

METEOROLOGICAL OBSERVATIONS TAKEN AT ST. AUBIN'S, JERSEY, DURING JANUARY, 1882  
BY J. E. VIBERT, M.A.

Days of Week.	Days of Month.	At 9 a.m. Local Time.				At 9 p.m. Local Time.				At 9 p.m. Thermometers reset at 9 p.m. daily.			
		Hygrometer.		Wind.		Hygrometer.		Wind.		Max. in shade.		Max. in sun.	
		Dry Bulb.	Humidity 0-100	Direction.	Force, 0-12.	Dry Bulb.	Humidity 0-100	Direction.	Force, 0-12.	Max. in shade.	Min. in shade.	Max. in sun.	Min. on grass.
		Barometer reduced to 32° in.	Amount of rain in inches.			Barometer reduced to 32° in.							
(M	1	30.035	0.005	S.W.	4	29.975	89	S.W.	8	57.8	51.2	93.2	48.8
T	2	30.000	0.134	W.	6	30.058	78	W.	3	53.7	45.1	92.4	41.0
W	3	30.194	0	N.W.	6	30.211	76	W.	4	53.0	45.0	94.4	41.5
T	4	30.170	0.065	S.E.	9	30.254	89	S.E.	2	47.5	43.8	85.0	42.0
F	5	30.298	0.185	S.	10	30.400	81	N.W.	2	51.8	44.0	84.4	35.3
S	6	30.500	0	N.W.	2	30.492	89	N.	2	49.8	40.6	92.2	32.2
S	7	30.448	0	N.W.	1	30.520	72	E.	4	44.8	41.0	65.8	37.2
M	8	30.168	0	E.	2	29.895	61	E.	7	41.0	32.2	81.3	30.0
● T	9	29.642	0.040	E.	7	30.496	87	S.	8	48.2	29.0	66.3	27.7
W	10	30.490	0.038	E.	7	30.472	94	S.E.	3	47.2	41.2	72.8	38.0
T	11	30.551	0.002	S.E.	4	30.603	92	S.E.	0	49.5	44.1	90.3	40.8
T	12	30.572	0.003	S.E.	5	30.382	92	S.E.	8	45.1	39.1	47.0	38.3
S	13	30.177	0.028	S.E.	10	30.356	91	E.	2	43.0	43.4	82.6	42.6
S	14	30.578	0.232	S.E.	4	30.510	98	N.	8	52.6	45.2	86.4	37.1
M	15	30.482	0.097	W.	7	30.520	92	W.	2	61.0	41.0	92.8	37.8
● T	16	30.822	0.012	W.	8	30.124	92	W.	9	54.6	39.0	99.0	30.9
W	17	30.285	0.066	S.W.	10	30.363	96	S.W.	1	49.1	41.5	85.5	33.3
T	18	30.289	0.180	S.W.	9	30.498	100	S.W.	9	51.2	46.2	82.9	42.8
T	19	30.382	0.002	S.W.	6	30.329	92	S.W.	2	53.0	46.0	94.8	43.8
F	20	30.386	0	S.W.	9	30.370	90	S.	0	48.7	41.2	64.8	40.2
S	21	30.381	0	S.	10	30.420	92	S.E.	2	46.5	37.0	52.6	35.4
S	22	30.535	0	S.E.	8	30.569	92	S.E.	5	40.1	31.9	41.8	32.8
● M	23	30.615	0.220	S.E.	1	30.587	65	S.E.	3	39.7	32.4	36.0	28.0
T	24	30.898	0	S.	5	29.982	97	S.	5	39.7	32.4	36.0	28.0
W	25	30.868	0.230	N.	5	30.488	96	S.W.	6	51.8	38.2	93.4	34.5
T	26	30.554	0.225	W.	7	30.725	85	N.W.	4	49.7	38.3	96.3	38.1
F	27	30.956	0.180	S.W.	7	30.937	76	W.	4	51.1	38.3	77.7	34.2
S	28	30.837	0.024	W.	3	30.120	98	S.W.	4	49.8	41.9	96.5	34.0
S	29	30.862	0.210	S.W.	5	29.704	96	S.W.	4	51.6	48.0	69.0	43.4
M	30	30.869	0.060	N.W.	3	30.845	82	N.W.	2	48.2	39.8	100.3	36.0
● W	31	30.837	0.566	E.	8	30.832	98	N.E.	2	42.6	35.5	47.4	34.3
Highest		30.615	0.568	E	8	30.33rd 94	100	W	19	57.8	51.3	100.3	48.3
Lowest		29.177	0.002	W	0	30.12th 94	61	W	0	39.7	39.0	41.8	27.7
Mean		30.003	0.186	W	4.1	30.678	87.5	W	3.7	48.5	40.4	78.7	36.9

REMARKS.—Weather unsettled, but a great improvement on the past three months; mild generally. Barometer, mean, 29.986, i.e. 1.165 too low; range 0.456, or 0.140 too high. Temperature: range unusual viz: 28°8; mean, 44°5, i.e. 8°0 too high; warmest New Year's Day on record; the mean was too high on 25 days; on the 1st, the warmest day, it was 54°6 i.e. 1°39 too high; for the 22nd, the coldest day, it was 36°0 i.e. 5°8 too low. Solar maxima 8°3 too high. Rain fell during 37 hours, i.e. 23 too many. Rainfall, maximum 0.663 which fell in about fourteen hours on the 31st; amount for the month 0.889 (or 18 per cent.) too low. Mean temperature of sea near shore 48.1, i.e. 1.8 too high; gales frequent: mean wind force, average. Bright sunshine: total record 69.9 hours, or 27 per cent. of the possible amount; the brightest hour was from 9.45 to 10 a.m., with a total of twelve hours; the brightest week was that ending the 16th with a record of 25.3 hours; the gloomiest that ending the 24th, with a record of 8.9 hours; a full record was obtained on one day, no record on eight days.

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METEOROLOGICAL OBSERVATIONS TAKEN AT ST. AUBIN'S, JERSEY, DURING FEBRUARY, 1883.  
BY J. E. VIBERT, M.A.

Days of Week.		Days of Month.		At 9 a.m. Local Time.				At 9 p.m. Local Time.				S. R. Thermometers reset at 9 p.m. daily.				Lat. 49° 11' 20' N., Long. 2° 9' 48' W.	
				Hygrometer.		Wind.				Wind.							
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REMARKS.—Variable and mild, unusual number of fine days; rough on 2nd and 12th; very calm after 21st. Barometer: mean, 30.187, i.e. 0.177 too high; range 1.961, i.e. 0.690 too high; very high readings on 28th. Temperature: range 19° 7 i.e. 2° 9 too low; mean, 45° 6 or 1° 9 too high; shade maxima 58° 3 too high; the mean was too high on 22 days; for the 8th, the warmest day, it was 49° 6 i.e. 5° 8 too high; for the 28th, the coldest day, it was 40° 8 i.e. 8° 9 too low for both extremes of temperature; Solar maxima 5° 2 too high. Rainfall, maximum 0.485 which fell in about eight hours on the 10th; total for the month 0.454 too low. Mean, temperature of sea near shore a.m., 46.8 i.e. 2.8 too high; cold winds 18 entries instead of 26, calms 14 instead of 6. Bright sunshine: total record 113.8 hours, or 41 per cent. of the possible amount; full record on 8 days; no record on 7 days; on 7 days the record was eight hours or more (the brightest day was the 23rd with a record of 9 hours 48 minutes (quite remarkable for February); the brightest week was that ending the 9th with a record of nearly 46 hours, the gloomiest that ending the 14th, with a record of more than 17 hours; the brightest hour was from 1, to 11 with a total of 14.9 hours.

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will take up his appointment immediately.

South-Western and South-Eastern Ordinary 1,

be obtained through Messrs. Gooey's Agent, 4226

METEOROLOGICAL OBSERVATIONS TAKEN AT ST. AUBIN'S, JERSEY, DURING MARCH, 1883.  
BY J. E. VIBERT, M.A.

