

METEOROLOGICAL OBSERVATIONS TAKEN AT ST. AUBIN'S, JERSEY, DURING JANUARY 1884. BY J. E. VIBERT, M.A.

Days of Week.	At 9 a.m. Local Time.					At 9 p.m. Local Time.					R. Thermometers reset at 9 p.m. daily.				Lat. 49° 11' 20" N., Long. 2° 9' 43" W.		
	Barometer reduced to 32° S. F.	Hygrometer.		Wind.	Amount of rain in inches.	Barometer reduced to 32° S. F.	Hygrometer.		Wind.	Cloud, 0-10.	Max. in shade.	Min. in shade.	Max. in sun.	Min. on Grass.	Height of Barometer cistern above mean sea level, 125 feet.	Height of Thermometers above ground, 4 feet.	Height of in Gauge above ground, 1 foot.
		Dry Bulb.	Humidity 0-100				Dry Bulb.	Humidity 0-100									
L	30.241	28.0	85	E.	4	30.166	41.0	92	N.W.	2	10	41.0	34.4	46.7	33.9	Cold winds, gloomy, sunless, fair.	
T	30.094	46.2	91	S.E.	2	30.065	48.5	94	S.E.	1	10	48.5	38.1	70.6	36.8	Overcast, very cloudy, fair, showers.	
W	30.002	49.9	94	S.	2	30.075	48.0	100	S.E.	2	10	50.9	45.1	78.2	44.8	Showers, fine, thick damp fog.	
F	30.205	46.6	100	S.	0	30.012	46.0	100	S.E.	2	10	48.7	45.0	58.0	40.0	Rain, calm, fog, very cloudy, fog.	
S	30.094	47.2	99	S.E.	2	30.225	50.0	99	W.	2	10	50.1	44.5	54.5	42.1	Rain, gloomy, sunless, fair.	
M	30.080	49.5	90	S.W.	4	30.092	48.0	85	N.W.	2	9	52.9	46.2	94.8	42.4	Very cloudy; mild, showers, l. halo.	
M	30.157	46.0	94	N.W.	1	30.322	43.4	75	N.W.	2	4	48.0	41.1	65.6	36.8	Gloomy, heavy showers, fair.	
T	30.487	48.5	97	W.	2	30.310	50.0	86	W.	2	9	50.0	42.2	56.0	38.3	Rain, sunless, gloomy, fair, l. halo.	
W	30.573	48.0	92	S.W.	2	30.002	55.3	90	S.W.	2	2	47.8	40.0	85.3	34.0	Overcast, very fine, s. halo, sunset glow, dew.	
T	30.267	50.3	87	W.	2	30.445	45.1	80	S.E.	2	4	53.3	39.3	93.6	33.1	Heavy dew, very fine, sunset glow, l. halo.	
F	30.516	44.1	70	N.	2	30.085	43.0	83	N.W.	2	0	48.7	42.0	88.0	36.2	Dew, very fine, cloudy, shower, fair.	
S	30.629	43.0	50	N.	0	30.589	46.0	89	0	0	10	48.0	39.1	57.3	32.2	Clouds, extremely fair, sunset glow.	
M	30.578	45.0	86	N.	0	30.603	49.6	89	0	0	9	51.9	42.1	94.4	36.8	Dew, overcast, fair, slight showers.	
T	30.642	49.5	89	N.	1	30.603	47.5	89	0	0	10	51.1	46.5	62.9	43.0	Showers, calm, mild, very cloudy, fair.	
W	30.679	47.0	89	N.	0	30.686	45.2	82	0	0	10	47.8	45.2	53.2	43.1	Gloomy, overcast, fair, calm.	
T	30.633	42.5	89	N.E.	2	30.649	42.4	91	0	0	0	50.4	41.6	82.3	34.0	Calm gloomy, overcast, fair.	
F	30.659	38.0	97	E.	2	30.624	42.0	84	0	0	0	47.5	40.0	82.0	31.1	Extremely fine, dew, calm night.	
S	30.626	42.0	92	S.	2	30.598	46.0	90	S.E.	2	10	42.0	37.4	42.8	33.3	Heavy dew, calm, fine, sunset glow.	
M	30.664	48.0	93	N.W.	1	30.605	45.3	92	S.W.	3	10	46.0	37.2	59.5	36.4	Fog, very gloomy, sunless, fair.	
T	30.516	46.1	91	S.W.	3	30.314	48.5	92	W.	3	10	49.0	44.6	60.8	38.3	Very cloudy, sunless, fair, shower.	
W	30.069	52.0	90	S.W.	5	30.025	29.875	47.0	S.W.	4	10	48.7	43.8	59.8	39.1	Showers, very cloudy, overcast.	
T	30.797	44.0	70	N.W.	6	30.048	30.155	43.8	W.	7	0	49.8	41.0	92.2	34.9	Gloomy, sunless, fair breeze.	
F	30.958	41.8	79	S.W.	6	30.603	29.729	44.8	S.W.	7	10	50.8	42.2	84.5	38.8	Gloomy, fair, drizzle, gale, dry evening.	
S	30.506	48.8	91	S.W.	7	30.873	28.940	46.4	W.	5	2	48.0	41.0	58.4	37.8	Fine a.m., cloudy, showers, gale.	
M	30.490	40.0	76	N.W.	6	30.412	29.424	44.0	W.	6	7	47.0	36.2	89.0	38.0	Gale, rain, hail squalls, thunderstorm.	
T	30.847	45.2	66	W.	3	30.088	45.3	97	S.W.	3	10	49.9	39.3	95.3	36.0	Hail, lightning, fair, squalls, showers, l.	
F	30.012	51.4	93	S.W.	3	30.012	51.6	93	S.W.	4	10	52.8	44.0	65.2	44.0	Showers, fine, overcast, drizzle.	
W	30.071	52.0	92	S.W.	6	30.435	50.1	100	S.W.	3	10	52.3	49.0	58.0	48.5	Drizzle, gloomy, fair, mild.	
T	30.961	49.0	90	S.	3	30.012	50.8	89	S.	3	10	52.7	47.7	64.5	47.0	Drizzle or rain all day, mild.	
Highst	30.686	52.0	100	E & S	7	30.873	15th 9p.	51.6	W & S	7	10	53.3	49.0	95.3	48.5	N.B.—The necessary corrections for "index error" have been applied to the instrumental readings.	
Lowest	28.905	38.0	66	entries	0	0.002	26th 6p.	37.4	entries	0	0	41.0	34.4	42.8	31.1		
Means	30.272	4.60	88.3	21	2.5	7.8	3.300	30.237	46.0	88.8	29	25	71	42.5	71.2	38.3	

