haze.
Fine clear sky, v. fine bright day.
Fine, but cloudy.
Fine calm, fine afternoon & eve.
Showers, cold.
Cold, after showers.
Violent snow squalls all day.
Fine, cold.
Fine to slight rain.
Raining, mild.

1919

9 a.m.

Anemometer

Clouds

Weather

Rain gauge

May

Bar.

Att.
Ther.

Dry

Wet

Dir.

Force

Amount

Form

At time
of obs.Since
last obs.

8 inch Auto

1	29.526	48.6	48.4	44.2	W	3	10	sls	0	OT	.39	.39	
2	29.340	47.2	46.3	40.1	W	2-3	5	cu	bc	b	.03	.03	.42
3	29.409	47.2	45.5	42.0	SW	2	9	cu-nb fr-cu	cpo	bc	.07	.07	.44
4	29.430	49.6	51.3	50.1	SSW	4	10	Str	ou	our	—	—	
5	29.635	52.0	52.6	48.7	SSE	5	8	cu. sls A-cu	0	eq	—	—	
6	29.824	50.4	47.7	45.0	W	2-3	9	fr-cu	0	cb	—	—	
7	30.042	49.9	49.1	47.5	NE	2-3	4	fr-sl A-cu-sl	bcu	ofw	—	—	
8	30.028	48.0	46.5	44.7	N	1-2	10	fr-sl A-cu	0	omw.	—	—	
9	29.843	47.4	45.4	43.5	NE	2	10	sls	0	om	—	—	
10	29.592	52.8	56.5	57.4	ESE	3	7	st-cum	c	c	—	—	
11	29.528	53.5	51.5	49.8	SSE	3	10	sls	or	c.o	.30	.31	.80
12	29.774	54.5	53.7	52.6	SSE	3-4	10	fr-sl A-cu	0	0	—	—	
13	29.939	56.6	56.5	53.8	SSW	3-4	7	fr-sl A-cu	c	c	.16	.16	.96
14	29.777	58.1	62.3	57.5	SE	3-4	9	fr-sl A-cu	0	OT	.02	.02	.98
15	29.673	59.0	59.8	56.7	SE	2-3	9	fr-cu	omp	om	—	—	
16	29.777	58.6	54.4	52.7	SSE	2-3	10	fr-sl	0	c.o	.02	.02	1.00
17	29.646	56.9	53.8	52.2	SE	5	2	cu & sls	bc	T.O.C	.01	.01	1.01
18	29.750	56.1	54.2	51.2	SW	3	10	fr-sl	0	0	.37	.38	1.39
19	29.912	55.5	52.2	48.9	SE	4	6	sls	c	c	—	—	
20	29.865	53.0	52.9	48.9	SE	4-5	10	A-sl A-cu	0	c.o	.15	.17	1.56
21	29.850	53.9	49.7	49.1	\$	3-4	10	sls	ou	our	—	—	
22	30.006	56.3	57.0	53.4	\$	2	8	cu-sl cu	c	bc	—	—	
23	30.072	56.3	54.4	51.0	\$	2-3	9	cu-sl	0	c.o	.03	.03	1.59
24	30.138	58.0	57.2	53.9	SW	0-1	6	cu	c	c	.22	.23	1.82
25	30.106	58.0	53.6	53.9	—	0	9	sls	0	OT	.02	.02	1.84
26	30.144	60.0	61.4	56.1	\$	1-2	4	cu	bc	bc	—	—	
27	30.121	58.8	64.7	58.8	—	—	1	A-cu	b	b	—	—	
28	30.044	60.0	64.8	58.5	SE	1-2	0	—	bz	bz	—	—	
29	29.942	59.8	64.0	57.5	ESE	2	0	—	bz	b	—	.01	1.85
30	29.875	61.0	63.0	59.7	ESE	1-2	0	—	bz	fb	—	—	
31	29.876	62.4	65.1	61.0	NW	1	3	A-cu	bcz	bw	—	trace	

1.79

1.85

1919	Corrected Barometer	Humidity					
May	Temp + GAIE	Bar.	%	V.T.	Temp in Grass	1 ft	4 ft
1	.052	29.729	72	.245	37.6	48.4	46.2
2	.49	29.545	60	.189	35.3	48.4	46.5
3	.49	29.618	75	.229	35.3	48.3	46.5
4	.57	29.624	92	.347	41.7	48.8	46.5
5	.62	29.825	75	.297	44.2	49.6	46.7
6	.58	30.023	81	.267	39.1	49.4	46.8
7	.58	30.242	89	.309	27.8	49.8	47.0
8	.53	30.235	87	.274	27.3	49.0	47.2
9	.52	30.049	87	.260	27.1	48.7	47.2
10	.65	29.778	69	.319	43.6	50.0	47.3
11	.72	29.708	89	.336	43.3	51.8	47.4
12	.70	29.957	81	.359	43.8	51.4	47.7
13	.76	30.118	83	.379	50.0	52.7	47.9
14	.79	29.948	73	.409	52.4	53.9	48.1
15	.82	29.840	81	.417	50.5	54.9	48.5
16	.82	29.949	89	.376	40.9	53.4	48.9
17	.76	29.828	85	.368	38.2	54.9	49.3
18	.73	29.931	80	.337	46.4	53.0	49.8
19	.72	30.095	78	.306	40.5	54.6	50.0
20	.72	30.048	74	.299	44.0	54.3	50.1
21	.69	30.037	96	.340	47.2	54.1	50.2
22	.74	30.184	77	.361	48.4	54.7	50.3
23	.75	30.253	78	.330	44.9	53.5	50.5
24	.80	30.313	79	.372	45.0	53.9	50.8
25	.80	30.281	88	.394	42.3	56.3	50.9
26	.85	30.391	71	.382	49.5	57.3	51.1
27	.83	30.289	68	.417	38.0	57.5	51.5
28	.85	30.210	67	.407	40.0	57.9	51.8
29	.86	30.107	65	.390	38.0	57.8	52.0
30	.88	30.037	81	.462	43.5	58.1	52.2
31	.92	30.033	77	.477	42.0	58.9	52.5

Bull.

Fine bright.

Showering, changeable

Raw, overcast.

High wind, fine

Cold, slight shower 8-30 am

Fine, misty, to overcast.

Dull, cool, heavy dew.

Bull, cold.

Warm, fine, cloudy.

Passing Showers

Warm, windy.

Fine, breezy.

Fine, damp, after rain.

Overcast threatening, slight shower.

Overcast, mild.

Breezy, fine.

Bull.

Cold windy.

Overcast, cold windy, threatening.

Bull, cold wet & unpleasant.

Fine, warmer.

Fine, cool, cloudy.

Fine, warm, soft haze.

Fine after rain

Fine warm.

Brilliant.

Brilliant, slight haze.

do do

Brilliant moon. Fog before 8h.

Fine warm haze.

Aeroplane passed over, going
W. & flying high. 10h 35 am.
Wind very variable.

1919

9 p.m.

Anemometer

Clouds

Weather

Temp

May

	Bar.	Att. Ther.	Dry	Wet	Dir.	Force	Amount	Form	At time of obs.	Since last obs.	Max	Min
1	29.212	48.3	43.9	43.7	NE	2	10	nim	OT	C, O	54.6	43.2
2	29.366	47.5	42.5	40.2	SW	3	10	nim	C, OT	C, P	57.0	37.8
3	29.502	49.4	46.7	42.5	SE	2-3	8	St. cu	O	bc	53.8	38.2
4	29.608	52.6	52.7	47.9	S	4	7	St	O	o/p	62.6	44.3
5	29.574	51.8	49.5	45.9	S	5	0	—	b	cb	55.8	48.4
6	29.961	52.0	47.0	44.4	—	0	7	cu	cb	cb	60.0	42.8
7	30.068	50.0	43.8	41.0	—	0	0	—	b	cb	53.8	38.0
8	29.948	48.5	42.5	40.5	—	0	2	cir	b	o.c.b	57.6	35.4
9	29.679	53.0	53.8	57.0	E	4	7	cir- haze	c	cb	60.6	36.5
10	29.534	55.6	55.0	53.6	S	2-3	7	St	b.c	c	67.3	47.5
11	29.650	54.0	49.0	48.0	S	2	6	St	c	o/p	56.9	45.4
12	29.815	56.8	56.0	53.8	S	4-5	6	St- fr-st	c	c	63.2	48.5
13	29.913	58.6	56.6	56.6	SE	2	10	nim	OT	O	65.2	52.5
14	29.697	60.8	60.3	57.7	NW, NE S-SE	1.3.2	10	fr-cu	oum	c, oum	69.0	53.0
15	29.767	61.0	57.5	56.1	SSW	1-2	5	cu	bc	bc	69.8	53.5
16	29.739	56.0	48.0	41.8	SE	4	0	—	b	b	63.0	48.0
17	29.622	56.5	50.9	49.5	SE	3-4	10	St	O	bcp	58.1	46.1
18	29.866	56.1	47.7	46.7	SE	3	0	—	b	o/p	58.3	47.6
19	29.874	56.0	51.0	47.0	SE	3	2	cir. a fr-cu	bc	bc	59.6	45.0
20	29.860	56.0	52.5	51.4	SE	5	10	fr-st	ouq	ouq	61.7	49.1
21	29.930	56.6	53.9	57.8	SSE	2	10	St	ou	C, O	61.1	47.7
22	30.047	58.4	53.4	50.4	S	2-3	3	cir.	bc	bc	66.6	50.1
23	30.079	58.4	57.2	53.9	S	3	10	St	O	O	62.7	47.0
24	30.113	59.0	50.9	50.3	—	0	8	cir	c	bc	65.0	51.0
25	30.114	60.0	53.7	52.0	SSE	2-3	10	St	ou	C, OT	66.0	48.7
26	30.156	60.9	54.3	50.4	—	0	0	—	b	bc	66.8	57.1
27	30.088	62.0	57.1	53.1	SSW	2	0	—	bc	b	72.8	43.8
28	29.998	61.6	55.9	49.9	SSE	2	2	ci-cu	b	bz	68.6	46.8
29	29.894	63.5	55.7	56.7	E	1-2	3	cir.	bcz	bcz	72.0	46.8
30	29.841	64.4	61.3	58.0	SSW	1	0	—	bz	b	75.8	48.2
31	29.926	64.8	59.8	55.7	ESE	1	5	fr-cu	CZ	O, CZ	75.5	49.7

1948.9
13

1431.7

1919	Corrected Barometer		Humidity																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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194.9

1919

9h.
9 a.m.

Anemometer

Clouds

Weather

Rain gauge

June

Bar.

Att.
Ther.

Dry

Wet

Dir.

Force

Amount

Form

At time
of obs.Since
last obs.

g inch

Auto.

1	29.999	61.8	61.8	57.7	S	1-2	0	—	b	bw	—	—
2	30.160	59.0	57.4	51.4	NW	2	3	cu	bc	b	—	Trace
3	30.203	58.0	58.9	53.9	NW	2-3	4	A-cu	bc	bw	.04	.04
4	30.075	61.3	60.2	59.4	WSW	1	10	sts	o	op	—	—
5	29.976	61.6	58.3	57.7	WSW	1-2	10	sts	o	o	—	—
6	29.939	61.8	58.0	54.8	SW	3	10	St-cu	o	c.o	—	—
7	29.710	62.2	61.3	53.7	SSE	3	10	ci-cu	ou	o	.33	.31
8	29.713	58.2	57.4	52.5	SSW	5-6	4	ci-sts	bc	bc	.06	.06
9	29.904	56.4	53.4	48.8	SW	4	6	cu-nb	cq	bc	.03	.03
10	30.267	56.7	53.7	52.0	SSW	3	5	cu	c	b	.13	.14
11	29.953	59.8	60.5	58.0	SW	3-4	10	sts	o	o	.14	.14
12	29.510	60.1	57.8	57.9	NE	2	10	sts fog	ofe	orfe	.53	.40
13	29.940	57.0	54.4	50.9	NW	3-4	9	cu	o	o	—	—
14	30.194	56.4	54.1	49.7	SW	3-4	8	St-cu	c	c	—	—
15	29.925	56.8	53.6	51.0	SW	3-4	10	A-sts	o	o	.03	.03
16	29.716	57.8	57.1	53.1	SSW	4-5	10	St-cu	o	orlt	.20	.21
17	29.912	56.9	53.5	52.6	SW	2	5	A-cu	c	bc	—	—
18	29.986	56.2	54.4	49.6	SW	2	8	A-cu	c	bc	.11	.12
19	29.618	58.0	56.7	54.0	SW	4	8	cu	c	or	—	—
20	29.796	56.7	53.0	49.8	WSW	3	8	cu	c	bc	.10	.11
21	30.028	53.9	53.1	49.7	NW	3	8	fr-cu	c	bc	.02	.02
22	30.000	53.5	50.8	50.2	S	3-4	10	nim	OT	o	.04	.04
23	29.903	56.2	53.9	50.8	NW	3-4	8	cu-nb	cp	c	.01	.01
24	30.083	53.8	54.7	49.7	NW	3	8	St-cu	c	c	.13	.14
25	29.917	54.3	50.8	49.8	NE	2	9	St-cu	o	od	—	—
26	30.084	54.0	52.4	50.0	NW	2	9	St-cu	cd	b.c.o	.07	.07
27	29.998	56.5	57.0	53.6	SW	0-1	10	sts	o	bc.o	—	—
28	29.911	57.5	54.6	53.4	WNW	2-3	10	sts	od	o	—	—
29	29.906	56.7	54.7	51.1	NW	3-4	6	St-cu	bc	bc	—	.01
30	29.768	53.5	51.8	48.0	NNW	3	8	St-cu	c	c	.07	.06
31												