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		Hygrometer.		Wind.	Amount of rain in inches.	Barometer reduced to 89° in.	Hygrometer.		Wind.										
		Dry Bulb.	Humidity 0-100				Dry Bulb.	Humidity 0-100											
T.	1	30.481	49.0	94	N.	2	10	0.028	30.525	46.6	76	N.E.	8	10	51.0	43.0	94.0	37.7	Min. on Grass.
CH.	2	30.569	48.3	75	N.E.	4	9	0	30.551	43.2	73	N.E.	8	0	44.9	40.8	102.6	38.5	Max. in sun.
S.	3	30.612	42.5	68	E.	3	0	0	30.632	42.5	70	E.	4	0	47.2	37.2	99.0	38.9	Min. in shade.
S.	4	30.656	43.0	65	N.E.	2	0	0	30.625	42.1	78	N.E.	8	0	48.7	33.7	102.0	28.5	
M.	5	30.636	46.1	77	N.E.	2	1	1	30.612	42.3	94	N.E.	2	0	49.3	38.1	101.4	33.0	
T.	6	30.734	44.0	71	N.	2	7	7	30.715	37.0	49	N.	5	7	48.3	36.1	104.5	34.5	
W.	7	30.719	38.2	62	N.	4	8	8	29.899	35.0	72	N.	4	8	40.6	34.0	92.0	32.0	
W.	8	29.794	35.0	67	N.	4	7	7	29.889	30.5	68	N.E.	8	5	37.8	27.4	100.5	26.1	
S.	9	30.776	31.0	85	N.E.	3	9	0	30.904	31.3	83	N.E.	8	2	34.6	26.4	113.2	25.7	
S.	10	30.860	30.3	95	N.E.	3	10	0	30.855	32.3	74	N.E.	8	10	35.3	27.7	105.3	25.0	
M.	11	30.861	40.3	67	N.W.	2	8	0	30.795	40.0	75	N.W.	2	8	44.9	30.0	99.3	26.2	
W.	12	30.906	39.2	63	N.	3	5	0	30.905	39.3	64	N.E.	1	2	41.2	34.1	104.0	30.5	
W.	13	30.186	35.2	92	W.	2	10	0	30.087	38.3	95	S.W.	3	10	43.9	33.5	95.0	27.5	
W.	14	29.872	43.1	97	W.	3	10	0	29.697	42.0	94	S.W.	3	8	48.0	37.3	101.5	36.7	
T.	15	30.545	39.9	93	N.E.	2	10	0	30.714	35.3	69	N.E.	3	1	42.0	34.0	80.4	31.0	
T.	16	30.750	34.5	80	S.W.	1	5	0	30.990	40.1	75	N.W.	2	9	45.7	30.5	97.4	25.9	
S.	17	30.727	43.1	79	S.W.	3	5	0	30.669	41.3	86	S.W.	3	9	48.2	34.3	114.4	31.1	
S.	18	30.692	40.0	66	S.E.	1	10	0	30.703	36.3	88	S.E.	2	2	42.1	35.2	78.2	30.1	
M.	19	30.760	42.0	66	N.	3	8	0	30.759	42.2	80	N.	2	10	43.6	34.4	87.0	30.0	
M.	20	30.359	39.3	92	N.W.	3	8	0	30.542	42.6	99	N.	0	10	42.9	37.9	55.6	37.0	
W.	21	30.609	42.0	85	S.	2	9	0	30.668	43.0	83	N.E.	3	4	48.8	40.1	102.5	38.5	
W.	22	30.578	38.0	75	N.E.	5	10	0	30.956	37.3	72	N.E.	7	10	43.0	34.8	100.2	35.9	
O.	23	30.950	32.3	84	N.E.	7	3	0	30.082	36.6	70	N.E.	3	0	37.3	29.1	100.5	27.2	
S.	24	30.044	41.3	62	N.E.	2	1	0	29.944	36.0	76	N.E.	0	0	45.8	32.2	107.5	25.1	
S.	25	29.885	39.2	75	N.E.	2	10	0	30.640	35.0	71	N.W.	1	0	42.4	32.9	102.4	27.0	
M.	26	30.387	48.0	65	N.W.	2	4	0	30.455	38.2	78	N.W.	2	9	49.7	34.0	110.4	29.2	
W.	27	30.587	42.5	78	N.W.	2	5	0	30.967	38.2	82	N.W.	1	4	43.7	32.7	102.3	27.0	
W.	28	30.164	43.7	65	N.W.	2	7	0	30.294	35.3	80	S.	0	2	48.9	34.3	113.2	26.9	
T.	29	30.177	42.6	74	S.E.	3	9	0	29.357	46.0	79	S.	2	1	47.3	34.7	108.5	28.5	
T.	30	29.520	48.0	95	S.	3	10	0	30.791	42.6	93	N.W.	1	0	47.8	42.0	103.5	36.3	
S.	31	30.568	47.0	72	N.E.	2	7	0	30.164	43.0	84	N.E.	2	0	51.9	39.0	97.8	33.1	
Highest		30.456	49.0	97	E & S	7	10	0.020	43.2	46.6	95	W & S	7	10	53.8	43.0	114.4	33.3	N.B.—The necessary corrections for "Index error" have been applied to the instrumental readings.
Lowest		29.337	30.3	62	entries	1	0	0.003	30.1	30.5	49	entries	0	0	34.6	26.4	55.6	25.0	
4 min		29.933	40.3	73.5	49	3.7	6.5	2.891	29.974	39.1	73.6	10	3.5	4.9	45.0	34.6	99.0	30.3	



1883 MARCH

1	50471	490	94	N	2	10	0.028	3034	466	76	NE	3*	10	510	430	940	377	Cloudy, drizzle. Do. Cloudy, fair
2	50471	453	75	NE	4	9		51	432	79	NE	3	0	469	408	1026	385	Cloudy. cold wind. V. fine.
3	612	425	63	S	3	0		632	425	70	S	4	0	472	372	990	339	Drying wind - ex. fine. Cloudless
4	606	430	65	NE	2	0		625	421	78	NE	3	0	487	337	1020	285	Breeze. Cloudless ex. fine
5	636	461	77	NE	2	1		512	423	94	NE	2	0	493	381	1014	330	Clouds ex. fine
6	342	440	74	N	2	78		215	370	49	N	5	78	483	361	1045	345	Cloudy - fair. cold wind. V. dry
7	159	382	62	N	4		017	289	350	72	N	4		406	340	920	320	Cloudy cold wind. fair *
8	29 424	350	67	N	4	7	480	859	305	68	NE	3		378	274	1005	261	Snowfall * squally. cold
9	29 875	310	85	NE	3	10	060	904	312	83	NE	3		346	264	1132	257	6 in * on ground. No sun. Y. cold
10	860	303	95	NE	3	3	043	865	323	74	NE	3		353	247	1033	250	* (showing) V. cloudy. Cold
11	861	403	67	NW	2	3	047	795	400	75	NW	1		449	300	1093	262	* fine. cloudy. milder
12	906	392	66	N	3	10	047	795	398	64	NE	2		439	335	950	275	* Cloudy. V. fine. dry
13	30 181	392	82	W	2	10	005	306	383	95	NW	3		480	373	1016	367	* V. cloudy - fair wet night
14	29 872	431	97	NW	2	3	255	697	420	94	NW	3		420	340	804	310	* fair overcast shower
15	29 545	399	93	NW	2	10	030	704	353	69	NE	3		457	305	974	259	* V. cloudy overcast sun
16	750	345	80	NW	3	5	090	742	401	75	NW	3		482	343	1144	311	* cloudy. fine
17	1427	431	79	NW	3	10	260	669	413	86	NW	3		421	352	782	301	* fair w. cloudy
18	692	400	66	SE	1	3	002	763	363	88	NE	2		436	344	870	300	* gloomy fair, fine. night
19	760	420	66	N	3	8	255	779	422	80	N	2		429	379	776	370	* fair. gloomy. wet night
20	169	343	92	NW	3	10	150	549	426	99	NE	0		488	401	1026	385	* V. gloomy. milder. breeze
21	509	420	87	N	2	9	668	430	433	83	NE	3		430	348	862	350	* fine. cloudy. fair
22	878	380	84	NE	2	10	953	372	72	NE	7			378	291	1005	272	* gloomy. cold wind. shower night
23	950	323	84	NE	2	3	383	366	170	NE	3			458	322	1075	251	* V. cold. fine. clear night
24	30 844	413	62	NE	2	1	003	294	360	76	NW	0		424	329	1024	270	* V. fine. cold. bright night
25	29 865	392	75	NE	2	10	048	640	390	71	NW	1		497	340	1104	292	* gloomy. fine. cold. bright night
26	387	480	66	NW	2	4	128	455	382	82	NW	2		437	327	1023	270	* fine. cold. wind
27	537	495	76	NW	2	7	033	467	382	80	NW	1		489	343	1132	269	* cloudy. fine. bright night
28	30 164	437	66	NW	2	9	078	298	460	79	N	0		478	347	1128	287	* cloudy. fine. calm night
29	177	426	74	SE	3	10	019	791	426	93	NW	2		538	426	1085	362	* Cloudy. overcast. fair. squally
30	29 520	480	95	N	3	10	019	791	426	93	NW	1		510	390	978	331	* overcast fair, fine
31	29 958	470	72	NE	2	7	30164	430	84	NE	2							* Cloudy. fine
	29 963	408	765		27	68	2691	29974	391	786		2.5	4.9	450	346	990	308	



REYNOLD'S GOUT SPECIFIC.

REYNOLD'S GOUT SPECIFIC.