REMARKS.—Mildest January since 1877; much gloomy weather; rough and wet at the end of the month. Barometer: mean 30.255, i.e. 0.122 too high; range 1.78, or 0.468 too great; very high 12th to 22nd, low 26th. Temperature: range 18.9, lowest recorded; mean 45.9, or 4.1 too high; all the elements of shade temperature were too high, the mean was too high on 27 days; for the 30th, the warmest day, it was 50.7 i.e. 7.8 too high; for the 1st, the coldest day; it was 37.7, i.e. 4.2 too low. Frost was registered once only on the grass instead of eleven times. Rainfall, maximum 0.873 which fell in about 7 hours on the 26th 27th; the amount for the month is 0.275 in (or 8 per cent) above the average. Mean temperature of sea near shore a.m. 45.6 i.e. 1.1 too high. Calm weather generally up to 21st. Bright sunshine: total record 9.71 hours, or 19 per cent, of the possible amount, being 22.92 hours less than the mean of the last four years: the month ending Jan. 7th was the gloomiest yet recorded here; the total record for 31 days being only 13.61 hours; the brightest week in January was that ending the 14th with 20.60 hours, the gloomiest that ending the 7th or 8th with 2.18 hours; on no day was a full record obtained, on 15 days there was no record. Remarkable sunrises and sunsets were seen throughout the month. For the week ending Jan. 18th, the estimated wind force was only 17 per cent of the average, while for the week ending the 28th, it was nearly 72 per cent above the average. The ground temperature at 1 foot, feet, and 6 feet below grass is the highest yet recorded at this season. The result of 10 years observations (1875-1884) shows that the driest day in January is the 22nd and the wettest the 1st. Rain is least probable on the 10th and 21st.

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METEOROLOGICAL OBSERVATIONS TAKEN AT ST. AUBIN'S, JERSEY, DURING FEBRUARY, 1884.
BY J. E. VIBERT, M.A.