Auto failed to rise after discharge

Total 2.04
17 days 1.94
2.07

1919	Corrected Barometer			Humidity		Temp		
June	Temp	Bar.	Temp	%	V.T.	in Chan	1 ft	4 ft
1	81	251 30.159	77	42	40.0	59.2	52.9	
2	83	254 30.331	65	31	31.0	58.9	53.1	
3	80	255 30.378	71	35	33.1	58.0	53.3	
4	89	253 30.239	95	44	55.0	59.0	53.3	
5	90	252 30.138	96	46	54.5	59.3	53.6	
6	91	252 30.100	80	38	48.6	59.0	53.8	
7	90	248 29.868	69	37	55.1	59.6	53.9	
8	79	250 29.884	71	33	41.5	58.0	54.0	
9	74	254 30.084	71	24	40.3	56.7	54.0	
10	79	257 30.445	77	34	39.2	56.7	54.1	
11	85	251 30.119	85	44	52.0	57.7	54.0	
12	84	248 29.674	100	47	56.9	58.8	53.8	
13	77	254 30.117	77	32	47.5	56.8	53.9	
14	76	256 30.375	73	30	35.5	57.1	54.0	
15	76	254 30.103	82	33	48.2	57.4	53.9	
16	79	250 29.887	87	40	50.5	57.1	53.9	
17	77	253 30.088	82	36	37.0	56.6	54.0	
18	74	254 30.166	70	29	39.0	57.4	53.9	
19	78	251 29.791	83	38	49.0	57.7	54.0	
20	75	252 29.973	69	29	41.0	57.2	54.0	
21	74	253 30.209	77	31	40.5	56.9	54.1	
22	73	256 30.183	95	35	37.5	57.4	54.0	
23	75	254 30.082	80	33	45.6	56.9	54.1	
24	74	255 30.264	70	29	45.1	56.8	54.1	
25	70	252 30.103	93	34	45.5	57.0	54.1	
26	69	253 30.272	84	33	31.5	56.8	54.1	
27	75	254 30.177	91	42	48.6	57.3	54.1	
28	78	254 30.087	92	39	52.6	58.0	54.1	
29	76	254 30.084	77	33	41.3	57.9	54.4	
30	67	253 29.954	75	29	39.3	57.3	54.3	

Very fine, clear.

Very fine

Very fine.

Overcast, slight sh² 2 am

Overcast.

Overcast fine.

Thunderlike ci-cu. Overcast, threatening.

Cool, breezy, squally.

Squally, threatening.

Fine, bright, cool.

Dull, but fine warm

Foggy, gloomy, T. 74 to 73.

Fine, cool, breezy.

Fine.

Dull, cold, threatening.

Dull, threatening. L & T. 3-5 h.

Fine.

Fine: heavy clouds.

Clearing up after rain.

Fine, heavy clouds, to clear.

Fine.

Overcast, raining.

Cold, showery.

Fine cloudy.

Dull damp after rain.

Cloudy, slight drizzle at times.

Dull threatening.

Dull, slight drizzle.

Fine, but threatening

Squally, threatening, cold.

Aeroplane passed 9h. 15m
steering SW.

1919

21. h.
9. p.m.

Anemometer

Clouds

Weather

Temp.

June

	Bar.	Att. Ther.	Dry	Wet	Dir.	Force	Amount	Form	At time of obs.	Since last obs.	Max	Min
1	30.129	62.5	52.1	50.4	NW	2-3	7	str	c	b	67.6	48.7
2	30.218	58.5	46.4	44.2	NW	0-1	0	-	b	bc	61.3	42.3
3	30.157	61.5	56.7	53.9	SW	0-1	10	str	o	cp	65.2	41.6
4	30.020	62.5	58.4	57.1	WNW	3	10	str	o	o	69.0	53.4
5	29.972	62.5	58.4	57.7	-	0	9	str	o	o	63.2	57.5
6	29.878	64.0	62.7	58.2	SSW	3	5	ci	c	o.c	69.5	54.7
7	29.750	61.0	52.3	49.8	SW	3	8	ci-cu	c	op	63.1	52.0
8	29.734	58.4	49.4	46.0	SW	3-4	1	A-cu str.	b	cpq	61.1	44.0
9	30.090	57.4	47.7	46.4	SSW	3	1	ci	b	bcp	61.7	41.7
10	30.109	58.0	52.8	52.0	SSE	3-4	10	nim	or	op	64.0	42.5
11	29.761	61.2	60.4	59.3	SE	1	10	str	o	c.o	69.1	52.4
12	29.626	57.1	50.1	48.5	NW	3-4	10	str-cu fr-str	o	orlt	61.8	50.0
13	30.202	57.4	50.4	48.4	W	1-2	3	str-cu	bc	bc	62.9	48.2
14	30.007	59.0	53.6	52.9	SW	3	5	ci-cu	cb	bc	63.6	41.6
15	29.809	58.5	56.9	53.5	SSW	3	10	A-str	ou	o	61.1	49.5
16	29.825	58.0	51.5	51.3	-	0	7	str-cu str.	c	or	60.6	57.5
17	29.892	58.0	53.6	50.5	SW	2	4	str-cu	bc	c	62.8	43.5
18	29.856	57.6	54.8	51.4	S	3	10	A-str str	ou	bc, o	63.0	46.1
19	29.719	58.0	49.9	46.6	SSW	3	8	ci-str str-cu	c	c	62.8	49.2
20	29.785	56.3	46.6	46.4	SSW	2	10	str	ou	bc, op	63.5	43.8
21	30.189	56.2	49.6	45.5	SW	1	2	A-cu	b	bc	64.8	42.8
22	29.954	57.6	57.8	49.7	WSW	2-3	8	str-cu	c	or	61.7	45.1
23	30.015	56.0	49.6	47.1	NW	3	8	fr-str	c	cpq	58.8	48.0
24	29.912	53.1	49.3	48.8	-	0	10	str	ou	or	61.5	47.5
25	30.052	53.9	47.7	44.7	NE	3-4	2	str-cu	bc	bc	61.0	44.9
26	29.998	55.0	57.3	51.4	SW	2	10	str	ou	bc, or	60.8	41.7
27	29.980	58.9	56.7	56.0	SW	2	10	str	o	bc	67.8	50.8
28	29.950	57.5	49.5	46.2	NW	4	4	fr-str	bc	bc	63.0	49.2
29	29.968	55.6	47.8	44.3	NW	2	8	str	bc	bc	58.2	46.4
30	29.597	54.0	47.6	47.3	N	2	10	str	ou	or	55.1	42.5
31												

1889.6

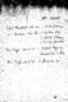
62.98

141.2

1919	Corrected Barometer	Humidity				
June	Temp	GAZE + Bar	%	V.T.	Sun- shine	
1	82	257 30.294	88	344	12.9	
2	82	260 30.396	85	267	13.8	
3	90	255 30.322	95	436	6.2	
4	91	254 30.183	92	448	0.5	
5	92	252 30.132	93	459	0.0	M-cu cloud observed at 2.14 GMT.
6	96	250 30.032	74	424	2.1	
7	87	253 29.916	83	327	1.4	
8	80	254 29.908	77	272	5.9	
9	77	254 30.272	91	299	9.6	
10	80	257 30.286	94	377	6.4	
11	88	249 29.922	94	489	1.4	
12	76	254 29.804	89	321	0.0	
13	78	254 30.383	87	315	7.5	
14	83	255 30.179	82	367	10.0	
15	80	253 29.982	79	365	0.0	
16	79	253 30.001	98	375	0.0	
17	80	254 30.066	79	328	8.1	
18	78	254 30.032	78	337	8.7	
19	79	254 29.894	78	279	7.0	
20	74	256 29.967	99	313	8.2	
21	75	258 30.372	73	260	12.6	
22	79	255 30.130	86	331	0.3	
23	74	258 30.199	83	293	4.2	
24	72	256 30.096	97	341	2.3	
25	69	259 30.242	80	261	6.4	
26	72	256 30.182	100 99	377	1.1	
27	83	254 30.154	95	438	4.6	
28	79	259 30.130	77	274	5.6	
29	74	259 30.153	76	252	7.8	
30	68	251 29.780	98	323	4.0	

Brilliant, clear, breezy, cool.
 Fine, much cooler.
 Overcast, slight showers.
 Overcast all day.
 Overcast all day: clouds breaking 2.14.
 Overcast most of the day.
 Heavy 2h³⁰ after: cloudy, cool at night.
 Squally, showers, to clear.
 Cool showers: clear at night.
 Dull, raining.
 Overcast, warm.
 Very wet after, much L. & T.
 Fine.
 Fine, cool.
 Dull, threatening.
 Fine, clearing after, very, anticyclone.
 Fine, cool.
 Overcast, threatening.
 Fine, cool.
 Overcast, threatening.
 Fine, clear.
 Nearly overcast.
 Very cold, squally, showers.
 Overcast, threatening.
 To clear, cold, breezy.
 Wet after, dull threatening, even.
 Fine.
 Fine.
 Dull, cold.
 Cold wet gloomy.

158.6
6



1919

94.
9 a.m.

Anemometer

Clouds

Weather

Rain gauge

July

	Bar.	Att. Ther.	Dry	Wet	Dir.	Force	Amount	Form	At time of obs.	Since last obs.	8 inch	Auto.
1	29.635	57.8	57.7	57.7	NNW	3	1	cu	b	b	—	—
2	29.675	57.0	57.3	57.5	NNW	2	9	st-cu	c	b.c	—	—
3	29.790	57.6	62.9	57.1	NE	1-2	5	A-st cu	c	bc	.12	.13
4	29.878	56.1	57.0	57.8	NE	2	10	st	ou2	ou2r	—	trace
5	29.880	56.3	57.7	57.2	SE	2	10	st	o	c.o	—	trace
6	29.987	58.0	57.1	57.5	SE	0-1	9	A-cu nim	OT	bc	—	trace
7	29.968	58.0	57.2	57.9	NW	1-2	10	st	o	o	—	—
8	29.967	58.8	58.2	58.5	NNE	1-2	9	st-cu	o	bc	—	trace
9	30.127	58.0	57.5	57.0	WNW	2	4	cu	bc	bcw	—	—
10	30.116	60.2	57.7	57.2	WSW	2	10	st	o	c.o	—	—
11	29.880	61.0	58.7	57.8	SW	3	10	st	ou	o	.02	.02
12	29.884	58.0	57.3	49.7	NW	3-4	7	cu	cp	bc	.01	.01
13	30.046	57.8	60.8	57.7	W	3	8	A-cu	c	bc	.03	.03
14	29.969	58.5	57.5	57.5	NW	1-2	10	nim	od	or	.01	.01
15	30.005	58.8	57.1	57.0	—	0	10	st-cu	o	bc	—	—
16	29.967	60.1	57.2	57.3	W	1-2	10	st	o	o	—	—
17	29.877	61.0	57.8	57.1	—	0	9	st-cu	c	c	—	—
18	29.609	61.0	57.9	57.2	SSW	4	8	A-cu cu	c	o.c	.27	.27
19	29.548	60.0	57.7	57.7	W	1	10	st	o	or	—	—
20	29.803	57.0	58.6	57.3	W	1	6	cu	c	c	—	—
21	29.914	58.9	58.1	57.6	WSW	2	9	A-cu st	c	cb	.04	.04
22	29.884	57.5	57.7	57.8	W	2	5	cu	bc	bc	—	trace
23	29.993	57.0	57.3	57.5	W	2	10	st-cu	o	o	—	—
24	30.060	60.2	58.5	57.4	WNW	2	9	st-cu	o	o	—	—
25	30.098	57.9	61.3	57.5	NE	2	4	st-cu	bc	c	—	trace
26	30.092	58.1	57.9	57.5	W	2	10	st	om	bc, ofw	—	trace
27	30.049	57.0	58.7	57.8	NE	2-3	6	st-cu	c	bcw, o	—	trace
28	30.063	57.2	57.7	57.0	N	2	10	st-cu	o	bcw.	—	trace
29	30.125	56.1	57.3	57.9	NNW	2	2	cu	b	bw	—	trace
30	30.104	57.0	57.9	57.9	N	1-2	3	st	bc	fw.	—	—
31	29.866	60.1	57.8	57.2	SSW	4	10	st	o	b.c.o	.12	.13