Days of Week.	At 9 a.m. Local Time.				Amount of Rain. inches.	Barometer reduced to 32° and S. L.	Hygrometer.		Wind.		Cloud, 0-10.	S. R. Thermometers reset at 9 p.m. daily.				Height of Rain Gauge above ground, 4 feet.	Height of Thermometers above ground, 4 feet.	Lat. 49° 11' 20" N., Long. 2° 9' 48" W.		
	Days of Month.	Barometer reduced to 32° and S. L.	Dry Bulb.	Humidity 0-100			Direction.	Force, 0-10.	Max. in shade.	Min. in shade.		Max. in sun.	Min. on grass.							
1 S	1	ins.	49.5	60	E	5	80.281	50.0	72	E	5	0	53.3	39.9	104.3	83.8	Dew, s. halo, fine, cloudy, fine night.			
2 M	2	148	49.2	78	E	1	336	53.3	83	E	2	7	58.8	42.7	105.7	88.0	Clouds, mild, extremely fine, calm.			
3 W	3	237	53.6	77	E	0	316	52.5	82	N.E.	1	0	64.0	45.4	114.3	40.9	Dew, calm, warm, extremely fine.			
4 T	4	338	51.3	89	N.W.	0	281	49.0	98	N.W.	0	0	60.8	47.0	118.3	44.0	Cloudy, extremely fine, calm, dew.			
5 F	5	307	48.3	95	N.W.	1	375	45.5	97	N.W.	0	0	60.2	42.0	87.0	37.6	Fog, fair, overcast, dew fine.			
6 S	6	456	48.3	90	N.W.	10	563	48.8	76	N.E.	4	0	48.8	42.4	81.6	87.4	Dew, overcast, cold wind, fine.			
7 S	7	593	47.3	70	N.W.	8	489	44.0	71	N.E.	2	1	60.9	39.5	110.3	83.2	Dew, very fine, cold wind.			
8 S	8	496	48.5	67	N.W.	3	377	43.3	76	N.	2	0	51.9	39.3	103.3	86.8	Extremely fine and bright, cold breeze.			
9 S	9	425	50.0	63	N.W.	2	459	40.3	67	N.	0	0	54.0	41.0	109.4	86.7	Cloudless, extremely fine, breeze.			
10 M	10	438	49.5	66	N.W.	3	368	45.3	69	N.W.	0	0	54.8	39.4	112.7	82.4	Very dry, extremely fine, cloudy, calm.			
11 W	11	247	50.5	69	N.W.	3	328	47.0	92	N.E.	1	10	53.9	38.8	109.9	82.5	Dew, extremely fine, s. halo, overcast.			
12 T	12	293	48.9	62	N.W.	2	293	43.8	92	N.E.	2	9	54.7	44.3	109.4	81.3	Misty, extremely fine, cloudy night.			
13 F	13	340	50.2	77	N.W.	2	389	44.4	92	N.E.	2	7	50.4	41.2	118.3	83.3	Clear, fair, s. halo, very cloudy, fair.			
14 S	14	306	52.3	60	N.W.	2	216	44.6	88	W.	2	2	56.3	41.6	124.3	86.9	Very fine, cloudy, overcast, dew, calm.			
15 S	15	170	54.1	73	N.W.	2	216	44.6	88	W.	0	0	57.7	43.5	118.3	84.1	Dew, hot sun, cloudy, fine.			
16 M	16	174	50.1	85	N.W.	2	293	50.0	69	S.W.	2	8	54.8	41.0	110.4	81.9	Shows, clouds, extremely fine, calm, dew, s. halo.			
17 W	17	293	50.0	85	N.W.	2	308	45.3	94	S.W.	2	10	57.7	45.1	108.0	89.4	Dew, cloudy, extremely fine, calm.			
18 T	18	384	47.1	89	N.W.	2	940	44.3	92	S.W.	0	4	58.4	42.1	112.3	89.9	Overcast, fair, very cloudy, rain.			
19 F	19	80	54.0	68	N.	2	80	46.3	88	N.W.	0	4	58.4	42.1	112.3	89.9	Rain, cloudy, fine, s. halo, dew, calm.			
20 S	20	333	50.0	74	N.	2	239	44.0	78	N.W.	2	8	51.1	43.1	112.3	89.9	Heavy dew, clouds, extremely fine, calm.			
21 S	21	164	49.9	59	N.E.	8	216	45.1	88	N.E.	2	8	51.1	43.1	112.3	89.9	Dew, fine, very cloudy, cold breeze.			
22 S	22	293	48.5	74	N.E.	8	293	45.1	88	N.E.	2	8	51.1	43.1	112.3	89.9	Clouds, extremely fine, cold breeze.			
23 M	23	384	46.5	74	N.E.	8	293	45.1	88	N.E.	2	8	51.1	43.1	112.3	89.9	Shows, very cloudy, hail, cold breeze.			
24 T	24	331	40.0	68	N.W.	9	375	40.4	84	N.E.	2	5	49.7	38.6	114.4	86.9	Hail, snow, cold, heavy rain, fine night.			
25 W	25	749	46.3	74	S.W.	9	305	46.0	83	N.W.	2	9	52.0	37.2	109.8	82.0	Cloudy, fine, showers clear night.			
26 T	26	647	50.4	68	E.	4	456	57.5	61	S.E.	1	8	58.1	42.3	111.3	87.1	S. halo, fine, very cloudy, warm, dry evening.			
27 F	27	328	51.7	94	S.E.	3	437	50.1	84	S.E.	4	10	57.9	49.0	117.3	84.4	Shows, very cloudy, fair, dew.			
28 S	28	446	55.0	75	S.E.	2	468	53.7	76	S.E.	1	9	58.0	47.0	122.3	40.5	Bew, very fine, s. halo, cloudy.			
29 M	29	500	53.0	84	S.	3	740	46.5	86	S.W.	2	0	56.3	46.0	119.0	41.3	Cloudy, fair, s. halo, dew, fine night.			
30 W	30	764	51.3	71	S.W.	2	726	48.4	72	N.E.	2	5	54.7	44.3	123.7	89.9	Extremely fine, calm p.m., cloudy.			
31 T	31																			
												44.4	49.0	194.3	44.4	N.B.—The necessary corrections for "index error" have been applied to the instrumental readings.				
												31.0	33.0	81.6	31.0					
												110.4	43.0	110.4	37.3					


[illegible]

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29971	137	71	NE	1	7	29768	113	65	NE	3	8	548	440	1163	410	Cloudy-fair. (No drops) dry	
1867	477	77	NE	4	7	933	433	77	NE	1	0	530	433	1122	370	Cold wind, cloudy v. fine p.m.	
400	430	78	NE	3	10	886	427	73	NE	1	0	486	418	996	362	Gloomy cold. Calm for	
836	438	180	NE	2	10	888	420	70	NE	1	0	480	390	1104	326	Gloomy cold. Cold fine	
870	440	62	NE	2	7	888	408	80	NE	1	0	506	395	1136	338	Cloudy fine. Cold breeze	
869	443	90	NE	2	10	747	503	97	NE	0	10	537	397	1150	369	Overcast. V. cloudy. Calm, wet m.	
729	457	180	SE	2	4	703	502	86	SE	2	9	562	450	1145	420	Clouds fine calm wet night	
624	471	92	SE	2	10	592	432	97	NE	1	0	507	429	1020	400	Gloomy fair. Fine	
521	480	186	SE	3	9	464	425	84	W	2	7	533	391	1156	345	Cloudy cold. Specially show	
633	470	79	SE	1	9	453	412	76	NW	2	2	518	401	1170	375	Cold cloudy fair	
50073	510	67	NW	3	7	110	30073	494	84	SW	3	0	531	413	1136	355	Cloudy fair gloomy
004	530	86	W	4	10	067	534	84		3	0	569	481	990	449	Gloomy fair fine	
067	518	78	SE	2	0	140	29975	533	0	0	7	673	483	1163	437	Ext. fine. Warm. Calm	
29978	530	96	SW	1	10	090	30010	531	92	0	10	573	503	890	466	Gloomy sunless mild calm	
50111	544	92	NE	0	10	040	134	77	N	3	7	602	508	1195	460	Gloomy fine cloudy	
191	642	71	SE	3	7	264	572	69	E	4	0	680	540	1248	506	Breeze. Clouds v. fine warm	
528	623	161	E	3	0	333	544	48	E	2	2	675	517	1218	483	Ext. fine. Here v. dry	
323	630	40	E	1	12	295	555	83	SE	1	1	660	505	1180	430	U. dry a.m. - Ext. fine	
183	598	67	SE	2	9	138	504	95	NE	2	1	620	475	1252	433	Ext. fine. Clouds, Calm	
110	582	77	SE	0	6	131	523	83	SE	1	7	627	479	1240	440	Calms cloudy. Ext. fine clear	
183	601	71	SE	2	4	108	552	74	SE	1	7	661	493	1272	449	Clouds fair. Ext. fine	
211	612	71	SE	1	4	230	555	76	SW	0	1	713	509	1260	460	Perfect weather. Calm	
269	612	66	SE	1	0	267	563	97	SW	1	10	707	491	1244	431	Cloudless to p.m. dawns, no wind	
235	572	83	N	2	10	140	530	86	N	1	1	624	500	1128	481	in overcast fair to fine m.	
29460	604	74	SE	1	9	7229	766	79	SW	0	9	657	515	1233	477	Ext. fine calm	
30038	540	95	SW	1	10	580	589	91	SW	1	10	615	518	1000	496	Gloomy. V. cloudy fair	
150	539	76	W	1	6	30	129	85	NE	1	0	640	494	1206	383	Clouds cool. Ext. fine	
114	590	65	SE	2	1	127	431	75	NW	1	1	648	457	1165	387	Clouds extreme	
114	590	80	SE	2	10	201	512	43	NW	1	9	624	501	1168	423	Overcast gloomy fair	
274	560	45	NE	1	8	323	500	92	NW	0	0	610	498	1240	418	Cloudy extreme calm	
299	600	67	SE	1	0	180	571	72	NE	2	9	622	490	1167	394	A extreme cloudy evening	
30010	547	754		1.8	6.6	2.464	50022	506		1.8	4.5	597	467	1152	419		

1881  
  
WIND

METEOROLOGICAL OBSERVATIONS TAKEN AT ST. AUBIN'S, JERSEY, DURING JUNE, 1883.  
BY J. E. VIBERT, M.A.