Days of Week.	At 9 a.m. Local Time.					At 9 p.m. Local Time.					R. Thermometers reset at 9 p.m. daily.					
	Barometer reduced to 32° and S. L.	Hygrometer.		Wind.	Amount of rain in inches.	Barometer reduced to 32° and S. L.	Hygrometer.		Wind.							
		Dry Bulb.	Humidity 0-100				Dry Bulb.	Humidity 0-100								
			Direction.	Force, 0-12.	Cloud, 0-10.			Direction.	Force, 0-12.	Cloud, 0-10.	Max. in shade.	Min. in shade.	Max. in sun.	Min. on grass.		
F	29.648	46.7	75	S.W.	7	3	0.260	ins.	29.454	47.0	86	S.W.	8	6	45.3	42.5
S	29.756	47.0	93	N.W.	1	9		29.454	47.0	86	S.W.	8	6	45.3	42.5	
S	30.575	40.3	75	N.W.	0	6		30.380	42.0	67	N.E.	3	9	83.5	36.3	
M	30.612	45.7	90	S.W.	3	10	.009	508	41.2	85	W.	0	7	88.2	27.2	
T	30.530	45.2	84	S.W.	0	10		592	46.3	93	W.	1	9	66.2	37.3	
W	30.339	42.0	78	E.	2	0		443	44.0	73	S.E.	1	9	63.0	32.9	
T	29.713	42.1	91	S.E.	3	10	.013	226	44.0	92	E.	3	4	68.0	28.1	
F	29.620	46.0	99	S.E.	3	10	.120	105	45.3	97	S.W.	2	10	68.0	37.1	
S	29.713	50.0	83	S.	3	9	.23	29.843	47.2	100	S.W.	2	10	60.8	42.1	
S	29.697	47.4	77	S.W.	3	9	.008	572	50.3	95	S.W.	3	0	67.0	41.6	
ON	30.031	45.8	80	S.W.	4	4		839	44.0	71	S.W.	6	0	94.2	37.2	
T	30.031	47.1	84	S.	3	7	.212	976	47.3	84	S.W.	3	3	99.6	39.0	
W	29.942	47.3	90	S.E.	4	9		948	47.5	86	S.	3	3	94.0	40.0	
T	30.210	49.2	85	E.	0	1		966	50.8	85	S.	3	10	97.0	42.2	
T	30.210	45.2	91	E.	3	10	.340	30.153	45.2	90	E.	5	10	110.3	34.9	
F	29.991	38.4	67	E.	6	10		29.988	43.0	78	E.	3	10	61.0	38.0	
S	29.936	43.0	90	S.E.	3	10	.041	858	40.3	88	E.	3	10	52.0	34.4	
S	29.815	46.0	86	S.	3	6	.011	795	48.0	87	S.E.	3	9	61.8	38.3	
M	29.749	48.4	86	S.	3	9	.080	749	48.3	92	S.E.	2	3	82.4	43.2	
T	29.966	49.7	98	S.W.	3	0	.200	814	48.0	93	S.	2	5	90.1	43.6	
W	29.809	47.2	90	S.	2	8	.100	911	48.3	86	S.	5	10	102.0	40.4	
T	29.797	47.5	90	S.W.	2	10	.375	911	48.3	90	S.W.	3	0	99.8	44.3	
F	29.711	47.1	86	S.W.	3	3	.165	850	48.3	90	S.W.	0	2	59.3	37.8	
S	30.074	49.4	83	W.	2	5	.003	638	41.0	96	S.W.	4	2	104.2	35.7	
S	30.074	48.2	72	N.W.	2	7	.190	725	46.0	85	W.	2	8	100.2	35.7	
M	29.988	45.1	98	N.W.	0	10	.132	725	46.0	85	W.	2	8	104.4	41.0	
●	29.965	46.2	98	S.E.	2	10		30.088	46.2	78	N.W.	1	10	95.5	39.3	
W	29.886	42.5	80	S.E.	2	10		30.998	44.3	91	S.E.	2	10	51.3	41.0	
F	29.890	42.0	76	N.E.	3	0		29.998	44.3	90	S.E.	3	10	76.2	42.0	
								916	45.3	90	S.E.	3	10	94.8	38.2	
								967	40.0	69	N.E.	2	0	96.3	33.6	
Highest	30.612	50.0	99	E & S	7	10	0.375	4th 9a.	50.8	100	W & S	8	10	110.3	44.3	
Lowest	29.454	38.4	67	entries	0	0	0.003	1st 9p.	40.0	67	entries	0	0	51.3	27.2	
ans	29.974	45.8	85.0	26	2.616	2.482	29.971	45.4	85.6	25	27.66	41.8	82.8	38.2		

N.B.—The necessary corrections for "index-error" have been applied to the instrumental readings.

REMARKS.—Fine on the whole for the season; middest February since 1877; Barometer: mean 29.973, i.e. 0.037 too low; range 1.58, i.e. 0.180 too low. Temperature: range 22.0, or 0.3 too low; mean: 45.6, or 1.6 too high; all the elements of temperature were above the average. The mean was too high on 21 days; for the 14th, the warmest day, it was 50.7 i.e. 6.8 too high; for the 16th, the coldest day: it was 39.6, i.e. 4.3 too low. The difference of temperature within two days was very trying, the extreme range being 21.4. Rainfall, maximum 0.375 which fell in about 8 hours on the 22nd; the amount for the month is 14 per cent. too little. Mean, temperature of sea near shore a.m. 47.0 i.e. 8.2 too high. Frost on the grass twice only instead of eight times. Bright sunshine: total record 85.60 hours, or 30 per cent. of the possible amount, and 16.47 hours less than the mean of the last four years: full record on one day, no record on seven days; the 29th with a record of nine hours was the brightest day since Oct. 9th: the brightest week was that ending the 29th with a total of 82.40 hours, the gloomiest that ending the 19th with 10.26 hours; the brightest hour was from 10 to 11 a.m. with a total of 12.38 out of a possible 29 hours. From the results of ten years (1875-1884), it appears that the driest day in February is the 5th, and the wettest the 18th; rain is least probable on the 8th, most probable on the 17th and 18th. The mean temperature of the three winter months was 45.8, or 8.1 too high.

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METEOROLOGICAL OBSERVATIONS TAKEN AT ST. AUBIN'S, JERSEY, DURING MARCH, 1884.
BY J. E. VIBERT, M.A.