Total .62

8 days

.64

1919	Corrected Barometer		Humidity							
July	Temp	GA&IE + Bar.	%	V.T.	Temp in Grass	in Ground 1 ft	4 ft			
1	71	24.9	29.813	71	36.5	30.1	56.8	54.4		Fine bright.
2	73	25.1	29.853	76	34.9	35.1	57.9	54.4		Fine cloudy.
3	77	24.8	29.961	68	39.1	36.2	58.6	54.5		Very fine.
4	74	25.3	30.059	94	36.9	36.1	57.9	54.5		Damp, dull, after rain.
5	75	25.3	30.058	83	35.8	38.0	57.7	54.8		Overcast, fine.
6	80	25.2	30.159	83	39.0	36.0	58.0	54.8		Overcast, raining a little.
7	79	25.3	30.142	91	39.8	40.1	58.6	54.9		Overcast.
8	83	25.2	30.136	83	40.4	38.5	58.8	54.9		Cloudy, fine.
9	80	25.4	30.301	73	34.6	31.5	58.0	55.2		Very fine.
10	86	25.4	30.284	84	40.3	45.0	60.0	55.1		Overcast.
11	88	25.2	30.044	95	45.9	54.5	60.1	55.2		Overcast, threatening.
12	79	25.4	30.059	72	30.1	37.5	58.6	53.4	10h 30m. Aeroplane passed over flying very low, heading NE.	Cool, showery.
13	80	25.3	30.219	62	32.9	38.7	58.7	53.7		Bright, gusty wind.
14	81	25.4	30.142	94	41.2	51.8	58.5	53.5		Overcast, raining a little.
15	83	25.4	30.176	86	40.4	43.3	58.5	53.4		Fine, overcast.
16	85	25.2	30.184	88	41.2	55.1	59.3	53.4		Overcast, slight drizzle at times.
17	88	25.1	30.040	73	37.4	46.0	59.5	53.4		Fine, calm, cloudy.
18	87	24.9	29.771	84	43.2	51.3	59.3	53.5		Fine, warm, breezy.
19	84	25.1	29.715	87	37.2	52.4	59.1	53.5		Dull threatening.
20	82	25.2	29.973	70	34.3	42.5	59.1	53.6		Fine.
21	83	25.2	30.083	74	37.1	37.8	59.0	53.6		Fine.
22	83	25.1	30.082	67	34.3	47.1	59.6	53.7		Very fine, sunny.
23	83	25.2	30.162	82	38.8	46.8	59.7	53.8		Dull.
24	86	25.4	30.228	86	42.6	48.9	60.2	53.9		Fine, cloudy.
25	85	25.2	30.265	78	42.2	48.0	60.2	56.0		Very fine.
26	80	25.7	30.269	98	39.0	50.0	60.9	56.1		Dull, misty.
27	83	25.4	30.220	82	40.6	37.0	60.4	56.2		Very fine.
28	77	25.5	30.241	76	35.4	34.3	60.3	56.4		Fine cloudy, after sharp night.
29	74	25.4	30.305	74	37.4	33.5	59.7	56.5		Very fine.
30	77	25.5	30.282	87	39.1	32.8	59.9	56.6		Clearing after fog.
31	85	25.1	30.032	85	43.2	45.7	60.5	56.6		Overcast windy, threatening.

1919

21 h.
9 p.m.

Anemometer

Clouds

Weather

Temp.

July

Bar.

Att.
Ther.

Dry

Wet

Dir.

Force

Amount

Form

At time
of obs.Since
last obs.

Max Min

1	29.629	56.5	48.3	47.1	—	0	1	cir	b	b	66.1	42.0
2	29.743	58.0	54.2	57.2	—	0	1	cir	b	b	65.1	45.2
3	29.862	58.1	57.9	57.4	NW	1-2	8	fr-cu	0	cpt	65.1	46.7
4	29.861	57.0	50.9	50.2	NE	3	4	st-cu	bc	cp	62.3	46.3
5	29.942	58.8	54.3	52.4	SE	0-1	0	—	b	bc	62.8	45.8
6	29.996	59.2	55.0	54.0	NNE	2-3	10	st	0	●	64.2	44.1
7	29.949	60.0	56.1	55.3	—	0	8	cu st	c	0	65.0	47.6
8	30.060	60.0	52.9	57.7	W	1-2	0	—	b	bc	68.3	46.1
9	30.158	61.0	55.7	54.9	NE	0-1	2	cir cu-cu	b	bc	69.1	42.1
10	30.030	61.9	56.4	54.4	SW	2	10	st	0	bc	71.3	53.2
11	29.824	60.2	57.8	49.8	SW	0-1	4	A-cu-cu st	bc	od	61.3	51.6
12	30.048	57.5	47.9	45.4	NW	0-1	4	st-cu	c	bc	60.0	44.5
13	30.006	59.0	53.0	52.9	—	0	10	nim	or	cpd	63.2	45.2
14	30.005	58.5	54.0	52.0	W	2	10	cu-st st	ou	opd	61.3	52.2
15	30.004	61.0	60.0	58.0	SW	0-1	10	cu-st	0	vbc,0	67.3	51.5
16	29.908	61.5	57.8	56.5	SW	3	5	A-cu	bc	cv	66.8	55.0
17	29.810	60.2	57.3	55.5	SSW	3-4	10	fr-st	0	0	63.2	53.5
18	29.388	60.7	56.7	56.6	S	3-4	10	nim	or	or	66.2	54.2
19	29.687	59.0	52.9	51.0	—	0	8	st-cu	c	0	60.0	52.5
20	29.926	60.0	52.0	49.8	SW	1-2	3	A-cu nim	bc	c	67.3	46.1
21	29.889	61.0	56.1	54.3	WSW	1	10	fr-st	or	c	67.0	45.1
22	29.977	59.2	53.1	50.5	W	2	6	st-cu	c	bc	67.8	49.5
23	30.046	60.8	55.9	53.6	NNE	1-2	10	st-cu	0	bc,0	69.5	50.5
24	30.075	59.5	53.9	57.7	N	2-3	6	st-cu	c	c	65.6	53.0
25	30.122	62.0	56.9	56.7	ESE	2	1	cu	bc	c	72.6	52.0
26	30.043	60.7	57.4	56.1	W	1-2	9	st-cu	0	0	62.0	51.1
27	30.045	60.8	55.6	53.4	ESE	0-1	8	st-cu	c	bc	68.6	48.1
28	30.113	60.0	56.4	53.5	SE	2	9	st-cu	c	cl	63.9	43.0
29	30.120	60.2	54.1	52.9	NE	2-3	4	st-cu	bc	b	73.4	40.9
30	30.049	62.0	58.9	57.4	SSW	2	0	—	b	bc	72.6	42.5
31	29.875	61.0	56.0	55.1	WSW	3-4	10	st	0	cp	64.8	52.0

2043.7
65.92

149.51

1919	Corrected Barometer		Humidity									
July	Temp	G.A.T.E. + Bar.	%	V.T.	Sun- shine							
1	75	253 29.789	92	309	14.7							Fine, clear.
2	79	252 29.916	80	339	9.5							Fine, clear.
3	79	253 30.038	97	373	6.4							Thunder showers.
4	77	253 30.036	95	351	3.6							Fine, sky hazy.
5	82	254 30.114	87	368	6.3							Cloudless
6	82	254 30.168	93	403	0.1							Overcast
7	85	253 30.117	94	427	0.5							Overcast all day.
8	85	257 30.232	92	367	7.8							Cloudless evening.
9	88	255 30.325	95	422	13.4							Very fine, clear.
10	91	255 30.194	87	396	3.8							Overcast, after warm day.
11	86	253 29.991	87	333	1.1							Overcast all day: slight drizzle at times.
12	80	259 30.227	83	273	8.9							Cool, fine
13	83	256 30.179	99	400	6.2							Changeable, squally to calm rain.
14	81	255 30.179	86	360	0.0							Overcast, threatening.
15	88	253 30.169	88	453	4.3							Fine, overcast.
16	89	252 30.071	92	440	2.5							Very fine.
17	88	251 29.977	88	416	0.3							Fine, slight sh 2-2 oh
18	86	248 29.530	99	457	0.3							Very wet, from 16 h.
19	81	253 29.859	87	348	0.3							Fine, calm.
20	85	255 30.096	85	330	9.7							Fine, cool.
21	88	253 30.054	88	398	5.4							Overcast, raining.
22	83	254 30.148	82	334	10.0							Fine
23	87	255 30.214	86	383	5.8							Bright after, overcast at night.
24	84	256 30.247	86	354	2.3							Fine, cool.
25	91	253 30.286	95	439	11.4							Very fine & warm all day.
26	88	254 30.209	92	432	0.0							Overcast all day.
27	88	255 30.212	85	380	9.0							Very fine brilliant after.
28	85	255 30.283	82	372	2.7							Very fine.
29	85	257 30.292	91	384	11.2							Very fine, cool.
30	91	254 30.212	91	449	9.4							Cloudless.
31	88	253 30.040	94	422	0.7							Frequent showers.

170.6
167.6

12

167.

1919

94.
9 a.m.

Anemometer

Clouds

Weather

Rain gauges

August

Bar.

Att.
Ther.

Dry

Wet

Dir.

Force

Amount

Form

At time
of obs.Since
last obs.

8 inch Auto.

1	29.930	60.2	58.7	55.7	SW	2-3	10	st-cu	0	op.	.07	.07	
2	29.916	61.5	60.0	59.6	WSW	1-2	10	fr-st	od	op	—	—	
3	30.012	60.0	56.7	53.9	W	2-3	10	st	op	c.o	.12	.13	.19
4	29.711	60.6	59.6	59.2	SW	3	10	nim	or	or	.04	.04	.23
5	29.900	60.8	58.9	56.7	W	2	9	st-cu	c	0	—	—	
6	29.980	61.2	58.4	55.4	W	2-3	7	st-cu	cbv	0	—	—	
7	30.087	61.0	64.1	58.5	WNW	3	2	cu	bc	bc	.08	.08	.31
8	30.026	63.8	58.7	56.4	S	2	9	A-cu	c	or	.04	.04	.35
9	29.946	64.0	67.3	61.8	SSW	1	0	—	b	b	—	—	
10	30.016	65.0	63.0	60.1	W	1	9	st-cu	c	c	—	—	
11	30.155	64.3	62.1	58.4	SSW	2	3	A-cu st-cu	bc	bc	—	—	
12	30.094	65.2	67.0	62.0	SW	3	4	st-cu	bc	b	—	—	
13	29.930	66.0	65.5	62.7	SSW	2-3	10	st-cu	0	c	.20	.21	.56
14	30.010	62.8	59.3	57.0	NE	0.1.2	4	cu	bc	or	—	—	Wind curiously fitful & irregular 315° 2h. 235° 3h. 200° 5h.
15	29.944	64.8	66.8	62.5	SSW	2-3	1	cu	b	b	—	—	
16	29.773	66.7	67.5	64.4	SW	2-3	6	st-cu	cb	cb	.14	.13	.69
17	29.939	65.0	64.3	61.6	SW	4	7	st-cu	c	bc.o	.30	.30	.99
18	29.764	64.0	59.7	56.1	SSW	3-4	2	st	b	r.c.b	.08	.08	1.07
19	29.687	64.0	57.0	56.4	SW	2	10	st	0	or	—	—	
20	29.557	62.0	61.1	57.7	SW	3-4	5	st-cu	bc	c	.36	.32	1.43
21	29.883	59.2	57.4	52.8	SW	2	5	fr-cu	c	bc.p	.11	.11	1.54
22	29.788	60.6	57.9	57.9	WSW	3	9	st	0	or	.01	.01	1.55
23	29.944	61.1	58.9	57.0	SW	1-2	10	fr-st	0	op	—	—	
24	29.980	58.8	56.4	52.4	SW NE	1-2 2	4	cu	bc	bc	.65	.41	2.20
25	29.573	57.8	57.5	50.9	ESE	4	10	nim	or	or	.60	.50	2.30
26	28.996	59.0	54.8	53.8	W	2	10	st	0	or	.04	.04	2.84
27	29.357	56.0	53.3	48.2	WNW	3	7	cu	c	o.c	.06	.06	2.90
28	29.388	54.1	47.9	46.7	NE	3	10	nim	or	or	.14	.14	3.04
29	29.593	53.1	51.5	48.0	W	2	5	A-cu	c	or	.02	.02	3.06
30	29.661	54.0	52.1	48.5	SW	2	5	A-cu	c	bc	—	.01	
31	29.703	52.7	57.2	48.7	SW	1-2	8	st-cu	c	bc	.18	.19	3.24