Days of Week.	Days of Month.	At 9 a.m. Local Time.				At 9 p.m. Local Time.				S. R. Thermometers reset at 9 p.m. daily.			
		Hygrometer.		Wind.	Amount of rain inches.	Hygrometer.		Wind.	Cloud, 0-10.	Max. in shade.	Min. in shade.	Max. in sun.	Min. on grass.
		Dry Bulb.	Humidity 0-100.			Dry Bulb.	Humidity 0-100.						
		Barometer reduced to 32° and 30 in.		Force, 0-12.		Barometer reduced to 32° and 30 in.		Force, 0-12.					
S F	1	80.091	79	S.E.	9	80.112	89	N.E.	7	86.2	51.8	133.3	44.0
S	2	80.142	69	S.E.	2	80.130	77	N.E.	0	88.3	50.4	131.5	44.3
S	3	80.083	66	S.E.	0	79.986	91	S.E.	10	86.5	54.1	119.0	50.5
M	4	29.908	91	S.E.	10	79.9	80	S.E.	8	67.9	54.0	127.3	52.0
T	5	80.172	75	E.	4	77.8	87	E.	3	86.4	56.3	123.0	52.4
W	6	80.172	87		0	82.9	98		0	80.0	58.1	92.3	51.8
W	7	80.172	87		0	81.0	96		0	84.1	50.1	127.3	48.3
F	8	80.4	83	S.E.	10	86.8	98	S.	10	85.7	50.7	122.4	47.0
S	9	80.900	96		0	86.5	98		0	80.8	54.8	122.0	52.0
S	10	80.979	82	N.W.	7	80.026	89	N.	6	66.9	51.3	128.8	49.6
M	11	80.133	73	N.E.	3	80.271	89	N.E.	8	60.9	54.0	129.0	50.1
T	12	80.868	69	S.E.	6	80.415	71	S.E.	2	68.3	53.1	124.0	48.4
W	13	80.446	66	E.	1	80.420	83	S.W.	0	73.2	54.2	124.8	48.5
W	14	80.361	64	S.E.	1	80.261	77	S.W.	2	60.7	51.2	123.5	47.0
F	15	80.799	82	S.W.	9	80.971	77	W.	2	61.2	48.8	122.4	41.2
F	16	80.799	82	S.W.	8	80.043	79	N.W.	1	62.8	46.1	123.0	36.0
S	17	80.998	78	N.W.	4	80.14	79	N.W.	1	62.8	46.1	123.0	36.0
S	18	80.063	60.1	N.W.	2	80.016	83	W.	2	62.3	50.1	121.0	42.7
M	19	80.085	68	N.	2	80.019	83	W.	2	63.1	50.0	123.6	44.0
T	20	80.028	61.8	N.	2	80.026	82	W.	9	59.0	52.0	123.6	44.0
W	21	80.977	82	S.W.	1	80.026	82	W.	0	65.9	51.1	127.2	43.7
F	22	80.133	81	N.W.	8	80.124	91	W.	0	65.9	51.1	127.2	43.7
S	23	80.101	85	W.	10	80.104	97	W.	0	68.1	56.2	104.5	55.0
S	24	80.040	87	S.E.	1	79.946	82	W.	0	70.7	58.5	124.0	52.0
M	25	80.914	87	S.W.	10	80.021	84	W.	0	63.4	52.5	117.6	49.0
T	26	80.921	75	W.	4	80.021	82	W.	3	63.7	52.3	125.3	47.8
W	27	80.015	60.5	S.W.	2	80.978	82	S.W.	2	65.0	55.2	119.2	51.5
W	28	80.020	62.2	S.W.	10	80.080	83	S.W.	1	70.7	58.1	128.0	58.8
F	29	80.015	68	W.	1	80.998	90	E.	9	78.9	57.2	130.1	50.8
S	30	80.180	81	W.	2	80.153	79	W.	8	60.0	55.2	130.5	53.3
Highest		80.446	96	E & S	4	80.133	98	W & S	10	78.9	58.1	133.3	55.0
Lowest		29.727	54	entries	0	5th 8a.	71	entries	0	59.0	48.1	92.8	35.0
Means		80.030	77.1	28	8.0	80.037	86.3	21	6.1	65.4	52.8	122.1	48.0

REMARKS.—Weather often unsettled but fine on the whole; in many respects an average month. Barometer: mean, 30.083, i.e. 0.017 too high; range 0.719, i.e. 0.013 too low; the highest on the 8th exceeds the maximum of 8 years. Temperature: range 87° 3 or 5° 1 too high: mean, 69° 1 (the highest since 1878) or 6° 4 too high; the mean was too high on 16 days; for the 29th, the warmest day, it was 68° 1 i.e. 6° 7 too high; for the 17th, the coldest day, it was 64° 2 i.e. 4° 2 too low: the mornings were warmer, the evenings colder than the average. Rainfall, maximum 0.260 which fell in about 5½ hours on the 8th-9th; amount for the month 17 per cent. too low. Mean temperature of sea near shore a.m. 66° 4 i.e. 0° 6 too low. Mean of solar maxima 1° 3 too high. Bright sunshine: total record 246.3 hours, or 50 per cent. of the possible amount, and 89° 3 hours in excess of the average of the last 3 years; a full record on 1 day, no record on 1 day; brightest week that ending 17th with a record of 88° 4 hours, gloomiest that ending the 10th, with a record of 86° 0 hours, the brightest hour was that from 8 to 6 with a record of 20° 3 hours. Wheat in ear on the 19th, in flower on the 18th. Thunderstorm and great range of temperature on 29th.

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# METEOROLOGICAL OBSERVATIONS TAKEN AT ST AUBIN'S, JERSEY, DURING JULY, 1883. BY J. E. VIBERT, M.A.

Days of Week.		At 9 a.m. Local Time.				At 9 p.m. Local Time.				S. R. Thermometers reset at 9 p.m. daily.				Lat. 49° 11' 20" N., Long. 2° 9' 43" W.		Height of Barometer clstern above mean sea level, 126 feet.	Height of Thermometers above ground, 4 feet.	Height of Rain Gauge above ground, 1 foot.
Days of Month.		Hygrometer.		Wind.	Amount of rain in inches.	Barometer reduced to 32° and corrected for altitude.	Hygrometer.		Wind.	Cloud, 0-10.	Max. in shade.	Min. in shade.	Max. in sun.	Min. on grass.				
		Dry Bulb.	Humidity 0-100				Dry Bulb.	Humidity 0-100										Direction.
S	1	80.157	78	S.	7	80.187	71	N.W.	0	8	68.5	56.4	129.3	52.0		Cloudy, extremely fine, warm night.		
M	2	80.078	58	S.E.	4	80.011	91	N.W.	2	4	77.9	60.3	180.4	55.2		Cloudy, hot, extremely fine, t. l., rain.		
T	3	29.992	80	N.W.	9	29.974	87	N.W.	1	9	69.8	57.1	132.2	55.0		Cloudy, much cooler, fine, overcast.		
W	4	918	72	S.W.	8	968	85	W.	2	8	66.5	54.3	126.0	49.1		Slight showers, very cloudy, fair.		
Th	5	978	79	S.W.	9	948	82		0	10	66.0	54.8	120.4	50.2		Very cloudy, fair, calm night.		
F	6	882	65	W.	2	906	88	S.	0	9	70.7	58.0	130.3	55.0		Cloudy, very fine, slight rain.		
S	7	987	74	S.	8	963	82		0	5	69.9	56.2	126.8	53.2		Cloudy, extremely fine, calm night.		
M	8	959	72	S.E.	2	882	88	S.	8	9	67.8	58.8	121.0	56.0		Very fine, overcast, showers.		
T	9	989	75	S.W.	8	8055	85		0	8	69.1	57.3	126.5	53.4		Breeze, very cloudy, fine, calm, showers.		
W	10	30.080	74	W.	4	29.964	85		0	10	69.8	56.0	125.7	53.2		Very fine, a. halo, overcast, calm.		
Th	11	29.801	80	S.W.	8	803	78	S.W.	4	8	70.0	58.5	130.0	56.5		Very cloudy, showers, fair, breeze.		
F	12	785	94	S.W.	2	709	93	S.W.	8	9	68.3	55.5	79.3	54.8		Rain, heavy showers, cloudy, fair.		
S	13	834	80	S.W.	8	882	87	S.W.	2	8	66.8	56.0	122.4	53.1		Cloudy, very fine day, night dull.		
M	14	856	79	W.	7	952	85	S.	8	2	64.9	54.5	128.3	51.8		Cloudy, fine, showers, fair.		
T	15	969	72	S.W.	1	80.121	78	W.	1	8	60.8	49.2	124.2	47.1		Heavy showers, cloudy, fine, clear.		
W	16	892	74	W.	2	123	86	W.	8	10	65.8	50.3	122.2	45.1		Showers, cloudy, fair, breeze.		
Th	17	299	78	W.	2	199	81	W.	8	7	64.8	54.7	125.4	52.0		Overcast, very cloudy, fair, showers.		
M	18	098	82	W.	3	194	96	W.	1	10	64.0	56.2	113.7	54.3		Rain, very cloudy, gloomy, wet night.		
T	19	909	91	W.	0	29.868	92	W.	1	9	64.3	53.1	114.0	54.1		Drizzle, calm, very cloudy, gloomy, fair.		
W	20	804	86	W.	2	762	93	W.	1	9	63.8	56.8	103.8	53.8		Overcast, gloomy, fair, showers.		
Th	21	798	92	W.	8	898	80	W.	3	1	64.2	54.4	120.0	50.9		Showers, breeze, cloudy, fine evening.		
M	22	30.010	78	N.W.	8	80.076	80	N.W.	2	9	64.0	53.0	124.0	49.0		Hail, heavy showers, fine, cloudy, wet night.		
T	23	29.979	85	W.	7	29.928	90	S.W.	8	10	60.3	51.7	103.8	50.0		Rain, heavy showers, gloomy, fair.		
W	24	842	79	W.	8	30.032	87	N.W.	2	0	63.5	55.1	120.0	51.3		Showers, cloudy, fine p.m., cold wind.		
Th	25	80.096	61	W.	3	160	93	N.W.	2	1	64.0	53.2	124.3	48.3		Very cloudy, breeze, fine night, dew.		
F	26	138	66	N.W.	1	229	90	N.E.	0	7	67.7	51.0	128.3	45.2		Dew, cloudy, clear, extremely fine, calm.		
S	27	211	71	N.E.	1	221	82	N.W.	2	7	68.0	53.4	119.0	47.3		Dew, hazy, extremely fine, clouds.		
M	28	228	60	N.E.	2	192	89	N.W.	1	3	68.2	55.0	121.6	52.0		Dew, hazy, extremely fine, clouds.		
T	29	076	87	W.	2	29.885	90	S.W.	3	0	67.3	54.0	102.6	49.0		Dew, gloomy, fair, showers.		
W	30	998	94	S.W.	1	728	87	W.	1	6	67.0	55.2	130.2	54.1		Rain, very cloudy, fair, dew, showers.		
Th	31	801	87	S.W.	1	979	94	W.	2	9	67.3	56.4	128.5	54.0		Rain, fair, fine, very cloudy.		
Highest		80.386	73.0	E & S	3	80.168	86.4	W & S	4	10	77.9	60.3	132.2	56.5		N.B.—The necessary corrections for "index error" have been applied to the instrumental readings.		
Lowest		29.540	57.0	entries	0	0.003	4p.	entries	0	0	60.3	49.2	79.3	45.1				
Means		29.983	62.1	14	3.1	7.0	3.478	29.991	41	1.7	6.8	55.1	121.1	51.8				