Days of Week.	Days of Month.	At 9 a.m. Local Time.				At 9 p.m. Local Time.				K. Thermometers reset at 9 p.m. daily.	Lat. 49° 11' 20" N., Long. 2° 9' 43" 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.	Direction.	Force, 0-12.	Cloud, 0-10.	Amount of rain in inches.	Barometer reduced to 32° F.						Dry Bulb.	Humidity 0-100.	Direction.	Force, 0-12.	Cloud, 0-10.
S	1	30.331	40.0	62	E.	3	3	0.009	30.057	41.1	75	E.	3	7	42.8	35.4	94.3	32.6	Fine, dry, cloudy, cold.
S	2	29.707	41.0	77	S.	4	10	.620	.126	41.5	75	E.	1	3	42.8	38.2	54.0	35.0	Calm, overcast, dry, fair.
M	3	29.976	42.2	85	S.	4	10	.620	29.789	46.8	99	S.	4	10	47.8	39.4	54.5	34.0	Showers or rain all day, squally.
W	4	30.649	47.1	93	S.E.	3	9	.006	.944	45.4	80	N.W.	2	0	51.9	44.7	88.0	40.6	Rain, very cloudy, gloomy, fair.
T	5	30.229	51.5	68	N.W.	1	1	.003	30.337	41.4	89	N.W.	0	0	55.2	41.1	112.8	32.4	Dews, clouds, extremely fine, calm.
T	6	31.8	50.4	78	S.W.	0	2	.003	.159	41.6	91	N.W.	1	0	53.9	39.3	108.0	31.7	Hoar frost, extremely fine, dew.
F	7	30.10	49.4	75	S.W.	1	0	.003	29.930	43.0	77	S.W.	3	7	49.3	39.9	98.3	33.0	Heavy dews, extremely fine, l. halo.
S	8	29.878	46.7	77	S.E.	1	9	.130	.744	44.2	86	S.	3	10	51.7	41.1	107.3	35.1	Very cloudy, overcast, showers.
S	9	29.898	50.4	66	N.W.	1	3	.350	.497	47.1	84	S.	3	10	52.0	40.7	101.5	37.1	Fine a.m., cloudy, fair squally night.
M	10	30.2	45.0	90	W.	3	7	.620	.403	47.1	83	S.E.	2	10	52.0	40.7	101.5	40.4	Squally, rain, fine, cloudy, wet night.
W	11	30.146	50.3	84	S.W.	0	10	.010	.551	43.3	90	S.W.	0	10	58.0	46.0	105.0	41.0	Rain, overcast, fair calm.
T	12	30.146	50.3	86	S.W.	0	8	.010	.988	47.2	89	S.W.	3	1	53.0	41.0	103.6	35.3	Dews, fine, showers, clear.
F	13	30.146	50.3	84	S.E.	3	3	.010	.121	53.2	86	S.	2	8	56.6	41.6	108.0	40.2	Dew, extremely fine, cloudy evening, l. halo.
S	14	30.146	50.3	80	S.E.	3	3	.010	.062	55.2	77	S.	1	0	60.0	46.4	105.0	40.2	S. halo, extremely fine, bright night.
S	15	30.146	50.3	80	E.	3	3	.010	.077	53.0	79	S.E.	2	1	58.0	48.8	107.0	44.3	Dew, extremely fine, very mild.
M	16	30.146	50.3	73	S.E.	3	3	.010	.128	54.0	76	S.	2	1	60.1	49.3	109.3	43.7	Extremely fine, very mild, dew.
W	17	30.146	50.3	75	S.E.	3	3	.010	.225	48.2	93	N.W.	1	4	60.2	47.4	111.6	40.4	Cloudy, extremely fine, bright night.
T	18	30.146	50.3	75	S.E.	3	3	.010	.084	49.6	87	W.	1	4	51.4	45.2	105.3	42.6	Dews, s. halo, extremely fine, mist, cloudy.
W	19	30.146	50.3	98	S.E.	3	3	.010	.162	45.5	74	W.	3	2	53.9	44.2	110.7	38.3	Damp fog, calm, s. halo, very fine, dew.
T	20	30.146	50.3	62	N.W.	2	0	.006	.201	44.4	74	N.W.	1	0	53.7	41.1	109.0	37.1	Slight showers, extremely fine, breeze.
F	21	30.146	50.3	59	N.W.	2	0	.006	.173	46.0	89	N.W.	0	10	52.9	38.7	118.0	30.0	Showers, extremely fine, bright night.
S	22	30.146	50.3	71	N.W.	0	0	.060	.193	42.8	87	N.W.	0	0	53.7	42.3	108.0	33.1	Showers, calm, hot sun, fine p.m.
S	23	30.146	50.3	85	N.W.	1	9	.060	.180	45.5	75	N.E.	2	0	54.7	41.1	110.4	34.2	Dews, cloudy, extremely fine.
M	24	30.146	50.3	70	N.E.	2	0	.060	.180	45.5	75	N.E.	2	0	54.7	41.1	110.4	34.2	Dews, cloudy, extremely fine.
T	25	30.146	50.3	71	E.	2	2	.060	.078	44.2	64	E.	2	8	49.3	35.5	97.0	33.9	S. halo, fair, cloudy, dry, cold breeze.
T	26	30.146	50.3	78	N.E.	3	3	.060	.078	44.2	64	E.	3	10	48.8	41.0	104.3	35.3	Clouds, very fine, dry, breeze, overcast.
W	27	30.146	50.3	78	N.E.	3	3	.060	.069	42.0	73	N.E.	3	10	44.7	40.3	63.0	40.0	Gloomy, cold wind, fair.
●	28	30.146	50.3	57	N.E.	3	3	.060	.006	42.4	75	E.	2	2	47.0	38.1	101.0	35.3	Very cloudy, dry, cloudy, fine, cold wind.
F	29	30.146	50.3	77	N.E.	3	3	.060	.006	42.4	75	E.	2	2	47.0	38.1	101.0	35.3	Very fine to 3 p.m., cloudy, overcast.
S	30	29.945	46.8	94	N.E.	3	3	.013	29.879	46.8	80	N.E.	2	10	52.8	40.2	104.3	37.1	Light rain, overcast, very cloudy, calm.
S	31	30.838	46.8	94	N.E.	3	3	.013	.767	47.0	93	N.E.	0	10	53.7	45.0	108.3	44.2	Light rain, overcast, very cloudy, calm.
M	1	30.838	47.5	83	S.W.	3	3	.013	.589	50.0	75	S.W.	3	10	54.8	43.6	101.3	41.9	Very cloudy, s. halo, fair overcast.
Highest		30.344	54.4	98	E & S	4	10	0.621	5th m.d	55.2	99	W & S	4	10	60.2	49.3	118.0	44.3	N.B.—The necessary corrections for "index error" have been applied to the instrumental readings.
Lowest		29.265	40.0	57	entries	0	0	0.006	11th 6a	41.1	64	entries	0	0	42.8	35.4	54.0	30.0	
Means		29.999	48.0	76.7	35	18	5.5	1.880	29.990	46.2	81.3	16	1.7	50	52.3	42.1	99.1	37.3	