3.24
2.89
3.24
3.2

1919	Corrected Barometer	Humidity						
August	Temp + Bar	%	V.T.	Temp in air	Temp 1 ft	Temp 4 ft	Temp Ground	
1	.086 252 30.096	81	.404	51.1	59.7	56.7		
2	.89 253 30.080	98	.505	56.5	60.0	56.7		
3	.85 254 30.181	82	.378	49.5	59.5	56.8		
4	.87 249 29.873	97	.498	49.6	59.4	56.7		
5	.88 251 30.063	86	.429	54.6	59.6	56.6		
6	.89 252 30.143	81	.400	49.0	60.5	56.7		
7	.88 251 30.250	70	.416	43.3	60.9	56.8		
8	.96 254 30.184	85	.423	43.2	61.5	56.8		
9	.96 248 30.098	71	.473	41.1	61.9	57.0		
10	.99 252 30.169	83	.477	50.9	62.2	57.0		
11	.97 252 30.310	78	.438	49.5	62.4	57.3		
12	.100 250 30.244	73	.483	49.9	63.1	57.4		
13	.101 250 30.079	84	.527	59.0	62.8	57.5		
14	.93 252 30.169	86	.432	51.4	62.4	57.9		
15	.99 249 30.094	77	.503	46.0	62.8	57.9		
16	.102 247 29.918	82	.535	54.8	63.6	57.9		
17	.99 249 30.089	82	.494	54.4	63.1	58.0		
18	.96 244 29.917	79	.402	49.0	62.6	58.2		
19	.95 257 29.843	96	.446	53.0	61.3	58.2		
20	.89 248 29.716	80	.429	48.2	61.0	58.2		
21	.82 252 30.053	72	.342	44.1	59.7	58.1		
22	.86 251 29.953	100	.480	52.0	59.7	58.1		
23	.88 252 30.108	88	.437	52.8	60.0	57.9		
24	.83 257 30.157	73	.345	42.5	59.5	57.9		
25	.78 257 29.716	95	.364	50.0	59.0	57.6		
26	.80 246 29.162	94	.402	51.0	58.7	57.6		
27	.73 249 29.533	68	.278	43.2	58.1	57.6		
28	.68 252 29.572	92	.304	35.9	57.1	57.2		
29	.65 252 29.780	77	.293	37.0	55.9	57.1		
30	.68 253 29.846	76	.298	39.5	53.7	57.0		
31	.64 253 29.892	83	.374	32.5	53.1	56.8		

Wind changed from SW to NE
while readings were being taken

Bull. slight showers during night.
Overcast, drizzling.
To cloudy, threatening, to showers.
Overcast, raining
Fine cloudy.
Very fine.
Very fine.
Fine after rain.
Brilliant, cloudless.
Fine, calm.
Fine, clear. Fog early.
Fine, warm
Overcast, rain threatening.
Fine after rainy night.
Brilliant.
Fine, cloudy.
Fine, breezy, cloudy.
Fine, after rainy night.
Overcast, after rain
Fine breezy, cool.
Bright, passing clouds.
Bull after rain.
Bull, threatening.
Fine, much cirrus streak.
Raining heavily since midn.
Bull after rain.
Cool, breezy, threatening showers.
Very wet & cold.
Fine after wet night.
Fine, solar halo. 9h.
Fine, cloudy.

1919

21h.
9pm

Anemometer

Clouds

Weather

Temp.

August

	Bar.	Att. Ther.	Dry	Wet	Dir.	Force	Amount	Form	At time of obs.	Since last obs.	Max	Min
1	29.972	61.9	59.6	57.9	WSW	2-3	10	fr-st	0	0d	68.2	53.2
2	29.975	61.0	53.9	51.5	SW	2	8	st-cu	c	cb	68.0	53.5
3	29.988	61.0	54.0	52.0	SW	2	9	A-cu st	c	c	63.4	52.0
4	29.771	61.0	57.7	56.7	W	1-2	10	st-cu	0	op	61.3	52.0
5	29.971	63.1	57.6	56.6	WSW	1	2	st	b	bc	72.2	55.0
6	30.056	62.5	54.0	53.0	W	2-3	1	st-cu	bv	bc	71.3	51.3
7	30.082	64.0	61.6	55.1	SW	1	8	A-cu st-cu	c	bc	75.0	49.9
8	29.988	64.6	60.2	59.8	N	0-1	6	A-cu	cb	op	75.2	52.0
9	29.930	67.0	64.9	59.0	SSW	2	8	st	c	b	78.4	48.4
10	30.112	66.1	58.9	57.4	SW	1	5	A-cu st	bc	bc	72.1	55.4
11	30.134	66.3	61.4	60.3	—	0	0	—	b	b	75.7	51.1
12	30.028	66.0	61.8	59.9	SSW	2	6	A-cu	c	bcp	73.1	55.0
13	29.983	64.9	58.6	56.6	—	0	10	fr-st	0	cp	73.2	58.2
14	30.021	62.0	53.7	52.3	—	0	0	—	b	bc	70.0	51.0
15	29.800	66.2	61.9	60.8	SE	2	1	cu	b	bc	76.3	51.8
16	29.904	66.8	60.4	60.4	SW	2-3	8	cu-nb	cp	bc	75.0	59.6
17	29.640	67.1	65.5	62.2	SSW	4-5	10	fr-st	op	bcq	74.3	56.0
18	29.767	64.8	56.9	54.6	SSW	2-3	3	cu	b	cp	68.9	51.2
19	29.720	64.0	57.7	56.0	SW	1	10	cu	0	cp, o	66.5	53.0
20	29.724	60.0	50.9	49.2	SW	2	2	cu	2	bcpqh	63.6	50.8
21	29.894	61.3	55.9	52.8	SSW	3	10	fr-cu	0	bcp	65.2	46.1
22	29.939	61.8	54.9	52.7	SW	2	10	st-cu st	0	cpq	66.2	53.0
23	29.978	60.8	52.3	50.9	—	0	7	A-cu st	c	op	63.8	52.1
24	29.887	60.9	54.8	51.0	SSE	1-2	10	nim	07	bc	62.5	46.0
25	29.071	60.0	53.9	53.5	SW	4	10	nim	07	07	64.0	50.2
26	29.101	57.8	49.8	48.0	NW	3-4	10	st	ou	op	59.9	49.3
27	29.483	53.0	44.9	43.0	—	0	0	—	b	bc	61.1	44.9
28	29.437	54.0	48.0	46.4	NW	1	10	nim	07	op	51.0	42.5
29	29.681	53.5	45.6	43.4	SW	1	1	cu	b	bcpqh	58.4	41.0
30	29.682	54.1	45.9	44.6	W	1	0	—	b	cbp	59.5	41.5
31	29.768	53.0	52.9	48.0	S	2-3	10	st-cu	0	c, o	60.0	38.6

Squall 14 1/2 h. Lasted 4 min. gave 1.2 in r.

2093.9
67.54

1565.6

1919	Corrected Barometer	Humidity				
August	Temp	G.A. & E. + Bar.	%	V.T.	Sun- shine	
1	.091	.252 30.133	89	.456	0.9	
2	88	.253 30.142	85	.349	4.3	
3	88	.252 30.154	86	.360	1.7	
4	87	.250 29.934	94	.447	0.0	
5	93	.252 30.130	93	.445	7.7	
6	92	.256 30.220	93	.388	7.6	
7	96	.252 30.238	65	.352	10.0	
8	98	.261 30.141	98	.508	4.6	
9	.104	.251 30.077	68	.419	11.0	
10	.101	.255 30.266	91	.449	8.0	
11	.102	.252 30.284	94	.507	12.4	
12	.101	.252 30.179	88	.489	3.9	
13	99	.253 30.137	88	.431	2.8	
14	91	.256 30.186	90	.373	10.2	
15	.100	.249 29.949	94	.576	11.0	
16	.103	.251 30.052	100	.526	10.3	
17	.103	.247 29.784	81	.510	5.5	
18	98	.251 29.920	86	.395	7.0	
19	95	.250 29.875	89	.425	3.2	
20	85	.254 29.893	88	.329	7.6	Very violent squall 14 1/4 h. Wind 7 a h.
21	88	.253 30.054	81	.362	9.9	
22	90	.254 30.103	86	.370	4.9	
23	88	.253 30.145	90	.354	0.2	Threatening all day. M. cu seen 17 h.
24	88	.254 30.053	76	.327	6.0	
25	82	.246 29.235	98	.435	0.7	
26	77	.249 29.273	87	.312	1.6	
27	70	.254 29.667	86	.254	8.5	
28	68	.253 29.622	89	.295	0.0	
29	66	.256 29.871	84	.257	9.2	
30	68	.256 29.870	92	.280	3.6	
31	71	.253 29.950	69	.278	2.1	

176.4

12

Overcast, after drizzling afternoon.
 Fine, cloudy.
 To cloudy, fine.
 Overcast, fine.
 Brilliant aftern. Fine night.
 Fine, clear.
 Very fine, warm.
 Showery aftern, fine night.
 Fine, cloudy, calm
 Fine, calm
 Brilliant aftern, clear at.
 Warm, slight showers.
 Overcast, dropping rain.
 Fine, clear.
 Brilliant aftern.
 Very heavy sh² 21 h. after hot day.
 Windy, raining.
 Fine, clear.
 Dark, cloudy, threatening.
 Showery aftern, clear night.
 Fine aftern. Heavy cumuli a slight shower.
 Squally, slight sh² to calm clouds.
 Showers aftern, fine night.
 Overcast, raining a little.
 Very wet all day.
 Heavy sh² aftern, Dark, gloomy at.
 Cool, sharp night.
 Very wet dark & cold.
 To clear cold.
 Clear night, sharp.
 Overcast, warm

1919

9h.

9 a.m.

Anemometer

Clouds

Weather

Rain gauges

Bar.

Att.
Ther.

Dry

Wet

Dir.

Force

Amount

Form

At time
of obs.Since
last obs.

8 inch Auto

September

1	29.510	56.2	51.9	51.4	SSW	3	10	2lt	0	07	.02	.02	
2	29.363	58.2	60.1	56.5	S	3-4	3	cu	bc	0	.02	.02	.04
3	29.530	58.0	55.9	53.5	SSW	3	6	ci ^{sc} -cu	bc	b. bc	.10	.11	.14
4	29.324	59.0	58.1	56.9	SSE	4-5	8	ci ^{sc} -cu str	c	or. q.	.01	.02	.15
5	29.486	62.0	63.4	59.0	SSW	4	6	fr. cu	bc	bc	.17	.17	.32
6	29.800	61.2	58.9	56.0	SW	2	7	st cu	c	c	.02	.03	.32
7	30.066	60.5	58.7	53.1	W	2	6	st cum	bc	b. p.	.02	.02	.36
8	30.036	59.2	57.2	54.8	SW	2	9	st cu	0	b. or	-	-	
9	30.110	62.0	61.9	58.7	SW	2	4	cum	bc	bc	-	-	
10	30.058	62.0	58.9	56.0	SSW	2	3	st cu	bc	bc. 0	-	-	
11	29.868	63.0	60.4	59.0	SSW	1	10	str	Of	b. 0	1-15	(?)	1.51
12	30.066	58.8	46.8	45.8	E	1	10	NIM	OT	OT	.24	(?)	1.75
13	30.086	56.0	51.9	49.4	NNE	2	10	st cu	0	0	-	-	
14	30.112	56.4	55.5	52.0	NNE	2	6	ci ^{sc} -cu	bc	o, bc	-	.01	fog
15	30.240	53.0	46.9	46.8	WSW	0-1	10	fog.	of	b. f ²	-	-	
16	30.234	52.5	49.5	48.0	SSW	0-1	9	st cu	of	b. f	-	.01	fog
17	30.236	56.5	54.9	53.9	SSW	1	8	A cu str	c. f	b. f	.01	.01	1.76
18	29.728	59.0	57.8	57.2	W	2	10	str	0	od	.01	.01	1.77
19	29.799	54.5	49.8	45.5	NNW	2-3	7	cu	cp	cp.	.27	(?)	2.574
20	29.600	51.8	46.4	43.7	NW	3	7	ci ^{sc} -cu str	cp	OTS	.02	.02	2.99
21	29.603	50.6	48.7	45.6	W	1	1	ci ^{sc} -cu	b	bc	.15	.16	2.21
22	29.091	52.3	52.6	51.8	SW	3	10	NIM	od	or	.01	.01	2.22
23	29.408	50.7	51.1	46.8	NW	2-3	6	ci ^{sc} -cu str	cbp	b	.01	.01	2.23
24	29.391	51.2	52.7	51.4	SW	4	10	str	or	0	.03	.03	2.26
25	29.588	54.8	58.1	56.6	SW	4	9	2lt	0	om	.25	.25	2.51
26	29.480	54.9	48.1	46.9	WNW	2-3	10	nim	or	or, cp	.08	.08	2.59
27	29.874	51.1	48.3	45.0	SW	2	1	A. cu	b	b	.03	.03	2.61
28	30.024	48.1	46.3	43.7	SSW	0-1	9	-	b	b	.04	.04	2.65
29	29.793	50.8	49.9	47.4	SW	5	10	st-cu	0	b. c. 0	.37	.40	(.35) 3.02
30	29.703	52.2	51.8	49.3	SSW	3-4	10	A-2lt	0	or	.13	.13	3.15
31													