REMARKS.—Weather very unsettled; clouds 16 per cent. too much, rainfall 32 per cent. too great; rainy days 6 more than usual. Barometer: mean, 29.986, i.e. 0.065 too low; range 0.796, or 0.037 too low. Temperature: range 28.7 or 0.4 too low; mean, 60.3 or 1.4 too low; all the elements of temperature were below the average; the mean was too low on 22 days; for the 2nd, the warmest day, it was 89° i.e. 7° too high; for the 15th, the coldest day, it was 55° i.e. 5° too low; July 16th, 1878, with a mean of 64.6 is the only instance of a colder day in July at this station. Rainfall, maximum 0.880 which fell in about seven hours on the 12th; on the 22nd, at 1.70 a.m. a quarter of an inch fell in ten minutes; half also fell for the first time in July since 1876. Mean temperature of sea near shore a.m. 60° i.e. 0.5° too low. Bright sunshine: total about 329.8 hours, or 46 per cent. of the possible amount; full record on no day, no day absolutely sunless, but on six days the record was less than that of 1878. The gloomiest day was the 20th with a record of seven minutes; the brightest that ending the 25th with 67.9 hours. Winds generally light; heavy days after the 23rd.

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BY J. E. VIBERT, M.A.

REMARKS.—On the whole a very fine August, no extremes of temperature, dry, twelve beautiful summer days. Wind force 30 per cent lower than usual. Barometer : mean, 30.134, i.e. 0.145 too low ; range 28.7 or 8.3 too low ; mean, 68.9 or .071 too high ; the nights were rather colder, the days warmer than the average ; the mean was 60. low on 17 days ; for the 22nd, the warmest day, it was 68.5 i.e. 8.5 too high ; for the 10th, the coldest day, it was 59.3 i.e. 4.8 too low. Solar maxima the highest this year and 1.8 too high : Rainfall, maximum 0.720 which fell in about twelve hours on the 8th, 9th ; the total for the month is only 56 per cent. of the average. Mean temperature of sea near shore 57.6 i.e. 1.9° too low. Solar halo observed four times. (near noon) Bright sunshine: total record 240.9 hours, or 64 per cent. of the possible amount ; full record on one day ; brightest week this ending the 29th with 69 hours, goodliest that ending the 51st with 41.5 hours ; the brightest hour of the day was from noon to 1 p.m., with a total of 26.1 out of 51 hours. Wheat harvest on the 18th, twelve days later than usual ; great number of heavy dews.

**METEOROLOGICAL OBSERVATIONS TAKEN AT ST. AUBIN'S, JERSEY, DURING SEPTEMBER, 1883.**  
BY J. E. VIBERT, M.A.

Days of Week.	Days of Month.	At 9 a.m. Local Time.				At 9 p.m. Local Time.				18. H. Thermometers reset at 9 p.m. daily.				Height of Rain Gauge above ground, 1 foot.	Height of Thermometers above ground, 4 feet.	Height of Barometer cistern above mean sea level, 125 feet.	Lat. 49° 11' 20" N., Long. 2° 9' 43" W.			
		Hygrometer.		Wind.	Amount of rain inches.	Barometer reduced to 82° and 30.113	Dry Bulb.	Humidity 0-100	Wind.		Cloud, 0-10.	Max. in shade.	Min. in shade.					Max. in sun.	Min. on grass.	
		Dry Bulb.	Humidity 0-100						Direction.	Force, 0-12.										
S	1	ins.	29.664	61.1	76	S.	9	0.033	ins.	29.178	61.0	79	S.	7	5	63.3	55.0	105.0	50.6	Very cloudy, fair, showers, gale.
S	2	28.958	58.6	87	87	S.W.	7	.380	.360	29.178	58.3	84	S.W.	7	9	62.0	56.9	82.0	55.1	Gale, showers, overcast, squalls.
S	3	29.670	57.9	80	80	W.	8		.776	29.178	55.6	77	W.	1	9	65.0	58.4	119.5	49.0	Squally, cloudy, fair, fine.
M	4	.64	64.0	61	61	N.W.	8	.480	.914	30.113	54.1	89	W.	4	10	66.1	58.0	125.5	47.0	Cloudy, fine, cold wind, wet squally night.
T	5	.990	57.2	74	74	N.W.	8		30.113	54.0	88	88	W.	0	0	62.2	52.2	119.0	48.6	Rain, cloudy, very fine, dew, calm.
W	6	30.156	57.4	78	78	W.	2	.057	.062	30.113	57.0	93	N.W.	2	4	58.8	51.0	86.5	48.6	Dew, gloomy, drizzle, showers, fair.
T	7	80.166	57.9	76	76	W.	2		.094	30.113	57.0	93	W.	2	0	64.4	54.1	121.3	49.8	Very cloudy, fair, overcast, gloomy.
S	8	.060	58.0	87	87	S.W.	2	.024	.168	30.113	55.0	92	W.	0	0	64.4	55.0	110.6	47.0	Gloomy, drizzle, fair, dew, calm.
F	9	.178	59.0	87	87	S.W.	2	.030	.168	30.113	55.0	92	W.	0	0	64.4	55.0	110.6	47.0	Dew, very cloudy, fair, fine.
S	10	29.968	60.2	88	88	S.	2	.396	29.968	60.2	59.2	97	N.W.	2	10	61.7	53.3	70.4	55.2	Showers, rain, very gloomy, fair.
M	11	30.108	60.0	71	71	N.W.	2	.140	30.108	60.0	59.2	97	N.W.	2	10	61.7	53.3	70.4	55.2	Drizzle, gloomy, drizzle, rain.
T	12	.205	57.0	96	96	N.	2		.222	30.108	56.6	86	N.	0	10	62.2	55.0	107.3	51.8	Fine, gloomy, drizzle, rain.
W	13	.113	61.0	82	82	N.E.	2	.001	.189	30.108	59.0	91	N.E.	2	0	67.5	56.0	118.6	50.8	Drizzle, gloomy, fine, overcast.
F	14	.237	64.5	77	77	N.E.	2	.160	.222	30.108	59.0	91	N.E.	2	0	67.5	56.0	118.6	50.8	Fog, clouds, warm, extremely fine.
T	15	.116	61.0	82	82	N.E.	2	.001	.189	30.108	59.0	91	N.E.	2	0	67.5	56.0	118.6	50.8	Gloomy, fair, very fine, dew.
S	16	29.985	60.4	88	88	E.	1	.160	.222	30.108	59.0	91	N.E.	2	0	67.5	56.0	118.6	50.8	Dew, fog, warm, extremely fine.
O	17	30.147	62.8	94	94	E.	0	.004	.222	30.108	59.0	93	N.	0	9	74.2	57.2	119.5	53.0	Thunder, showers, extremely fine, calm.
S	18	.221	63.8	83	83	E.	1	.100	.222	30.108	62.0	88	E.	0	5	64.8	57.3	106.4	53.4	Fog, gloomy, calm, fair, dew.
W	19	.116	66.0	94	94	S.W.	8	.077	.222	30.108	62.0	88	S.W.	4	9	67.3	58.0	120.3	52.0	Dew, clouds, calm, extremely fine.
F	20	29.789	62.0	94	94	S.W.	8	.077	.819	29.886	66.5	85	S.W.	2	10	69.2	60.0	120.6	55.6	Cloudy, extremely fine, very warm, dry.
T	21	.817	68.0	77	77	S.W.	8	.638	.761	29.886	60.0	87	S.W.	2	10	69.2	60.0	120.6	55.6	Showers, cloudy, fine at times.
S	22	.726	64.6	70	70	N.E.	1	.002	.966	30.042	60.5	92	S.	8	10	70.4	66.7	121.2	52.3	Showers, fine a.m., gloomy, rain.
M	23	30.110	60.2	82	82	W.	1	.9	80.042	60.5	62.0	90	S.W.	8	10	66.7	58.7	118.3	53.2	Heavy rain, clear, extremely fine, calm.
W	24	29.793	61.3	96	96	S.W.	4	.320	29.890	62.0	60.2	93	S.W.	2	10	68.2	57.8	119.7	57.4	Few, fine, a. halo, overcast, rain.
T	25	.960	61.8	95	95	S.W.	2	.081	30.002	60.2	60.2	93	S.	4	7	68.8	58.2	118.1	53.4	Heavy showers, cloudy, fair, dew.
W	26	.886	61.8	93	93	S.W.	4	.080	29.985	69.0	69.0	76	S.W.	8	9	68.0	58.2	100.0	56.5	Showers, gloomy, breeze, fair.
F	27	.874	60.4	74	74	S.W.	5	.185	.897	57.5	57.5	84	N.W.	8	9	63.0	55.8	117.6	53.0	Showers day fine, cloudy, rain squalls.
T	28	.909	58.3	74	74	W.	2	.710	.579	59.0	59.0	97	S.W.	7	10	61.7	54.0	106.7	51.2	Showers, fair, gloomy, heavy rain, gale.
S	29	.531	55.9	65	65	W.	4	.630	.370	52.0	52.0	93	N.W.	7	8	59.0	49.9	114.6	46.0	Showers, fair, heavy rain squalls.
S	30	.493	54.2	80	80	N.W.	4	.030	.667	53.3	53.3	74	N.	8	8	53.8	50.8	104.4	48.1	Showers, very cloudy, gloomy, fair.
Highest		30.243	66.3	96	96	E & S.	7	0.753	17th 9p.	66.5	66.5	97	W & S.	7	10	74.3	60.0	137.5	57.4	N.B.—The necessary corrections for "index error" have been applied to the instrumental readings.
Lowest		28.958	54.2	61	61	entries	0	.024	2nd 9a.	53.0	53.0	85	entries	0	0	53.8	49.9	70.4	43.6	
Means		29.943	60.3	81.4	81.4	23	3.6	8.0	5.11	29.938	58.4	86.6	27	12.3	6.3	65.1	56.4	111.3	61.4	