REMARKS.—An unusually fine month, generally mild and free from strong winds, many beautiful days, very little rain after 10th. Barometer : mean 29.995, i.e. 0.015 too low ; range 1.079, or 0.218 too low. Temperature : range 24.8, or 1.8 too low ; mean 47.2, or 2.2 too high, and 7.4 warmer than last March. The mean was too high on 22 days ; for the 17th, the warmest day, it was 54.7 i.e. 10.0 too high ; for the 1st, the coldest day, it was 39.1 i.e. 4.6 too low. All the elements of temperature were above the average. Rainfall, maximum 0.620 which fell in about 22 hours on the 3rd-4th, and again in about 6 hours on the 10th-11th. Mean temperature of sea near shore a.m. 48.1 i.e. 2.2 too high. Many heavy dews, ground frost twice instead of eight times. Bright sunshine : total record 168.34 hours, or 46 per cent. of the possible amount : full record on one day, no record on five days ; the brightest week was that ending the 21st with a record of 58 hours, the gloomiest that ending the 8th with 26.82 hours ; the brightest hour was from 1 to 2 p.m. with a total of 19.27 out of a possible 31 hours. Wryneck on 23rd. Rain fall 16 per cent. too low ; wind force only 65 per cent of the average, the least yet recorded here in March. It is noteworthy that there is not a single entry of hail or snow during the month. From the result of ten years observations it appears that the wettest day in March is the 3rd, and the driest the 21st ; rain is most probable on the 1st and 3rd, least probable on the 11th.

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METEOROLOGICAL OBSERVATIONS TAKEN AT ST. AUBIN'S, JERSEY, DURING APRIL, 1884.
BY J. E. VIBERT, M.A.