Total
3.151.59
1.66
3.25
3.20

3.02 Auto. tipped prematurely

1919	Corrected Barometer			Humidity		In Ground			
Sept-	Temp	GA	IE	Bar	%	V.T.	Temp in grain	1 ft -	4 ft -
1	.074	.251	29.687	97	.373	51.0	56.1	56.3	Overcast, damp, warm.
2	78	.246	29.531	79	.408	45.9	57.1	56.3	Bright sunny warm
3	78	.250	29.702	85	.380	48.1	57.3	56.1	Bright Windy, after fine night
4	81	.248	29.491	91	.447	43.5	57.3	56.1	Clearing, Very Wet & stormy early morn.
5	89	.247	29.642	75	.438	55.7	58.3	56.2	Sunny, Windy after fine night
6	88	.250	29.962	82	.408	53.1	58.5	56.1	Dull & threatening
7	86	.255	30.235	68	.337	52.9	58.7	56.2	Fine, passing showers. Early morn.
8	83	.254	30.207	85	.397	41.3	58.3	56.3	Overcast - Rain early morn - fine later
9	91	.253	30.272	81	.450	53.8	59.0	56.4	Fine bright morning
10	91	.254	30.221	82	.408	52.6	59.0	56.5	Overcast early, fine, sunny, later
11	93	.252	30.007	92	.479	56.9	59.8	56.6	Overcast, Low fog.
12	82	.261	30.245	93	.296	46.8	57.7	56.6	Overcast raining after very wet night
13	74	.258	30.270	84	.321	46.8	56.1	56.6	Overcast, cold & damp.
14	75	.256	30.293	78	.344	39.4	56.1	56.6	Bright, sunny after dull night
15	66	.262	30.436	100	.319	29.2	55.0	56.2	Dense fog early, clearing a little
16	65	.260	30.429	89	.315	29.9	55.4	56.2	Fine but overcast, bright later.
17	75	.258	30.419	94	.403	45.5	55.8	56.0	Fine, but cloudy fog early morn.
18	82	.251	29.897	95	.460	56.0	57.4	55.9	Overcast - Dull & damp - drizzle
19	70	.253	29.984	72	.258	40.1	56.0	55.8	Squally, changeable.
20	62	.256	29.894	82	.255	31.0	54.0	53.8	Cold, squally.
21	59	.255	29.799	79	.270	32.0	53.1	55.8	Fine bright morning, frosty.
22	62	.249	29.278	95	.375	43.5	53.5	55.3	Overcast drizzling rain.
23	59	.251	29.600	73	.271	29.2	52.7	55.3	Fine to shower.
24	60	.257	29.582	91	.362	34.4	52.1	54.9	Cold, blustering.
25	70	.252	29.768	90	.438	53.1	53.8	54.7	Warm, misty, windy.
26	71	.257	29.663	91	.306	47.5	54.7	54.4	Very wet, frequent rain squalls.
27	61	.257	30.070	77	.261	34.2	52.8	54.5	Fine, bright, cool
28	53	.260	30.231	82	.256	27.7	51.4	54.4	Cloudless, frosty.
29	61	.255	29.987	84	.297	40.5	51.7	54.1	Overcast, windy.
30	63	.253	29.893	83	.321	49.0	51.9	53.9	Overcast.

2h. 45m wind shifted SSW to WNW
dropped from force 6 to 2 with
nearby.

1919 214
9 pm

Anemometer

Clouds

Weather

Temp

September

	Bar.	Att. Ther.	Dry	Wet	Dir.	Force	Amount	Form	At time of obs.	Since last obs.	Max	Min
1	29.410	58.5	57.6	56.4	SSW	3-4	10	alt	0	0	65.3	57.4
2	29.414	59.0	54.8	52.2	SSW	2	0	—	6	bcp	67.0	51.8
3	29.531	58.2	51.4	50.7	SE	3-4	1	Fr cu	6	bc	66.7	51.0
4	29.453	60.2	59.8	56.3	S	3	0	—	6	c, bc, p	71.0	49.0
5	29.611	62.0	57.3	56.3	SSW	3	5	ac cu st cu	6c	bc, q, or	70.2	57.0
6	29.882	60.4	56.9	54.0	SSW	3-4	9	st cu str	0	c, o, p	62.0	54.0
7	30.142	59.8	51.1	48.7	—	0	3	ac cu st cu	6c	b, bc	65.8	50.9
8	30.045	62.0	59.8	57.7	SSW	3	4	cu cu cir St.	6c	e, bc	68.7	48.0
9	30.108	63.1	60.1	58.2	SSW	1	3	st cu	6c	b, bc	71.0	55.3
10	29.892	65.5	63.9	60.6	SSW	3-4	0	—	6	6	73.4	54.1
11	30.032	60.0	50.7	50.6	—	0	10	nim	or	or	64.0	50.4
12	30.068	56.0	48.8	47.0	NNE	2	10	st cu str	0	or, 0	51.4	46.3
13	30.082	56.4	51.1	49.3	NNE	1	10	st cu str	0	o, c, o	55.9	47.0
14	30.168	55.8	44.1	43.2	—	0	0	—	6	bc, c, b	58.3	43.9
15	30.238	55.1	46.8	42.6	—	0	0	—	6	bc	63.2	36.0
16	30.220	57.0	55.0	53.6	SSW	1-2	0	—	6	b, bc	66.4	37.2
17	30.067	59.6	60.5	57.8	S	2-3	9	ac cu str	0	bc, o	66.2	49.5
18	29.680	56.0	49.9	48.1	NW	4	5	st cu str	bc, q	bc, c, dq	61.9	49.9
19	29.677	52.0	37.3	36.8	W	3	10	NIM	or	bc, cp	51.7	36.7
20	29.614	51.2	41.8	40.2	NNW	2	3	st cu	6c	bc, cp	54.2	35.0
21	29.446	52.3	45.1	43.7	SW	2	10	NIM	or	b, bc, or	56.6	37.9
22	29.169	52.2	43.5	42.7	—	0	1	cu-nb	6	o, c, b	55.0	43.2
23	29.564	50.9	40.4	38.9	S	1-2	2	cu	6	cb	55.0	38.0
24	29.478	53.8	56.5	55.7	SW	3-4	10	alt	0	ogdp	58.5	39.5
25	29.497	56.8	58.3	57.1	SW	4-5	10	alt	od	odpq	61.6	54.5
26	29.725	53.0	42.0	41.0	WNW	2-3	0	—	6	bc, p, q	59.0	41.5
27	29.976	50.9	39.6	38.7	—	0	0	—	6	cb, p	57.3	38.0
28	29.969	51.2	44.0	43.4	SSW	2	0	—	6	cb, p	55.7	33.7
29	29.773	52.2	51.8	51.0	SW	3-4	10	nim	or	od	62.8	42.8
30	29.417	52.5	51.7	48.6	S	4	10	st	0	0	55.3	50.3
31												

1838.1
61.27

1373.8

1919 Corrected Barometer Humidity

Sept Temp ^{GA} ^{IE} Bar % VT Sun-
- + shine

1	.079	.248	29.579	92	.438	0.0
2	.81	.250	29.583	83	.357	9.8
3	.78	.252	29.705	95	.361	7.7
4	.84	.248	29.617	79	.406	5.2
5	.89	.250	29.772	93	.439	7.6
6	.86	.254	30.050	82	.378	2.7
7	.85	.258	30.315	83	.315	10.8
8	.91	.253	30.207	87	.448	2.8
9	.93	.252	30.267	88	.458	9.0
10	.100	.250	30.042	81	.481	9.2
11	.85	.258	30.205	99	.368	0.0
12	.74	.260	30.254	87	.300	0.0
13	.75	.258	30.265	87	.330	0.3
14	.74	.262	30.356	93	.269	4.2
15	.72	.262	30.428	72	.227	6.7
16	.77	.258	30.401	91	.392	6.2
17	.84	.254	30.237	84	.440	3.7
18	.73	.254	29.861	88	.313	3.3
19	.62	.254	29.874	96	.213	8.7
20	.60	.257	29.811	88	.231	5.8
21	.63	.254	29.637	89	.267	6.6
22	.62	.253	29.360	94	.264	0.1
23	.60	.256	29.760	88	.220	5.6
24	.67	.249	29.660	95	.433	0.0
25	.75	.250	29.672	92	.449	0.0
26	.65	.257	29.917	92	.245	6.3
27	.61	.261	30.176	93	.225	5.7
28	.61	.257	30.165	95	.274	6.9
29	.64	.254	29.963	94	.364	0.0
30	.62	.251	29.606	80	.305	0.0

Overcast, damp, warm, all day
 Fine day, ^{breezy} shower, late after. Very fine night
 Fine bright day - clear evg. Strong breeze ^{cooler}
 Fine after^{noon} passing str^{orm} Fine clear breezy night
 Fine after. very showery & squally evng.
 Fine evg. to Overcast Strong wind slight drizzle
 Very fine day - Fine evg. calm. -
 Fine afternoon, sometimes cloudy Fine night - ^(strong breeze)
 Very fine bright warm day Fine evening ^{calm}
 Very fine " " " - clear evg. ^{Strong wind}
 Very wet afternoon & evg. drizzle then ^{heavier}
 Very wet all morning & earlier afternoon ^{evening Overcast, colder}
 Overcast, cold, - calm
 Fine day.. very fine clear night, calm cold
 " " Fine evening calm ^{front}
 Fine day sunny - Fine evening light ^{breeze}
 Fine day bc to O - Dull night warm
 Squally day, occasional drizzly str^{orm} - Evg - ditto -
 Fine day, Squally, passing str^{orm}, Heavy rain 21h
 - aurora - Squally day, passing str^{orm} - Evg calmer but cold
 Fine day - Evg. cloudy to O - wet gloomy night
 Fine, after overcast day.
 Fine, cold. to clear sky. ⁱⁿ
 Damp, warm, drizzling sh^{ower} all after.
 Warm, windy, drizzling.
 Squally, heavy showers, to clear.
 Clear, cold, after showers
 do do do.
 Very wet night.
 Overcast all day, threatening.

1919

9h.
9am.

Anemometer

Clouds

Weather

Rainingauge

October

	Bar.	Att. Ther.	Dry	Wet	Dir.	Force	Amount	Form	At time of obs.	Since last obs.	8 inch Auto.	
1	29.115	52.5	52.3	51.4	SSW	3	10	nim	OT	OT	.19	.19
2	29.648	50.8	50.0	47.4	W	2	7	st-cu	cb	cb	—	—
3	30.046	52.0	52.3	51.0	S	3	10	st	0	b.c.0	—	—
4	30.090	53.0	57.0	53.1	SSW	3	10	st-cu st	0	0	trace	trace
5	30.178	56.8	60.0	58.9	SSW	2	10	st	0	0	.01	.01 .20
6	30.176	57.8	58.0	57.7	SW	2	10	st	od	0	.02	.02 .22
7	30.367	53.8	53.8	52.2	SE	2	10	st	0	od	—	—
8	30.326	56.0	56.8	54.0	NW	1	3	st-cu	bc	bc	—	trace
9	30.410	57.9	45.4	43.1	NW	2	2	st-cu	bc	cb	.02	.02 .24
10	30.166	57.0	46.0	45.0	SW	0-1	10	nim	OT	0	.03	.04 .27
11	29.857	52.0	48.9	48.5	—	0	10	st.	om	OT	.39	.40 .46
12	29.566	57.0	45.7	44.4	NNW	3-4	10	st	ou	OT	.04	.04 .50
13	29.415	47.2	44.7	42.0	NW	2-3	1	A-cu st-cu	b	b	.04	.04 .54
14	29.611	46.3	42.1	39.7	W	3	2	cu-nb st	b	bc	.02	.02 .56
15	29.843	45.6	48.9	41.9	WNW	2-3	8	st-cu	c	bc	.02	.02 .58
16	30.208	45.4	46.5	42.4	WNW	1	0	—	b	bc	—	—
17	30.256	47.5	48.8	48.1	SW	2	10	st	0	0	trace	trace
18	30.233	49.1	50.9	46.9	SSW	3	8	st-cu	cb	c	—	—
19	30.223	50.0	57.6	49.6	S	3-4	9	A-st st-cu	0	0	.01	.01 .59
20	30.073	52.0	51.7	49.0	SSW	5-	10	st	OT	0	.04	.03 .63
21	30.134	53.5	53.8	52.6	SSW	2	6	A-cu	cb	cb	—	—
22	29.944	53.5	53.3	51.1	SSW	3	10	st-cu	0	c.0	.40	.40 1.03
23	29.790	54.9	54.8	54.7	SW	2	10	nim	OTf	OTf	.22	.22 1.25
24	29.969	48.0	43.1	40.7	N	3	3	cir	bc	T. bc	—	trace
25	30.190	46.0	42.0	39.0	N	1	0	—	b	b	—	trace
26	30.230	47.0	44.5	42.0	SW	1	1	st-cu	bw	b	trace	trace
27	30.117	45.5	42.7	39.6	NNW	4	0	—	bw.	b	—	trace
28	29.973	44.1	40.0	38.1	NW	2-3	3	st-cu	bc	bc	—	trace
29	29.990	41.6	35.9	32.8	NNE	2	1	cir	b x 2	b	—	—
30	29.994	43.5	44.8	42.4	NE	3-4	4	A-cu st-cu	c	c	.04	.04 1.29
31	30.296	43.0	38.0	37.4	SW	1	5-	A-cu	c	O.C.T.	—	—