REMARKS.—Several fine days but in general unsettled, cloudy and very wet. Barometer : mean 29.928 i.e. 0.099 too low ; range 1.288, or 8.306 too great ; the reading on the 2nd was the lowest in September since 1876. Temperature : range 24.4 i.e. 0.9 too low ; mean : 60.2 the average ; the mean was too high on 16 days ; for the 19th, the warmest day, it was 65.9 i.e. 6.8 too high ; for the 29th, the coldest day, it was 64.6 i.e. 3.1 too low ; the nights were warmer, the days colder than usual ; solar maxima 82.4 too low. Rainfall, maximum 0.768 which fell in about nine hours on the 23rd-24th ; total for the month 45 per cent. too high. Mean temperature of sea near shore a.m. 60.8 i.e. 0.8 too low. Amount of cloud 28 per cent. above the average. Bright sunshine : total record 187.8 hours, or 88 per cent. of the possible amount ; two days sunless, full record on no day ; the gloomiest week was that ending the 12th with a record of 17.5 hours, the brightest that ending the 19th with 44.7 hours ; this brightest hour was from noon to 1 p.m. with a record of 16.8 hours. The gale of September 1st 2nd was similar in its effects to that of April 29th, 1882, but much more destructive. Vegetation was burnt and withered and the leaves of trees and shrubs have since fallen or though in autumn ; new leaves have appeared in many instances as in early spring.



of the explosion, and ne directed all the upper ground operations. Mrs. McAlpine also

or the best got up linen, a exhibition, used Reckitt's

METEOROLOGICAL OBSERVATIONS TAKEN AT ST. AUBIN'S, JERSEY, DURING OCTOBER, 1883.

Days of Week.	At 9 a.m. Local Time.				At 9 p.m. Local Time.				S. R. Thermometers reset at 9 p.m. daily.				Lat. 49° 11' 20" N., Long. 2° 9' 45" W.	Height of Barometer cistern above mean sea level, 125 feet.	Height of Thermometers above ground, 4 feet.	Height of Rain Gauge above ground, 1 foot.			
	Barometer reduced to 32° F.	Dry Bulb.	Humidity 0-100	Wind.	Amount of rain in inches.	Barometer reduced to 32° F.	Dry Bulb.	Humidity 0-100	Wind.	Max. in shade.	Min. in shade.	Max. in sun.					Min. on grass.		
1	29.786	52.4	78	N.	2	9	0.038	ins.	51.5	65	N.	8	5	53.7	49.1	95.5	46.8	Showers, very, cloudy, fair, cold wind. Very dry a.m., cloudy, fine, rain. Gloomy, squally, heavy rain, fair. Showers, breeze, cloudy, fair. Gloomy, fair, very cloudy, shower. Rain, cloudy, breeze, extremely fine. Very cloudy, fine, mild, calm. Gloomy a.m., calm, extremely fine, dew. Dews, extremely fine, calm. Heavy dew, fine, calm, very cloudy. Dew, fine, very gloomy, calm. Dews, cloudy, calm, extremely fine. Dews, extremely fine, cloudy, very clear. Cloudy, rain, squally, overcast, fair. Showers, breeze, fine, gale, rain. Squally, showers, fair, clear night, dew. Squally, showers, sunless, fair. Fine, showers, evening very cloudy. Rain, strong breeze, sunless, fair. Showers, gloomy, sunless, fair. Showers, heavy rain, fine, calm, dew. Showers, day fine, evening cloudy. Showers, gloomy, squally evening. Showers, drizzling rain, gloomy. Drizzle, mild, very cloudy, fair. Very cloudy, slight showers, mild fair. Dews, a halo, fine, calm, cloudy, fog. Fog, overcast, cloudy, fine, dew, calm. Dew, fine a.m., fog from 11 a.m. Fog, very cloudy, overcast, fair. Foggy, fair, very gloomy, cold.	N.B.—The necessary corrections for "index error" have been applied to the instrumental readings.
2	30.107	55.0	59	N.	8	3	.250	29.978	53.0	74	N.	2	7	56.8	47.2	113.4	43.7		
3	29.934	53.7	88	N.	8	10	.440	29.967	49.8	75	N.W.	3	7	55.7	46.6	78.6	44.1		
4	.782	51.0	80	N.W.	3	9	.024	30.028	54.2	63	N.E.	8	8	57.9	48.0	110.0	42.8		
5	30.217	52.3	65	N.	2	10	.200	.203	53.0	80	N.W.	3	8	56.2	49.8	90.0	46.0		
6	.199	53.4	67	N.E.	3	8		.406	53.8	75	N.E.	2	2	56.7	46.1	108.0	40.2		
7	.510	56.0	74	N.E.	3	9		.533	52.3	78	N.E.	0	0	59.2	50.2	109.7	44.8		
8	.569	55.9	76	E.	1	10		.544	53.0	90		0	0	60.3	51.5	101.5	45.6		
9	.455	60.0	64	E.	1	0	.002	.273	52.9	88		0	1	62.9	48.9	107.3	41.0		
10	.094	59.7	72	E.	0	1		29.967	53.2	73		0	9	61.0	48.4	111.0	43.8		
11	29.928	59.0	75	N.	1	3		30.009	53.2	86		0	9	61.7	49.0	99.3	43.7		
12	30.074	58.0	74	N.	0	7		.097	53.8	94		0	3	62.2	49.0	109.7	43.0		
13	.098	60.3	70	S.	2	8	.003	.030	56.4	85	S.	3	2	64.3	52.1	110.7	47.4		
14	29.978	55.0	87	S.	4	10	.618	29.799	56.0	97	W.	7	10	57.8	54.0	86.0	52.0		
15	.920	55.5	73	S.W.	5	2	.123	.732	56.2	75	R.	2	10	58.8	48.9	106.3	46.0		
16	.602	58.0	76	S.W.	5	9	.017	.644	56.2	85	W.	3	1	60.9	53.6	109.6	50.3		
17	.734	57.0	75	W.	1	10	.048	.846	56.0	72	W.	4	9	59.5	54.5	80.7	50.3		
18	30.211	54.3	65	W.	3	8	.092	30.829	53.0	74	W.	3	9	60.7	51.0	109.0	46.0		
19	.082	52.2	93	S.	3	10	.280	29.961	56.2	83	W.	3	10	59.7	46.7	69.2	47.3		
20	29.885	52.0	81	W.	1	10	.886	.888	48.3	77	N.W.	2	2	55.2	45.7	60.4	40.1		
21	.956	52.2	74	W.	1	7	1.316	30.006	45.2	86	N.W.	0	1	52.5	44.3	94.4	36.9		
22	30.102	53.1	72	N.	2	2	.0166	.148	50.0	68	N.W.	1	9	57.2	48.8	111.1	37.1		
23	29.964	54.8	87	S.W.	4	10	.280	.294	56.2	97	W.	5	10	56.4	48.2	80.0	40.0		
24	.991	56.0	93	N.W.	2	10	.076	30.048	56.2	99	W.	8	10	57.7	53.5	72.8	52.7		
25	30.042	56.1	96	S.W.	4	10	.018	.116	56.0	87	S.W.	2	10	58.2	54.6	84.4	58.0		
26	.076	55.1	92		0	9	.003	.008	56.5	86	E.	1	10	56.8	53.0	76.7	52.9		
27	.103	59.4	91		0	6		.207	53.4	98		0	10	51.4	51.7	104.3	47.0		
28	.181	52.6	97	E.	3	10		.114	54.3	94	E.	0	0	58.7	51.1	101.4	47.2		
29	.188	55.0	86	E.	2	8		.300	52.4	98	E.	0	2	56.8	50.3	94.3	46.9		
30	.391	51.0	93	E.	3	10		.404	50.3	85	E.	8	10	55.8	49.0	100.2	49.0		
31	.324	47.4	83	E.	2	10		.213	47.0	86	E.	1	10	50.3	45.4	55.4	45.8		
Highest	30.569	60.3	97	E & S.	5	10	1.316	30.569	56.5	99	W & S.	7	10	64.3	54.6	113.4	53.0	N.B.—The necessary corrections for "index error" have been applied to the instrumental readings.	
Lowest	29.580	47.4	59	entries	0	0	0.003	16th 5a.	45.2	63	entries	0	0	50.3	43.3	55.4	36.9		
Means	30.078	55.0	79.2	27	2.2	7.0	4.368	30.088	53.1	83.0	23	3.0	5.8	58.1	49.7	94.7	45.6		