Days of Week.		At 9 a.m. Local Time.				At 9 p.m. Local Time.				S. K. 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.	Dry Bulb.	Humidity 0-100.	Direction.	Force 0-12.	Cloud, 0-10.	Amount of rain in inches.	Barometer reduced to 32° and S. L.	Dry Bulb.	Humidity 0-100.	Direction.	Force, 0-12.	Cloud, 0-10.	Max. in shade.	Min. in shade.	Max. in sun.	Min. on Grass.		
T 1	29.598	51.5	84	S.	3	9		29.662	51.5	79	S.W.	2	10	55.8	48.2	93.7	0	Very cloudy, overcast, fair, mild.	
T 2	29.596	51.1	84	S.E.	0	10	0.330	29.595	51.4	87	S.W.	1	2	55.7	48.8	94.3	45.0	Overcast, mild, heavy showers, fair.	
T 3	29.521	47.3	97	S.E.	0	10	1.100	29.557	48.7	88	S.W.	3	6	51.9	46.3	102.0	43.0	Rain, gloomy, fair, clear, fine night.	
T 4	29.489	50.0	80	S.E.	2	9	2.02	29.639	48.4	84	S.W.	3	7	53.8	46.9	103.3	41.7	S. halo, breeze squalls, rain, fair.	
T 5	29.521	49.8	86	S.	2	9		29.608	50.1	84	S.W.	3	0	53.0	46.6	109.0	42.3	Shower, very cloudy, very fine evening.	
T 6	29.521	49.8	91	S.E.	1	9	1.50	29.608	47.0	93	N.W.	0	10	57.8	45.0	80.6	42.5	Dew, fair, gloomy, calm, light rain.	
T 7	29.521	51.0	93	W.	0	9		29.608	47.5	97	N.W.	1	1	56.0	44.8	113.2	42.5	Rain, cloudy, very fine p.m., dew.	
T 8	29.521	48.3	97	N.	1	3		29.608	48.2	93	N.E.	1	0	61.0	42.0	111.8	37.6	Fog, dews, overcast, very fine p.m.	
T 9	29.521	55.3	71	N.	1	9		29.608	48.5	84	N.E.	2	7	53.8	44.2	110.3	37.8	Dew, extremely fine, overcast, cloudy.	
T 10	29.521	53.0	68	N.	1	9		29.608	45.4	75	N.E.	2	0	53.8	40.8	111.3	34.1	Cloudy, extremely fine, clear.	
T 11	29.521	53.0	68	N.	1	9		29.608	46.0	79	N.E.	2	0	53.8	40.8	111.3	34.1	Dew, extremely fine, clear, night.	
T 12	29.521	53.0	68	N.	1	9		29.608	47.3	76	N.E.	2	0	53.8	40.8	111.3	34.1	Extremely fine, overcast, cloudy.	
T 13	29.521	53.0	68	N.	1	9		29.608	47.3	76	N.E.	2	0	53.8	40.8	111.3	34.1	Breeze, extremely fine, dry.	
T 14	29.521	53.0	68	N.	1	9		29.608	47.3	76	N.E.	2	0	53.8	40.8	111.3	34.1	Fine, dry, cloudy, cold breeze.	
T 15	29.521	53.0	68	N.	1	9		29.608	47.3	76	N.E.	2	0	53.8	40.8	111.3	34.1	Dry, cloudy, fair, cold breeze.	
T 16	29.521	53.0	68	N.	1	9		29.608	47.3	76	N.E.	2	0	53.8	40.8	111.3	34.1	Showers, fair, gloomy, very cloudy.	
T 17	29.521	53.0	68	N.	1	9		29.608	47.3	76	N.E.	2	0	53.8	40.8	111.3	34.1	Showers, very cloudy, cold wind, overcast.	
T 18	29.521	53.0	68	N.	1	9		29.608	47.3	76	N.E.	2	0	53.8	40.8	111.3	34.1	Squally, showers, s. halo, cold, very cloudy.	
T 19	29.521	53.0	68	N.	1	9		29.608	47.3	76	N.E.	2	0	53.8	40.8	111.3	34.1	Gloomy, sunless, cold, dry.	
T 20	29.521	53.0	68	N.	1	9		29.608	47.3	76	N.E.	2	0	53.8	40.8	111.3	34.1	Overcast, very cloudy, fair, cold.	
T 21	29.521	53.0	68	N.	1	9		29.608	47.3	76	N.E.	2	0	53.8	40.8	111.3	34.1	Dry, clouds, cold breeze, fine.	
T 22	29.521	53.0	68	N.	1	9		29.608	47.3	76	N.E.	2	0	53.8	40.8	111.3	34.1	Fine, cloudy, very dry, cold wind.	
T 23	29.521	53.0	68	N.	1	9		29.608	47.3	76	N.E.	2	0	53.8	40.8	111.3	34.1	Fine, bright, clear, cold wind.	
T 24	29.521	53.0	68	N.	1	9		29.608	47.3	76	N.E.	2	0	53.8	40.8	111.3	34.1	Fine, clouds, dry, cold wind.	
T 25	29.521	53.0	68	N.	1	9		29.608	47.3	76	N.E.	2	0	53.8	40.8	111.3	34.1	Clouds, extremely fine, cold breeze.	
T 26	29.521	53.0	68	N.	1	9		29.608	47.3	76	N.E.	2	0	53.8	40.8	111.3	34.1	Cloudy, very fine, showers at night.	
T 27	29.521	53.0	68	N.	1	9		29.608	47.3	76	N.E.	2	0	53.8	40.8	111.3	34.1	Showers, cloudy, fine, rain.	
T 28	29.521	53.0	68	N.	1	9		29.608	47.3	76	N.E.	2	0	53.8	40.8	111.3	34.1	Showers, cloudy, fine, dew, calm.	
T 29	29.521	53.0	68	N.	1	9		29.608	47.3	76	N.E.	2	0	53.8	40.8	111.3	34.1	Dews, extremely fine, calm night.	
T 30	29.521	53.0	68	N.	1	9		29.608	47.3	76	N.E.	2	0	53.8	40.8	111.3	34.1	Dews, s. halo, fine, cloudy, bright night.	
T 31	29.521	53.0	68	N.	1	9		29.608	47.3	76	N.E.	2	0	53.8	40.8	111.3	34.1		
Highest.	30.076	55.3	97	E & c.	6	10	0.440	11th 9p.	51.5	97	W & c.	3	10	61.0	48.8	116.3	47.0	N.B.—The necessary corrections for "index error" have been applied to the instrumental readings.	
Lowest	29.225	40.8	55	entries	0	1	0.018	4th 73p.	40.4	67	entries	0	0	42.0	38.8	58.2	31.1		
Means	29.833	49.3	73.8	42	2.0	6.5	1.699	29.845	45.4	80.6	13	17	4.2	52.4	42.6	104.8	38.1		

N.B.—The necessary corrections for "index error" have been applied to the instrumental readings.