029
144

1.50

1919	Corrected Barometer		Humidity		In Ground			
October	Temp	C.A. & I.E. + Bar.	%	VI.	Temp glass	1 ft.	4 ft.	
1	062	249 29.302	94	368	47.5	52.1	53.8	Very wet.
2	60	254 29.842	82	295	35.5	57.6	53.7	Fine bright
3	64	257 30.239	91	357	38.3	57.8	53.5	Dull
4	72	255 30.273	88	408	53.0	52.9	53.3	Fine mild, overcast
5	76	253 30.353	93	482	49.9	54.1	53.2	Fine warm, overcast
6	79	254 30.351	98	473	56.8	55.2	53.3	Dull, drizzling.
7	74	259 30.552	88	369	46.0	54.9	53.5	Cloudy, fine, cooler.
8	75	257 30.508	82	380	52.5	54.8	53.8	Very fine.
9	65	264 30.609	84	251	31.7	53.9	53.8	Very fine, cold, heavy dew.
10	61	260 30.365	93	287	36.8	52.9	53.8	Raining, cold.
11	64	256 30.049	98	337	36.5	52.5	53.7	Dull, damp.
12	60	255 29.761	91	278	40.9	52.1	53.7	Cold, damp, after rain.
13	44	254 29.620	80	236	30.1	50.5	53.6	Fine, clear, cold.
14	64	256 29.820	82	219	31.0	49.5	53.3	Cold, clear.
15	46	258 30.055	85	244	24.6	48.3	53.0	Cloudy.
16	45	262 30.425	73	227	25.2	47.9	52.8	Clear, fine, cold
17	51	261 30.466	90	327	40.0	48.1	52.2	Dull.
18	55	260 30.438	74	275	43.2	49.4	52.0	Fine.
19	58	258 30.423	86	330	41.0	49.5	51.9	Cloudy, solar halo, 9h.
20	64	257 30.266	82	314	49.0	50.3	51.8	Overcast, raining, windy.
21	67	257 30.324	91	380	50.5	51.0	51.7	Very fine, mild.
22	67	253 30.132	85	346	46.4	51.3	51.8	Fine, cloudy
23	71	253 29.972	99	428	52.8	52.1	51.9	Very wet, thick foggy.
24	53	254 30.175	81	227	39.8	51.3	52.0	Fine, cold, after rain.
25	47	262 30.405	78	207	22.6	44.0	52.0	Cloudless, frosty.
26	50	262 30.442	81	238	26.8	48.0	52.0	Fine, clear.
27	46	262 30.333	77	211	29.8	46.9	51.8	Fine, clear, strong breeze.
28	42	261 30.192	85	209	23.0	46.0	51.4	Very fine.
29	35	263 30.218	73	155	19.3	44.7	51.1	Buileant, frosty, low sun, fog.
30	40	259 30.213	82	243	26.5	44.0	50.6	Fine, cold.
31	39	266 30.523	95	216	22.5	44.5	50.1	Fine, frosty.

1919

21h
9pm

Anemometer

Clouds

Weather

Temp.

October

	Bar.	Att. Ther.	Dry	Wet	Dir.	Force	Amount	Form	At time of obs.	Since last obs.	Max	Min
1	29.297	49.8	44.4	43.0	SW	2-3	0	—	b	cbprh	57.2	44.1
2	29.938	52.0	45.0	43.9	SW	2	0	—	b	cbp	60.1	41.5
3	30.050	53.0	56.1	54.4	SSW	3	10	A-Sls	0	c	60.9	41.5
4	30.154	56.4	60.1	58.7	SSW	2	10	sls	0	0	62.1	53.8
5	30.171	57.5	59.6	59.1	SW	2	10	sls	0	o, bc, o	63.3	56.0
6	30.318	55.2	48.7	46.6	—	0	10	st-cu	0	c, o	60.4	48.4
7	30.343	56.1	52.8	51.5	—	0	8	st-cu	c, m	0	57.9	48.6
8	30.327	55.2	45.4	44.1	NW	1-2	0	—	b	cb	59.6	45.2
9	30.331	52.0	43.3	41.2	—	0	9	st-cu	c	c	57.0	40.1
10	29.953	52.5	48.4	47.6	WNW	1-2	7	st-cu	cb	0	57.8	41.8
11	29.742	51.7	43.9	43.1	—	0	10	st-cu	0	odr, c	53.2	43.9
12	29.148	48.0	36.0	35.2	W	2	2	cu-nt.	bc, p	c	49.7	36.0
13	29.558	48.5	40.8	39.5	W	1-2	4	cu-nt.	bc	bc, pt	49.8	35.8
14	29.780	46.2	34.6	33.9	SW	1	0	—	b	bc, pt	49.9	34.1
15	30.018	46.2	39.0	37.1	WNW	3	2	cu-nt. sls	bc	bc, p	50.3	32.4
16	30.256	47.0	41.9	40.4	SSW	2-3	10	sls	0	c, b, o	52.8	34.1
17	30.245	49.0	47.6	46.5	SSW	2	5	st-cu	0	cb	55.0	41.6
18	30.247	50.1	47.8	45.2	SSW	3-4	8	st-cu	c	c	56.3	47.0
19	30.165	52.5	52.5	49.2	S	4	7	A-cu, r	c	bc	60.6	44.4
20	30.115	54.0	53.4	52.0	SSW	4	7	st-cu	cb	c	58.8	51.0
21	30.031	54.2	52.5	51.4	SSW	4-5	6	A-cu	cb	bc	62.7	50.9
22	29.853	56.0	53.4	54.7	S	4	10	sls.	0	0	59.4	49.5
23	29.861	51.2	46.4	45.7	N	3	10	nim	odm	0	55.9	46.1
24	30.055	48.0	38.6	37.3	N	1-2	3	st-cu	bc	bc	49.2	36.5
25	30.228	48.0	41.4	40.7	—	0	2	st-cu	b	bc	50.9	33.0
26	30.179	46.2	37.9	36.8	NW	3	0	—	b	bc	49.4	35.5
27	30.085	45.1	37.9	36.1	NW	2	9	cu-nt.	cp	bc	47.5	36.5
28	29.959	43.8	33.3	32.2	NW	1	6	st-cu	c	b	46.0	33.0
29	29.965	42.7	37.4	36.6	NNE	3	8	st-cu	c	bc	46.0	27.0
30	30.157	45.4	45.8	43.3	ENE	3-4	10	sls	0	c, OT	49.4	35.0
31	30.327	45.0	39.9	38.7	NE	1-2	10	st-cu	0	c	47.1	31.6

1687.2
54.42

1275.9

1919 Corrected Humidity
Barometer

October	Temp	GADIE +	Bar	%	V.T.	Sun- shine	
1	056	253	29.494	89	260	1.9	
2	64	258	30.132	91	273	8.2	Heavy sh ^{rs} . Mail 14 ¹ / ₂ h. Bright sun ²¹ h.
3	72	253	30.233	88	401	0.5	Fine, clear.
4	75	253	30.332	91	474	0.0	Fine, mild.
5	79	253	30.345	97	495	0.0	Fine, very warm.
6	73	261	30.506	85	293	0.0	Fine, warm, cloudy.
7	75	259	30.527	91	364	0.1	Cloudy, fine.
8	72	263	30.518	91	271	2.9	Cloudy, very fine, slight mist.
9	64	263	30.530	84	235	4.2	Brilliant night.
10	65	257	30.147	94	321	0.0	Very fine.
11	62	257	29.937	94	268	2.0	Fine, cloudy.
12	52	258	29.686	93	197	2.1	Wet forenoon, fine later.
13	54	256	29.760	90	228	5.8	Sharp, frosty, some showers.
14	47	263	29.996	94	187	7.3	Showery all day, T heard 13h.
15	48	263	30.233	85	201	5.3	Heavy sh ^{rs} , hat, aftern. T clear ut.
16	50	263	30.469	89	235	6.7	Aeroplane passed over 11h 50m. going WSW. Frequent sh ^{rs} aftern. T clear ut.
17	58	261	30.457	93	303	0.0	Overcast, fine.
18	58	261	30.450	81	270	1.2	Fine mild; overcast all day.
19	65	258	30.358	78	309	4.4	Cloudy.
20	69	256	30.302	90	368	1.1	Cloudy, mild, breezy.
21	70	257	30.218	92	365	4.7	Fine aftern, mild. Clearing ut.
22	74	253	30.032	96	419	0.0	Blowing strongly, colder.
23	61	258	30.058	95	299	0.0	Overcast all day, warm.
24	53	263	30.265	90	209	6.6	Thick, dark, drizzling.
25	53	262	30.437	95	246	7.0	Fine, clear.
26	48	264	30.395	91	207	7.7	Fine, clear.
27	45	263	30.303	85	193	5.9	Fine, clear; cold breeze.
28	41	264	30.182	88	168	8.9	Cloudy, showers.
29	38	262	30.189	93	208	4.3	Fine, frosty.
30	46	260	30.371	82	253	1.7	Fine, cloudy.
31	45	265	30.527	91	222	3.0	Rain, aftern. Overcast night.

1919

9h.
9a.m.

Anemometer

Clouds

Weather

Rain gauge

November

Bar.

Att.
Ther.

Dry

Wet

Dir.

Force

Amount

Form

At time
of obs.Since
last obs.

Rain gauge

	Bar.	Att. Ther.	Dry	Wet	Dir.	Force	Amount	Form	At time of obs.	Since last obs.	Rain gauge	
1	30.337	43.5	42.3	39.8	NE	2	1	A-cu st-cu	b	bc	—	trace
2	30.248	40.2	32.8	31.3	SSW	1-2	10	st-cu	ox2	bc	.01	.01
3	29.949	41.8	39.0	37.9	NE	2	10	st-cu	0	0	—	wound to lock of Auto. out of order.
4	29.663	42.5	41.3	40.1	N	2	10	st-cu st	0	c10	—	do
5	29.527	42.0	37.8	37.4	E	2	2	st-cu	b2	cf	.01	.01
6	29.400	41.8	38.3	38.0	NNE	1-2	10	st-cu	om	om	—	to lock re-started. 9h.30m.
7	29.400	41.6	36.9	36.4	SE	1	10	st-cu st-st	ou	of	.01	.01 .03
8	29.372	38.5	30.8	30.0	SSW	2-3	3	A-cu	bcx	bc	.01	.01 .04
9	29.377	39.3	36.7	35.1	SE	1-2	6	st-cu cu-nb	c	b	.03	.03 .07
10	29.739	39.0	37.9	34.7	NE	3-4	5	st-cu	c	c	.01	.01 .08
11	29.882	36.8	31.7	30.4	SW	2	8	st	c	cphs	.02	.02 .10
12	29.560	36.7	33.5	32.7	WNW	2	4	st-cu st	bc	cps	—	—
13	29.746	35.0	29.3	28.4	—	0	0	—	b2	b	—	—
14	29.760	31.5	20.9	20.5	SW	1-2	0	—	bfx	bfx	—	—
15	29.825	30.0	20.6	20.0	SSW	1	0	—	bfx	bfx	.10	.10 .20
16	29.950	33.0	33.1	33.0	SW	3-4	10	nim	os	os	.19	.20 .39
17	29.822	38.4	47.8	47.0	SW	4	10	st	ou	our	.19	.20 .58
18	29.733	40.1	39.6	37.9	SW	2-3	0	—	b	c.b	.08	.08 .66
19	29.336	43.8	46.4	44.8	SW	3-4	4	st-cu st	bcp	cp	.35	.34 .01
20	29.285	40.1	35.6	34.8	W	2-3	7	cu-nb	pqs	pqh	.09	.09 .10
21	29.629	39.8	38.8	37.3	W	2-3	8	st-cu st	0	cprs	.02	.02 .12
22	29.587	42.8	50.8	48.9	W	3	9	A-cu st	0	or	.03	.03 .15
23	29.449	47.0	54.3	53.4	SW	4	10	st	oe	oe	.39	.42 .54
24	29.360	45.0	41.5	39.5	SW	4-5	3	st-cu	bc	b	.06	.06 .60
25	29.000	42.2	38.6	37.9	W	2	8	st-cu st	cp	or	.11	.12 .71
26	29.302	39.3	35.1	34.5	NNE	3	8	st-cu	c	os	.05	.05 .76
27	29.420	39.2	35.0	33.9	N	2-3	0	—	b	bcp	—	—
28	29.316	35.4	25.0	24.7	—	0	1	st	b2x	b2x	.02	.02 .78
29	29.426	35.6	30.8	30.1	SSW	1	10	nim	ougs	os	.04	.04 .82
30	29.535	34.5	34.0	32.0	S	3	10	st	0	b.c.0	.10	.10 .92
31												