REMARKS.—The most noteworthy peculiarities of the month are the calm weather between the 6th and 18th, the remarkable rainfall on the 21st, the small range of temperature, and the number of gloomy hours. Barometer: mean 30.081, or 0.117 too high; range 0.989, or 0.258 too low. Fog on last five days of the month. Temperature: range 20.5, or 5.5 too low; mean: 53.9, or 0.4 too low; solar maxima 5.1 too low; shade maxima 0.9 too low; the mean was too high on 16 days; for the 13th, the warmest day, it was 84.2 i.e. 3.0 too low; for the 81st, the coldest day, it was 47.9 i.e. 3.0 too low; the 81st was the gloomiest day since the last day of January. Rainfall, maximum 1.816 which fell in about 3.6 hours on the 21st-22nd; amount for the month 0.169 in. too low. Mean temperature of sea near shore a.m. 56.1 i.e. 1.0 too low. Wind force 38 per cent. below the average. Bright sunshine: total record 101.5 hours, or 81 per cent. of the possible amount; full record on one day; no record on six days; on ten days the record was less than 8 hours; the brightest hour was from 2 to 3 p.m. with a total of 13.4 out of 31 hours; the gloomiest week was that ending the 29th with only 5.8 hours; the bright est that ending the 13th with 38.6 hours. Unusual frequency of heavy dew. Also in flower for the second time, strawberries ripening in the open air. Young leaves on trees and shrubs and similar phenomena are due not to any unreasonable mildness—the temperature being rather below the average—but to the efforts of vegetation to recover from the premature autumn caused by the gale of Sept. 1st-2nd.

Eastern 2, North Western and Midland & each. ducts." At 9 p.m. Local Time. At 9 a.m. Local Time.

METEOROLOGICAL OBSERVATIONS TAKEN AT ST. AUBIN'S, JERSEY, DURING NOVEMBER, 1883.  
BY J. E. VIBERT, M.A.

Days of Week.	Days of Month.	At 9 a.m. Local Time.				At 9 p.m. Local Time.				S. K. Thermometers reset at 9 p.m. daily.				Height of Barometer cistern above mean sea level, 125 feet.	Height of Thermometers above ground, 4 feet.	Height of Rain Gauge above ground, 1 foot.					
		Barometer reduced to 32° and in vac.	Dry Bulb.	Humidity 0-100	Wind. Direction.	Wind. Force, 0-12.	Cloud, 0-10.	Amount of rain in inches.	Barometer reduced to 32° and in vac.	Dry Bulb.	Humidity 0-100	Wind. Direction.	Wind. Force, 0-12.				Cloud, 0-10.	Max. in shade.	Min. in shade.	Max. in sun.	Min. on Grass.
L	1	30.232	45.4	98	N.E.	2	10	ins.	30.237	49.3	99	N.E.	2	10	50.9	43.0	59.0	41.0	Fog, overcast, sunless, gloomy.		
T	2	30.166	48.2	99	N.E.	2	10	0.002	30.064	50.4	93	0	10	50.6	47.0	67.4	47.7	Fog, overcast, sunless, calm.			
W	3	30.087	52.4	94	N.E.	0	9	0.078	29.852	49.1	76	N.W.	1	1	55.8	48.2	88.0	45.2	Calm, foggy, showers, fine evening.		
Th	4	29.886	51.3	72	S.W.	2	7	0.375	29.546	52.5	89	W.	2	8	64.2	44.0	81.4	37.8	Cloudy, squally, rain, fair.		
F	5	29.249	56.0	87	W.	2	10	0.275	29.070	48.0	84	S.W.	5	10	53.0	48.0	84.4	43.4	Showers, gloomy, sunless, squally, rain.		
S	6	30.622	50.0	86	W.	6	9	0.70	29.678	48.8	91	0	9	56.1	47.1	82.4	43.2	Gloomy, showers, squally, cloudy, calm.			
Sa	7	30.829	53.8	71	N.W.	2	8	0.290	30.187	48.3	91	W.	2	9	52.8	44.1	86.8	39.9	Calm, foggy, cloudy, showers.		
Su	8	30.888	54.0	86	S.W.	2	3	0.187	30.187	48.3	91	S.W.	6	9	57.0	44.0	102.0	39.5	Shower, cloudy, hail, fine sunset.		
M	9	30.785	45.5	74	N.W.	2	10	0.445	30.042	47.2	86	N.W.	2	6	57.4	46.5	98.4	39.5	Hail, thunderstorm, showers, fair, squally.		
T	10	30.984	48.6	78	N.W.	2	10	0.140	29.661	53.5	95	N.W.	3	5	48.8	42.0	83.2	39.5	Calm, sunless, gloomy, rain, cloudy.		
W	11	30.774	51.4	90	N.W.	2	10	0.658	29.661	53.5	96	W.	8	9	55.0	44.0	58.3	40.0	Calm, sunless, gloomy, rain, cloudy.		
Th	12	30.056	47.0	70	N.W.	2	10	0.060	30.942	48.3	96	N.	1	10	54.9	46.8	86.7	45.8	Overcast, gloomy, showers, fair.		
F	13	29.885	49.5	65	N.E.	1	0	0.219	30.212	46.8	68	N.E.	2	0	50.7	43.0	90.2	37.5	Shower, clouds, extremely fine.		
S	14	29.831	49.0	78	0	0	8	0.525	29.962	46.4	84	0	8	52.7	40.1	90.4	34.1	Dew, cloudy, dry, very gloomy, fair.			
Sa	15	29.831	49.0	92	0	10	0.060	29.993	42.4	83	84	S.W.	4	10	48.0	40.0	65.2	35.0	Calm, fog, gloomy, sunless, rain.		
Su	16	29.947	50.0	76	S.W.	3	8	0.140	30.058	48.5	68	N.W.	2	10	51.7	41.7	85.0	35.9	Rain, calm, very cloudy, showers, fine.		
M	17	30.094	51.0	80	W.	3	8	0.140	30.058	55.0	99	S.W.	3	10	56.0	42.2	105.0	35.9	Cloudy, showers, squally, overcast.		
T	18	30.185	51.0	80	W.	3	8	0.069	30.207	49.4	71	W.	3	8	57.9	45.1	104.2	40.8	Dew, calm, warm sun, drizzle.		
W	19	30.218	52.5	74	W.	5	7	0.200	30.281	51.2	78	W.	3	8	58.8	45.0	91.1	41.0	Showers, fair, cloudy, squally.		
Th	20	30.187	52.7	83	S.W.	6	7	0.491	29.811	50.5	71	W.	3	8	56.0	42.2	106.2	42.2	Squally, rainbow, showers, cloudy.		
F	21	30.040	51.0	80	S.W.	4	10	0.690	29.811	50.4	92	S.W.	5	10	52.3	45.0	86.0	45.6	Gloomy, thunderstorm, rain, showers.		
S	22	29.919	46.0	78	S.W.	2	4	0.296	30.011	48.0	76	W.	4	4	52.1	43.1	96.8	39.1	Rain, cloudy, hail, showers.		
Sa	23	29.727	51.2	93	S.W.	7	10	0.551	29.590	53.0	93	S.W.	4	10	58.8	46.8	94.7	44.1	Gale, gloomy, rain, squally, showers.		
Su	24	29.666	55.4	90	S.W.	6	10	1.03	29.226	52.0	80	S.W.	4	8	55.9	51.5	67.1	49.0	Rain, gloomy, sunless, squally, lightning.		
M	25	29.629	50.3	79	S.W.	7	9	0.090	29.676	48.0	78	W.	3	5	53.0	45.0	91.8	40.2	Gale, showers, squally, cloudy.		
T	26	30.082	51.0	76	S.W.	2	8	0.008	30.267	51.2	91	S.	2	3	58.1	44.0	91.6	36.6	Showers, extremely fine, remarkable sunset.		
W	27	30.865	51.9	92	S.	2	9	0.484	30.484	50.1	81	S.E.	2	0	58.7	48.7	98.6	44.4	Heavy dew, cloudy, fine, remarkable sunset.		
Th	28	30.382	47.0	79	S.E.	2	1	0.891	30.891	43.5	96	S.	1	10	50.2	42.4	84.3	38.0	Remarkable sunrise, extremely fine.		
F	29	30.394	46.0	93	S.	1	10	0.065	30.254	49.0	88	S.W.	2	10	51.0	41.0	85.2	41.0	Overcast, gloomy, sunless, showers.		
Highest		30.434	55.4	99	E & S	7	10	0.690	28th 9p.	55.0	99	W & S	5	10	57.9	51.5	105.0	49.0	N.B.—The necessary corrections for "index error" have been applied to the instrumental readings.		
Lowest		29.190	43.0	65	entries	0	0	0.002	25th 3p.	42.4	65	entries	0	0	48.0	40.0	85.2	34.1			
Mean		29.962	50.1	89.1	18	3.4	7.6	5.59	29.941	49.1	84.1	3.3	3.4	55.5	44.6	84.1	40.6				

REMARKS.—Gloomy, wet, unsettled, more fine days than usual, extraordinary number of fogs and calms. Barometer: mean 29.951, i.e. 0.004 too low; range 1.244, or 0.138 too low. High readings after the 26th. Temperature: range 17.9, lowest yet recorded; daily range 10.9, the highest known; mean: 50.1, or 1.8 too high; the mean was too high on 18 days; for the 25th, the warmest day, it was 53.7 i.e. 7.6 too high; for the 16th, the coldest day, it was 44.0 i.e. 4.1 too low; all the elements of temperature were above the average, the shade maxima being 8.1 too high. Rainfall, maximum 0.690 which fell in about six hours on the 22nd-23rd; amount for the month 10 per cent too high. Mean temperature of sea near shore a.m. 59.7 i.e. 1.4 too high. Wonderful skies at sunset and sunrise, 25th to 29th. Bright sunshine: total record 55.95 hours, or 25 per cent of the possible amount; full record on one day; no record on seven days; the brightest week was that ending the 29th, with a record of 24.4 hours; the gloomiest that ending the 7th with 8.5 hours; for the month ending November 18th, the record was only 51.6 hours. We have had four water Novembers since 1863, of which last year was the wettest, the amount of rain being 3.218 inches greater than this year: the average for this the rainiest month of the year, is now 6.124 inches.