REMARKS.—Mild up to the 15th; persistent cold winds from the 7th to the 25th; fine and dry generally. Barometer: mean 29.839 i.e. 0.065 too low; range 0.861, or 0.333 too low; the maximum for the month, viz.: 30.076 is the lowest recorded for any month. Temperature: range 22.2, i.e. 4.0 too low; mean: 47.5, i.e. 1.4 too low; shade maxima 1.9 too low. The mean was too low on 17 days; for the 2nd, the warmest day, it was 52.3 i.e. 4.7 too high; for the 19th, the coldest day, it was 40.5 i.e. 9.1 too low; grass minima lower than during the winter months; extremes of solar maxima lowest yet observed in April. Rainfall, maximum 0.440 which fell in about two and a half hours on the 27th-28th; amount for the month 78 per cent. of the average. Mean temperature of sea near shore a.m. 49.2 i.e. 0.1 too high. Aurora Borealis observed at St. Lawrence, on 24th, 9 to 10 p.m. Bright sunshine: total record 175.8 hours, or 44 per cent. of the possible amount; and 13.16 hours less than the mean of the last four years; brightest hour 4-5 with 17.08 out of 30 hours; brightest week that ending the 15th, with 66.70 hours, gloomiest that ending the 7th with 16.05 hours; two days were sunless, on no day was a full record obtained. The mean humidity was 77, the average of May our driest month. The mean wind force was the lowest yet entered for April, being only 20 per cent. of the average. Cuckoo heard on the 7th, six days earlier than usual, swallow seen on the 11th, three days late, lilac in flower on 14th, fifteen days too early, hawthorn on 25th, thirteen days too early. The records of ten years show that in April the heaviest rain falls on the 27th, the least amount on the 11th; rain is most frequent on the 2nd and 22nd, least frequent on the 12th. Range of temperature on the 9th, 19°, the greatest yet recorded in April.

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METEOROLOGICAL OBSERVATIONS TAKEN AT ST. AUBIN'S, JERSEY, DURING MAY, 1884.
BY J. F. VIBERT, MA.

Days of Week.	At 9 a.m. Local Time.				At 9 p.m. Local Time.				S. K. Thermometers reset at 9 p.m. daily.				Lat. 49° 11' 30" N., Long. 2° 9' 43" W.				
	Hygrometer.		Wind.		Hygrometer.		Wind.		Max. in shade.		Min. in shade.			Max. in sun.	Min. in sun.		
	Dry Bulb.	Humidity 0-100	Direction.	Force, 0-12.	Dry Bulb.	Humidity 0-100	Direction.	Force, 0-12.	Cloud, 0-10.	Cloud, 0-10.							
T 1	ins.	51.7	79	W.	3	5	0.025	ins.	51.3	81	S.W.	3	10	54.2	49.7	108.7	32.1
F 2	29.980	51.7	76	W.	3	10	0.110	29.911	52.1	88	S.W.	3	10	55.3	49.0	105.0	43.9
S 3	51.5	52.1	93	W.	3	10	0.360	51.5	63.1	91	S.W.	3	10	54.4	46.0	105.0	42.0
S 4	51.5	51.8	75	S.W.	3	5	0.100	52.8	47.4	84	S.W.	2	1	54.8	47.6	112.0	39.3
M 5	55.8	51.5	72	N.W.	3	5	0.050	57.0	46.4	90	N.W.	1	3	55.0	42.0	117.7	37.0
M 6	55.1	49.8	70	S.W.	3	9		30.988	47.2	91	N.W.	1	1	55.9	42.7	115.5	34.2
W 7	30.178	52.0	71	S.W.	3	7	0.024	50.1	50.3	95	S.W.	1	10	52.8	43.0	100.0	32.7
W 8	32.3	56.4	83	S.W.	3	3		30.1	53.5	93	S.W.	1	10	60.9	49.1	116.3	47.5
T 9	32.4	57.0	75	S.	3	3		32.0	60.7	79	W.	0	0	63.3	48.7	117.8	45.4
T 10	32.4	57.0	67	E.	1	0		32.0	60.7	73	W.	0	0	63.3	48.7	117.8	45.4
OS 11	32.4	57.0	67	E.	1	0		32.0	60.7	93	N.W.	3	1	76.1	50.5	126.3	48.5
S 11	32.4	57.0	67	N.E.	1	0		32.0	60.7	73	N.	2	2	63.0	47.1	121.6	43.0
M 12	32.4	57.0	67	N.	2	3	0.004	30.965	52.5	73	N.	0	1	65.2	48.2	118.3	44.0
T 13	32.4	57.0	67	N.	2	1	0.009	29.997	51.0	89	W.	3	0	58.9	49.0	119.5	44.0
W 14	32.4	57.0	67	S.W.	1	9		30.253	50.2	89	W.	3	0	59.8	47.4	120.0	43.6
T 15	32.7	52.5	77	S.W.	3	10	0.002	31.1	52.1	84	S.W.	3	5	61.0	50.3	123.3	46.0
F 16	32.7	52.5	66	W.	2	10		30.7	50.6	97		0	4	68.0	47.6	123.3	46.0
S 17	29.881	52.0	76	W.	0	8	0.036	29.837	51.2	93		0	10	56.8	47.0	118.5	44.6
S 18	29.923	53.7	76	N.	2	8	0.015	29.949	49.4	76	N.	0	10	62.2	47.4	126.0	44.5
M 19	30.111	50.3	82	N.	2	10	0.030	30.957	50.0	85	N.	1	10	62.2	47.4	126.0	44.5
T 20	30.147	56.4	70	E.	1	9		30.345	49.2	92	N.	1	0	65.0	46.0	120.5	38.3
W 21	30.147	56.4	61	E.	2	0		30.345	49.2	92	N.E.	3	0	66.2	46.2	120.5	38.3
T 22	30.147	56.4	61	E.	2	0		30.345	49.2	92	N.E.	3	0	66.2	46.2	120.5	38.3
F 23	30.147	56.4	61	E.	2	0		30.345	49.2	92	N.E.	3	0	66.2	46.2	120.5	38.3
S 24	30.147	56.4	61	E.	2	0		30.345	49.2	92	N.E.	3	0	66.2	46.2	120.5	38.3
F 25	30.147	56.4	61	E.	2	0		30.345	49.2	92	N.E.	3	0	66.2	46.2	120.5	38.3
S 26	30.147	56.4	61	E.	2	0		30.345	49.2	92	N.E.	3	0	66.2	46.2	120.5	38.3
M 27	30.147	56.4	61	E.	2	0		30.345	49.2	92	N.E.	3	0	66.2	46.2	120.5	38.3
T 28	30.147	56.4	61	E.	2	0		30.345	49.2	92	N.E.	3	0	66.2	46.2	120.5	38.3
W 29	30.147	56.4	61	E.	2	0		30.345	49.2	92	N.E.	3	0	66.2	46.2	120.5	38.3
F 30	30.147	56.4	61	E.	2	0		30.345	49.2	92	N.E.	3	0	66.2	46.2	120.5	38.3
D 31	30.147	56.4	61	E.	2	0		30.345	49.2	92	N.E.	3	0	66.2	46.2	120.5	38.3
Highest	30.460	68.6	96	E & c	5	10	0.360	21st 9a	63.0	97	W & c	4	10	76.1	58.6	133.3	50.5
Lowest	29.550	49.8	54	entries	0	0	0.002	4th 11p.	46.3	63	entries	0	0	52.1	40.7	78.8	32.1
Means	30.077	57.5	73.3	34	9.3	5.0	0.905	30.075	52.6	82.4	20	1.9	3.4	62.4	48.0	117.1	44.3