1.92 1.97

1919 Corrected November		Barometer		Humidity		In Ground		
Temp	GA. & F.	Bar.	O/O	V.T.	Temp in Grass	1 ft.	4 ft.	
1	041	26.4	30.577	82	.218	26.8	44.4	49.9
2	32	68	30.484	83	.155	20.2	43.5	49.5
3	36	61	30.174	91	.216	24.1	43.1	49.2
4	37	57	29.883	91	.234	28.1	43.3	49.0
5	36	58	29.749	97	.218	30.5	43.7	48.8
6	35	57	29.622	98	.226	29.0	43.5	48.6
7	35	57	29.622	96	.209	32.8	43.2	48.2
8	26	62	29.608	88	.152	22.2	42.4	48.2
9	28	57	29.606	86	.187	26.2	41.7	48.1
10	28	60	29.971	75	.170	28.1	41.5	47.7
11	21	64	30.125	82	.149	15.7	40.0	47.4
12	21	61	29.800	91	.176	24.1	39.4	47.2
13	17	64	29.993	85	.137	12.0	38.8	46.9
14	07	68	30.021	88	.099	10.8	37.6	46.4
15	07	70	30.091	82	.090	10.9	36.8	46.1
16	12	64	30.202	99	.187	18.0	36.1	45.7
17	27	57	30.052	94	.312	42.3	37.0	45.2
18	31	59	29.961	86	.210	32.1	38.8	44.9
19	40	53	29.549	89	.278	42.6	40.4	44.7
20	30	57	29.572	93	.195	31.8	40.4	44.6
21	30	58	29.857	88	.207	30.1	39.7	44.7
22	37	53	29.803	87	.324	41.0	40.8	44.7
23	49	50	29.650	94	.396	51.1	43.5	44.5
24	44	54	29.570	85	.221	36.1	44.1	44.8
25	35	54	29.219	95	.221	32.1	42.8	45.0
26	28	58	29.532	94	.193	24.0	41.3	45.2
27	28	58	29.650	89	.182	25.0	40.5	45.2
28	18	63	29.561	92	.124	15.1	38.9	45.1
29	18	62	29.670	89	.156	17.0	37.7	45.0
30	15	60	29.780	79	.156	15.2	36.9	44.6

Very fine
 Cold, frost, smoke fog.
 Overcast, cold.
 Overcast, cold.
 Fine, clear, low smoke haze.
 Dull, damp, misty.
 Dull, foggy.
 Very fine, frost.
 Very fine.
 Cold, breezy.
 Cloudy, frost, H & S. showers.
 Fine, snow lying 2 in to 4 in.
 Cloudless, frost, low smoke fog.
 Very severe frost, foggy.
 Brilliant, intense frost.
 Snowing, snow lying 1 in.
 Warm damp.
 Clear, cold.
 Blustering, showery.
 Hail squalls early. Sun sh^g after.
 Cloudy, after showers.
 Cloudy, mild.
 Overcast, drizzle at times, windy.
 Fine, clear, cold.
 Cloudy, showery.
 Cloudy, cold, snow lying 2 in.
 Clear, ground frost.
 Frost, low smoke fog.
 Gloomy, snowing, snow lying 2 in.
 Overcast.

Very violent squall 6h. a.m.

1919

21h.
9pm

Anemometer

Clouds

Weather

Temp

November

Bar.

Att.
Ther.

Dry

Wet

Dir.

Force

Amount

Form

At time
of obs.Since
last obs.

Max Min

1	30.361	44.2	35.3	34.8	N	1	7	st-cu	c	b.c	47.2	35.2
2	30.053	42.8	39.0	38.2	NNW	1-2	10	st-cu	o	o2	43.0	28.0
3	29.814	42.2	37.6	35.8	NE	3	6	cir	c	o	44.1	34.5
4	29.559	42.8	38.2	37.7	ENE	2	8	st-cu	c	o	44.6	36.0
5	29.469	42.7	38.0	37.9	E	1-2	10	st-cu	o	o2m	41.3	36.7
6	29.406	42.2	38.3	37.6	NNW	1	10	st-	o	o	42.6	35.2
7	29.378	41.6	35.6	35.1	—	0	10	A-st-	o	o	41.9	35.2
8	29.340	39.6	32.2	31.4	S	3	0	—	b.x	b.c	43.8	28.5
9	29.065	40.0	36.5	36.0	NE	2-3	10	cu-nb	o/p	c/p	42.8	29.8
10	29.820	38.0	26.9	25.6	SW	2	0	—	b2	b	42.0	26.9
11	29.761	37.5	31.0	30.1	SSW	2	2	cir	b.c	b.c	41.8	24.5
12	29.647	37.2	32.7	30.8	NW	2-3	2	st-cu	b.c	b.c	41.5	29.1
13	29.757	35.9	24.1	23.2	SW	1	0	—	b2x	b	39.6	23.8
14	29.782	33.0	22.0	21.8	SSW	2	0	—	bfx	b.f	34.6	17.8
15	29.967	32.6	23.1	24.6	SSW	2	0	—	b.x	b.x	35.8	17.0
16	29.931	36.0	44.7	44.5	SW	2-3	10	st-	ou	ou	45.1	25.0
17	29.589	41.5	45.1	43.6	W	2-3	6	st-	cb	or	50.3	43.0
18	29.613	42.8	44.8	43.4	SW	4	6	cir	c	b.c/p	47.0	36.2
19	29.271	43.0	40.5	38.9	W	5	9	cu-nb	pq	pq	48.6	40.0
20	29.574	40.8	35.7	34.4	SW	2-3	8	cu-nb	ou	pq7hs	43.0	33.8
21	29.627	41.0	41.7	41.0	SSW	3	10	st-	o	o	43.3	34.5
22	29.590	45.0	52.4	51.1	SW	3-4	10	st-	od	od	54.3	41.2
23	29.156	48.0	39.6	38.9	NW	3-4	10	nim	or2	or	56.0	39.2
24	29.131	44.1	37.2	36.6	SW	3-4	8	st-	c	c/p.h	47.1	36.9
25	29.112	42.0	36.5	35.5	WSW	2	2	cu-nb	b.c	c/p	41.6	34.8
26	29.392	40.2	35.9	35.2	N	2	2	st-cu	b.c	c/p	41.9	31.3
27	29.329	39.0	29.3	28.6	—	0	0	—	b2	b.c	41.3	29.2
28	29.374	37.5	31.3	31.2	NE	1	7	st-cu	cf	b.c2	35.8	23.6
29	29.537	36.0	30.2	29.9	SW	2	0	—	b	os, cb	35.2	24.5
30	29.333	39.8	41.5	40.3	SW	2-3	7	st-cu	c	or	45.8	22.8
31												

1302.9
43.43

9342

No.	Temp	GA & IE	Bar.	%	V.T.	Sun. shine	
1	1043	267	30.585	96	197	6.6	Very fine.
2	38	62	30.269	94	222	0.0	Overcast all day.
3	37	61	30.038	84	191	0.0	Lunar halo. Cirrus cl. cold.
4	38	58	29.779	96	220	0.0	Fine night: passing clouds.
5	37	57	29.689	99	226	0.0	Dull, misty: low visibility all day.
6	36	57	29.627	93	217	0.0	Dull.
7	35	57	29.600	96	199	0.0	To cloudy, fine. To clear 22h.
8	30	59	29.569	90	165	5.3	Brilliant night: sharp frost.
9	31	60	29.794	95	206	2.8	Showery, cold.
10	26	67	30.061	73	106	5.1	To clear, hard frost. Smoke fog.
11	24	64	30.001	86	151	3.0	Fine, frosty.
12	22	62	29.887	77	146	5.7	Fine frosty.
13	20	67	30.004	76	1098	8.0	Brilliant, cloudless frosty day.
14	12	69	30.039	94	110	2.4	Intense frost. Foggy, nearly all day.
15	11	69	30.225	87	118	5.3	To clear, hard frost.
16	20	59	30.170	98	292	0.0	Mild, damp.
17	34	55	29.810	88	265	0.0	Warm, damp after rain.
18	37	56	29.832	89	264	4.7	Windy, threatening.
19	38	55	29.488	87	219	3.7	Squally all day. Frequent sh ^{rs} .
20	33	54	29.772	88	186	3.1	Frequent squalls. r. & s: 7 at night.
21	33	57	29.851	94	249	0.5	Overcast most of day.
22	44	53	29.799	91	358	0.2	Overcast, very warm.
23	51	54	29.359	94	229	0.0	Very wet all afternoon.
24	40	56	29.347	94	210	2.9	To cloudy, cold: h. showers. 19-20h.
25	35	55	29.332	92	197	1.0	Showery all day. To clear night.
26	31	58	29.619	94	198	3.6	Showers after. To clear night, some cl.
27	28	61	29.562	88	143	6.5	Bright sunny day. Frost & smoke fog at night.
28	23	60	29.611	99	174	4.3	To cloudy, foggy: frost.
29	20	62	29.793	95	160	0.0	To clear frosty, after cloudy day.
30	30	54	29.557	90	237	0.0	Wet aftern. Fidd night.

74.7

24. 7

1919

9h.
9a.m.

Anemometer

Clouds

Weather

Ranungau

December

Bar.

Att.
Ther.

Dry

Wet

Dir.

Force

Amount

Form

At time
of obs.Since
last obs.

8 inch Auto

1	29.504	37.3	34.8	33.9	SW	3-4	0	—	b	c, h	.11	.11	
2	29.316	39.0	36.2	35.4	SW	2-3	0	—	b	OT, cl	.06	.06	.17
3	29.463	43.0	48.1	46.8	SW	4	6	st-cu	c	cp	.10	.10	.27
4	29.607	42.5	42.4	40.4	SW	3-4	4	st.	bcp	cp	.37	.37	.64
5	29.557	44.0	47.5	46.9	SW	5	10	nim	OT	OT	.25	.25	.89
6	29.319	41.2	35.0	34.4	SW	3	3	cu-nb st	bc	cpqrs	.32	.31	1.24
7	29.769	41.1	37.1	36.1	WNW	2	3	st-cu	bc	bcp	.05	.05	1.26
8	30.046	38.8	31.8	31.0	S	1	2	st-cu	bx	b	.01	.01	1.27
9	29.840	38.0	35.0	34.1	S	3-4	10	A-st st	ou	o	.15	.15	1.42
10	29.200	41.5	42.8	41.9	S	4-5	10	nim	OT	OT	.47	.47	1.89
11	29.036	42.0	42.7	41.1	S	4	4	st-cu	bc	OT	.07	.07	1.96
12	29.387	41.0	41.6	40.6	SW	5-6	7	A-cu st	c	b. OT	.18	.18	2.14
13	29.413	44.0	46.3	45.5	S	5	10	st	o	OTg	.11	.12	2.25
14	29.520	42.3	43.8	41.8	SSE	4-5	9	A-st	og	bcp	.30	.31	2.35
15	29.262	42.8	41.4	40.2	S	3	6	cir	cl	OTg	—	—	
16	29.498	41.5	37.1	36.9	SW	3	10	st	of	o	.04	.04	2.59
17	29.676	43.2	44.0	43.3	SSW	3	10	st	o	OT	.01	.01	2.60
18	29.783	44.0	44.9	44.2	SW	5-6	10	nim	oud	o	.09	.09	2.69
19	30.140	42.5	42.7	40.1	W	2	4	st-cu	bc	cpq	.10	.09	2.79
20	29.995	43.4	44.7	49.5	SW	2	10	st.	oud	od	.19	.19	2.88
21	29.523	45.2	40.7	39.9	W	3	4	st-cu st	bc	OT	.23	.21	3.11
22	29.576	42.0	38.9	38.5	SSW	2	10	str.	or	or	1.25	1.16	4.36
23	29.244	43.1	42.1	39.7	W	2	5	str, cir	or	bc	.02	.02	4.38
24	29.190	40.3	36.4	35.2	SW	3-4	3	A-cu st-cu	bc	bc	.03	.04	4.41
25	29.283	40.0	35.2	35.1	NW	0-1	10	st	o	op	.01	.01	4.42
26	29.448	39.2	40.0	38.8	SE	4	10	st	od	b, c, o	.28	.29	4.71
27	29.063	41.6	37.8	36.4	SW	4	1	st	b	pqr	.02	.02	4.73
28	29.290	39.5	36.4	35.5	SSW	4	10	A-st	ou	o	.17	.18	4.90
29	29.095	42.2	40.7	39.7	SW	3-4	8	st-cu	cl	OT	.03	.03	4.93
30	29.174	39.6	30.4	30.5	NE	0-1	5	A-st	f ²	OT, f	1.12	1.12	6.05
31	29.070	38.8	34.9	33.7	W	2-3	2	st-cu	bc	OT, s	—	—	