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METEOROLOGICAL OBSERVATIONS TAKEN AT ST. AURIN'S, JERSEY, DURING DECEMBER, 1883.  
BY J. E. VIBERT, M.A.

Days of Week.		At 9 a.m. Local Time.				At 9 p.m. Local Time.				S. R. Thermometers reset at 9 p.m. daily.				Lat. 49° 11' 20" N., Long. 2° 9' 43" W.				
Days of Month.	Barometer reduced to 32° and S. L.	Hygrometer.		Wind.		Amount of rain in inches.	Barometer reduced to 32° and S. L.	Hygrometer.		Wind.		Max. in shade.	Min. in shade.	Max. in sun.	Min. on Grass.			
		Dry Bulb.	Humidity 0-100.	Direction.	Force, 0-12.			Dry Bulb.	Humidity 0-100.	Direction.	Force, 0-12.						Cloud, 0-10.	
S	1	30.383	48.0	73	N.W.	3	6	0.083	ins.	45.4	77	N.E.	1	9	49.3	43.5	82.3	Very cloudy, fair, fine, dry.
S	2	30.481	48.4	72	N.W.	1	10	0.083	432	47.4	82	W.	1	9	52.0	42.0	68.0	Overcast, very cloudy, showers, fair.
M	3	29.929	50.0	93	W.	2	10	1.00	29.953	52.4	95	W.	3	10	52.9	44.1	67.4	Rain, gloomy, sunless, squally.
T	4	29.946	46.0	67	N.W.	3	8	0.03	30.104	45.2	65	N.W.	3	5	52.6	43.0	80.0	Cloudy, hail, fine, drying wind.
W	5	30.247	45.3	73	N.W.	0	5	0.03	233	41.5	66	N.	2	4	48.8	40.0	89.3	Cloudy, extremely fine, dry, hail.
T	6	30.194	41.2	68	N.	3	5	0.420	333	35.5	62	N.E.	2	4	42.8	32.2	78.0	Fine, hail, snow storm, rough night.
F	7	30.504	34.0	62	N.E.	2	0	0.055	600	38.0	71	N.E.	1	9	38.7	29.8	91.0	snowfall, very fine, cloudy, fair.
S	8	30.562	38.2	73	N.E.	1	10	0.055	494	38.4	72	N.E.	0	10	38.8	36.4	41.6	Gloomiest day in December since 1875.
S	9	30.398	41.0	77	S.W.	2	10	0.055	265	42.5	88	W.	1	9	43.0	37.1	49.7	Gloomy, sunless, showers, fair.
M	10	30.160	47.0	83	S.W.	3	10	0.200	29.951	48.6	93	W.	6	10	48.6	41.0	59.0	Gloomy, sunless, showers, squally.
T	11	29.903	49.8	81	N.W.	2	4	0.037	30.028	50.2	89	W.	3	8	52.3	47.5	73.4	Very cloudy, showers, squally.
W	12	30.111	49.0	62	N.W.	4	4	0.003	305	47.8	80	N.W.	2	9	52.2	47.0	73.0	Squally, very cloudy, breeze, fair.
T	13	30.229	52.5	89	W.	3	10	0.070	184	52.0	93	S.W.	3	10	53.6	47.8	65.8	Very cloudy, overcast, drizzle.
F	14	30.086	47.3	83	S.W.	6	10	0.170	020	50.0	86	W.	3	9	52.6	48.0	56.3	Drizzle, overcast, gloomy, fair.
S	15	29.852	41.1	69	N.W.	2	7	0.092	29.806	48.8	89	S.W.	5	10	50.6	44.4	78.8	Showers, very cloudy, squally.
S	16	30.332	42.0	70	N.E.	3	5	0.012	30.159	41.8	68	N.	4	9	49.0	41.0	82.3	Hail, cloudy, showers, cold wind.
M	17	30.494	42.0	73	N.E.	4	9	0.063	470	41.1	70	N.E.	3	8	43.1	39.3	81.0	Hail, cloudy, cold wind, fair.
T	18	30.491	47.0	86	N.	2	9	0.063	441	41.7	93	N.W.	2	10	45.0	37.2	83.2	Cloudy, fine, shower, calm.
W	19	30.236	47.0	86	N.	1	8	0.111	387	45.0	78	N.W.	2	9	47.9	40.0	66.0	Shower, very cloudy, fair.
T	20	30.053	47.8	94	W.	2	10	0.031	120	46.0	96	N.W.	1	10	48.7	43.1	62.0	Calm, gloomy, fair, drizzle.
F	21	30.127	45.2	85	S.W.	2	9	0.031	101	46.0	86	N.W.	0	4	48.8	44.0	61.0	Drizzle, sunless, fair, cloudy.
S	22	30.343	49.3	87	S.W.	3	9	0.019	140	47.5	86	S.W.	4	10	47.9	44.3	52.2	Gloomy, sunless, fair, mild.
S	23	30.620	46.2	98	S.W.	2	10	0.019	529	46.5	96	S.W.	0	9	51.0	45.8	62.0	Overcast, drizzle, mild, calm.
M	24	30.509	43.1	100	E.	0	4	0.060	641	44.0	94	N.W.	2	10	47.1	42.3	72.0	Heavy dew, fine, overcast.
T	25	30.541	42.0	100	E.	2	10	0.060	542	42.5	100	E.	2	10	44.5	41.3	49.0	Fog all day, sunless, very damp.
W	26	30.387	43.5	96	E.	0	9	0.060	483	44.3	100	E.	2	10	44.3	40.8	46.7	Thick fog, very damp, overcast.
T	27	30.438	45.5	89	E.	0	10	0.060	411	44.6	95	E.	0	10	44.8	42.4	49.3	Calm, overcast, gloomy, drizzle.
F	28	30.306	45.0	91	N.E.	0	10	0.060	354	45.2	91	E.	0	10	49.1	42.3	81.0	Fine a m., calm day, overcast.
S	29	30.317	41.8	88	N.E.	3	10	0.060	235	45.3	95	N.E.	0	10	45.3	43.7	51.7	Fog a m., gloomy, fair, calm.
S	30	30.442	37.1	78	E.	4	10	0.060	410	40.4	82	N.E.	3	10	40.7	39.5	47.7	Gloomy, overcast, sunless, fair.
M	31								376	36.7	77	E.	4	10	45.4	35.5	42.4	Gloomy, sunless, cold wind.
Highest		30.641	52.5	100	E & c.	6	10	0.420	24th 9p.	52.4	100	W & c.	5	10	53.6	48.0	91.0	N.B.—The necessary corrections for "index error" have been applied to the instrumental readings.
Lowest		29.806	43.0	62	entries	0	0	0.003	15th 9p.	35.5	62	entries	0	4	38.7	29.8	41.6	
Means		30.292	45.0	82	entries	31	21	8.1	1329	30.291	84.4	18	21	9	47.5	41.5	65.8	

REMARKS.—Cloudiest December yet recorded; mild generally except between 4th and 11th; rainfall only 39 per cent. of average. Barometer: mean 30.291, i.e. 0.292 too high; range 0.835, lowest recorded here in December, being 0.530 too low. Temperature: extreme range 23.8, or 0.6 too low; mean daily range 6.0, less than that of any month for the last nine years; the mean was too high on 22 days; for the 13th, the warmest day, it was 50.7 i.e. 6.4 too high; for the 7th, the coldest day, it was 34.3 i.e. 11.0 too low; the 8th was the gloomiest day in December since Dec. 1st, 1875, and absolutely since Jan. 25, 1882. Rainfall, maximum 0.420 which fell in about 3.5 hours on the 6th and 7th, being principally snow five inches deep. Mean, temperature of sea near shore a.m. 47.2 i.e. 0.9 too high. Frost on grass three times only instead of eleven. Bright sunshine: total record 31.53 hours, or 13 per cent. of the possible amount; full record on no day, no record on sixteen days; the brightest week was that ending on the 7th with 20.1 hours, the gloomiest that ending on the 27th, with a record of thirteen minutes; the brightest hour was from 11 a.m. to noon with a total of 6.33 out of 61 hours. Extraordinary fog and saturation on 26th and 26th. Rainfall for December 2.386 in. too low and 4.897 lower than that of last year; the total amount for 1884 is therefore 33.888, or 1.667 too low. For the three months ending Dec. 31st the rainfall this year was 9.146 in. less than in 1883. Unusual number of calms during the month. The 7th was a very after day of rare beauty.

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