6.14
6.06

1919	Corrected Barometer		Humidity		In Ground						
December	Temp —	GA. IE +	Bar.	%	V.T.	Temp in glass	1 ft.	4 ft.			
1	023	254	29.740	92	.184	31.2	37.3	44.3			Cloudless, cold: ground frost.
2	27	57	29.546	93	.199	32.4	38.1	44.0			Fine, clear sky.
3	38	53	29.678	91	.303	39.2	39.7	43.8			Fine, breezy: after shower, night
4	37	57	29.827	85	.229	37.0	40.7	43.7			blustering, showery.
5	41	53	29.769	95	.314	37.5	40.7	43.7			Wet & stormy.
6	34	59	29.544	94	.192	33.8	40.9	43.8			Squally all night. Sleet till 12. Clearing
7	33	59	29.985	91	.201	31.3	40.5	43.9			Fine. Showers early.
8	28	66	30.284	90	.160	22.0	39.5	43.9			Clear. White frost.
9	26	62	30.076	91	.186	27.1	38.3	43.8			Overcast, threatening.
10	34	54	29.420	93	.256	39.1	39.5	43.7			Stormy & wet.
11	35	52	29.253	87	.239	34.5	40.7	43.5			Fine, cold, windy.
12	33	54	29.608	93	.242	34.2	40.0	43.5			Fine, windy.
13	41	54	29.626	95	.295	40.2	40.9	43.5			Dull, windy.
14	37	55	29.738	84	.243	35.1	40.9	43.5			Cloudy, overcast.
15	37	54	29.479	91	.235	37.2	41.5	43.7			Fine, cold.
16	34	58	29.722	98	.217	33.2	40.9	43.7			Dull, cold, foggy.
17	39	56	29.893	94	.272	41.0	41.0	43.7			Dull, cold.
18	41	57	29.999	95	.281	40.1	41.7	43.8			Drizzling mist.
19	37	61	30.364	81	.220	33.9	41.3	43.8			Fine
20	46	58	30.207	99	.352	48.5	42.7	43.8			Dull, misty, drizzling.
21	45	56	29.734	93	.237	38.9	43.8	43.9			Fine, after wet night.
22	36	59	29.799	97	.229	32.4	41.9	44.0			Overcast wet.
23	38	54	29.460	82	.219	32.5	42.4	44.0			Fine after wet night.
24	31	56	29.415	90	.193	32.5	41.6	44.2			Fine, cold.
25	30	57	29.510	99	.204	32.5	40.4	44.1			Dull, cold.
26	28	56	29.676	90	.222	23.0	39.7	44.0			Dull, drizzling, threatening.
27	34	54	29.283	89	.200	35.2	40.9	43.9			Clear, cold, after squally night.
28	28	57	29.519	93	.199	32.0	40.0	43.8			Dull, threatening.
29	36	53	29.312	92	.233	32.0	40.8	43.7			Fine, cold.
30	29	59	29.404	100	.171	25.8	40.6	43.5			Dense fog, frost.
31	26	56	29.300	89	.179	30.8	40.0	43.6			Fine; snow lying. Black peas & black particles a generally turbid.

1919

21.h.

9 p.m.

Anemometer

Clouds

Weather

Temp.

December

Bar.

Att.
Ther.

Dry

Wet

Dir.

Force

Amount

Form

At time
of obs.Since
last obs.

Max Min

1	29.229	40.6	41.8	40.9	SSW	4-5	10	nim.	OT	b.c. OT	43.1	33.9
2	29.412	41.0	39.9	39.4	S	3	9	nim	CT	bc	43.9	34.3
3	29.507	43.5	43.7	42.4	SW	3-4	5	st-cu	cb	cp	52.0	39.8
4	29.843	42.2	40.7	39.1	SW	2-3	2	cu-nb	b	cpq	44.9	38.9
5	29.543	43.0	42.3	39.9	SW	4	0	—	b	cpq	51.4	40.0
6	29.235	42.1	39.4	38.7	W	1-2	3	cu-nb st.	bc	cpq r	43.0	35.0
7	29.862	40.3	35.4	35.3	NW	3	0	—	b	cp	43.2	34.3
8	29.985	39.0	32.9	32.2	SW	2	10	A-st ps-st	ofx	bc	40.2	31.0
9	29.606	40.0	39.8	39.7	SSW	3	10	st.	om	od	40.6	32.0
10	29.068	42.5	42.7	42.6	—	0	10	nim	OT-2	OT	47.9	39.6
11	29.274	41.8	39.1	37.6	S	5	1	A-cu cent	b	bc	44.3	38.7
12	29.490	42.5	41.9	40.9	SSW	5	2	not visible	bcq	bc	47.7	36.4
13	29.478	42.5	38.0	37.2	SW	5	0	—	bq	OT-2	49.3	35.8
14	29.253	46.0	47.9	45.9	SE	7-8	10	st	ouq ²	ogd	48.5	36.0
15	29.316	43.5	41.1	40.1	S	3	10	A-st?	0	0	48.4	39.5
16	29.537	42.8	42.9	41.7	S	4	10	nim	OT	bc	43.8	36.1
17	29.877	43.9	46.4	43.6	W	3	8	cir.	c	0	47.1	42.5
18	29.844	42.4	38.9	36.6	W	5-6	6	cu-nb	pq	pqr r	51.2	38.2
19	30.023	44.8	48.9	48.8	SW	3	10	st.	ofd	bc	49.6	38.5
20	29.690	47.0	49.7	48.9	SW	3-4	10	st.	oud	od	51.1	48.8
21	29.594	42.0	34.7	33.8	W	3-4	2	cu-nb	cpqr s	cpqr s	50.5	33.6
22	29.310	43.0	38.9	39.1	ENE	1-2	10	nim	OT ²	OT ²	51.0	34.8
23	29.166	42.7	37.8	36.8	SW	3	3	st-cu?	bc	0	44.1	33.5?
24	29.095	40.5	37.2	36.1	SW	3-4	8	cir st	c	bc	40.0	35.1
25	29.642	40.0	31.9	31.8	SSW	0-1	0	—	bf	bc	40.0	32.0
26	29.050	43.1	48.6	45.9	SW	5	10	nim	OT	OT	50.0	31.1
27	29.181	41.0	36.4	35.4	SW	4-5	9	st	op	bcp	49.2	35.0
28	28.834	42.2	46.8	46.6	S	4-5	10	nim st	oud	OT	47.3	35.0
29	29.184	42.7	40.6	40.4	SW	3	10	nim	OT	0	51.0	39.9
30	28.762	41.2	39.9	39.7	NE	4-5	10	nim	OT ²	f. OT	41.8	29.8
31	29.080	40.2	34.7	34.3	SW	1	6	st-cu	cb	bc	42.0	32.4

Bright & sunny in afternoon.

1138.1
46.391121.5
36.2

1919	Corrected Barometer		Humidity								
December	Temp	Bar	%	V.T.	Sun- shine						
	-	+									
1	032	25.4	29.457	93	.247	5.5					
2	33	56	29.635	96	.236	6.6	A curious cloud effect. Two layers of passing clouds, one going from S. upper from W. & then above both.				
3	39	55	29.723	89	.256	0.2					
4	37	60	30.066	87	.220	0.5					
5	38	55	29.760	81	.220	0.0	Bright aftern. Very wet night.				
6	35	53	29.455	95	.228	1.4	To cloudy, raining a little, sun as usual.				
7	32	62	30.092	99	.206	2.0	Fine, after showers.				
8	28	65	30.222	92	.173	3.5	Squally, showery all day.				
9	31	58	29.833	100	.242	0.0	Squally, showery, aftern. to clear night.				
10	36	52	29.284	99	.272	0.0	Squalls & heavy sh ^r . h. or. all day.				
11	35	53	29.494	88	.209	3.6	Showers, aftern. to clear night.				
12	37	55	29.708	93	.246	2.6	Fine aftern. Overcast, fog, night.				
13	37	57	29.698	93	.212	0.0	Overcast, some drizzle aft ⁿ . M. & W.				
14	46	52	29.461	86	.285	0.0	Very wet all day. Pouring at night.				
15	39	54	29.531	92	.236	0.0	to clear, cold, windy.				
16	37	56	29.756	91	.250	no	to clear. Strong wind.				
17	41	57	30.093	81	.253	0.0	Violent gale & squalls aft ⁿ . to clear.				
18	37	61	30.068	83	.193	0.0	Gale blowing, overcast, threatening.				
19	44	59	30.238	100	.343	2.2	Overcast, calm.				
20	49	53	29.896	94	.236	0.0	Overcast, raining.				
21	36	60	29.818	93	.184	0.6	to cloudy, mild.				
22	38	56	29.528	100	.239	0.0	Squally, showery.				
23	37	53	29.384	92	.208	0.0	Thick drizzle & fog.				
24	31	54	29.318	90	.200	2.3	Dull, very mild, drizzle at times.				
25	31	62	29.873	99	.179	1.0	Violent squalls, sleet & hail, all day.				
26	38	50	29.262	81	.278	0.0	Overcast, wet, continuous rain all day.				
27	33	56	29.407	92	.197	4.2	Fine, cold.				
28	35	49	29.048	98	.316	0.0	Cold, threatening.				
29	37	55	29.402	98	.249	0.7	to clear sky, frosty, slight fog.				
30	33	50	28.979	99	.241	0.0	Stormy & wet all day.				
31	31	56	29.305	96	.194	5.0	Sunny aftern, passing showers.				
						41.9	Wet night, thick drizzle.				
							Wet night.				
							Fog aftern. Raining in torrents, night.				
							Fine, calm.				

A curious cloud effect. Two layers of passing clouds, lower going from S. upper from W. then above both.

Bright aftern. Very wet night.
 To cloudy, raining a little, Lunar breeze.
 Fine, after showers.
 Squally, showery all day.
 Squally, showery, after. To clear night.
 Squalls & heavy, sh^{er} heat, all day.
 Showers, aftern. To clear night.
 Fine aftern. Overcast, fog, night.
 Overcast, some drizzle aftⁿ. Mist, w.
 Very wet all day. Pouring at night.
 To clear, cold, windy.
 To clear. Strong wind.
 Violent gale & squalls aftⁿ. To clear.
 Gale blowing, overcast threatening.
 Overcast, calm.
 Overcast, raining
 To cloudy mild
 Squally, showery.
 Thick drizzle & fog.
 Bull. ves, mild, drizzle at times.
 Violent squalls. sleet & hail, all day.
 Overcast, wet, continuous rain all day.
 Fine, cold.
 Cold, threatening
 To clear sky, frost, slight fog.
 Stormy & wet all day.
 Sunny aftern, passing showers.
 Wet night, thick drizzle.
 Wet night.
 Fog aftern. Raining in torrents, night.
 Fine, calm.

SUN-
SHINE

HOURS

61.2

79.3

111.0

157.9

194.9

158.7

170.6

176.4

133.9

103.5

74.4

41.9

Rainfall in 1914

Jan

4.12

51.6°

Min.

24.5°

Max
Min.

18.2°

Lowest
Max.

33.2°

Feb

0.93

47.3

24.5

16.0

37.5

Mar

2.43

52.6

23.1

12.0

38.8

Apr.

1.19

62.4

27.5

18.5

43.1

May

1.85

75.8

35.4

27.1

51.0

June

2.04

69.5

41.6

31.0

55.1

July

0.62

73.4

40.9

30.1

60.0

Aug

3.24

78.4

38.6

32.5

51.0

Sept

3.15

73.4

33.7

27.7

51.4

Oct

1.24

63.3

27.0

19.3

46.0

Nov

1.92

56.0

17.0

10.8

34.6

Dec

6.05

52.0

29.8

22.0

40.0

~~28.83~~

29.03

Robinson Dome $19\frac{1}{2}$ feet high (to ball). 21 feet W. of Th. Screen & 32 ft WSW of ganges. Nearest point of Hedge, 56' high, is 18 feet north of them.
 Height of Barometer 202 feet over Mean Sea Level.

Total number of hours during which the sun is above the horizon here.

Jan. 245 July 512
 Feb. $\begin{cases} 271 \\ 281 \end{cases}$ Aug. 457
 Mar. 366 Sept. 379
 Apr. 421 Oct. 323
 May 494 Nov. 253
 June 511 Dec. 227
 July

USEFUL DATA:

One cubic inch of water weighs 252.458 grains.

One-hundredth of an inch (.01) of water over a 5-inch circle weighs 49.77 grains, or on an acre of land about 1 ton.

One inch of rain over an acre weighs 101 tons and measures 22,624 gallons, or 3630 cubic feet.

One inch of rain on one square mile (a "square mile inch") is equal to 64,640 tons or 14,479,360 gallons.

1914 Feb. 22 28.02
 1914 Jan. 1 28.02

1911 Feb. 1. 30.60 } uncorrected.

1 ^{min} = 0.0394	0.1	0.0039
2 .0787	0.2	.0079
3 .1181	0.3	.0118
4 .1575	0.4	.0158
5 .1968	0.5	.0197
6 .2362	0.6	.0236
7 .2756	0.7	.0276
8 .3150	0.8	.0315
9 .3543	0.9	.0354
10 .3937		
20 0.7874		
30 1.1811		
40 1.5748		
50 1.9685		
60 2.3622		
70 2.7559		
80 3.1496		
90 3.5433		
100 3.9370		

Esplanade

Rockwell, Cayman

14 Staverton Road, Oxford