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.

Dew, cloudy, s. halo, fair, squally night.

Rain, gloomy, fair, drizzle, squally.

Overcast, squally, rain, fair.

Showers, s. halo, fine, cloudy, dew.

Hail, showers, cloudy, fine, dew.

Dews, cloudy, fine, bright night.

Dew, s. halo, gloomy, squally evening.

Clouds, fair, gloomy, mild.

Extremely fine, mirage p.m., calm, dew.

Dew, warm, perfect weather, calm.

Hot, extraordinary range of temperature.

Dew, shower, very fine thunder.

Extremely fine, clouds, calm night.

Showers, cloudy, breeze s. halo, fine, dew.

Gloomy, very cloudy, breeze, fair.

Drizzle, gloomy, fine, dew, calm.

Fog, calm, extremely fine, calm.

Shower, very cloudy, fair, calm.

Showers, very gloomy, drizzle, fair.

Cloudy, extremely fine, dew.

Extremely fine, very dry.

Breeze, extremely fine, dry.

Extremely fine, warm, dry, calm.

Fine, hot, cloudy, showers, t.l.

T.l. night a.m., but a.m., extremely fine, dew.

Much cooler, cloudy, breeze, very fine.

Misty, dry, extremely fine.

Very fine a.m., cloudy p.m., cold breeze.

Cloudy, fine, cold wind.

Breeze, fine, very dry, fine night.

Cloudy a.m., extremely fine, cool.

N.B.—The necessary corrections for "index error" have been applied to the instrumental readings.

REMARKS.—Driest month since May, 1880; many fine days; extraordinary range of temperature. Barometer: mean 30.076 i.e. 0.025 too high; range 0.910, or 0.007 too high. Mirage S. E. on 9th from 3.45 p.m. Temperature: range extreme 35.4, or 7.7 too great; daily 14.4 or 2.3 too great; mean temperature 55.2, or 1.9 too high. The mean was too high on 21 days; for the 24th, the warmest day, it was 67.3 i.e. 12.3 too high; for the 1st, the coldest day, it was 47.5 i.e. 2.5 too low; all the elements of temperature were above the average; on the 11th the range was 25.6 between 2 p.m. and 8 p.m. the highest known here in one day. Rainfall, maximum 0.360 which fell in about 6.5 hours on the 3rd-4th. Mean temperature of sea near shore a.m. 53.3 i.e. 0.7 too high. Unusual frequency of heavy dew. Bright sunshine: total record 265.70 hours, or 55 per cent. of the possible amount; full record on four days, no record on two days; the brightest week was that ending the 27th, with a record 80.60 of hours, the gloomiest that ending the 5th with 35.50 hours; the brightest hour was from 2 to 3 p.m. with 23.40 out of 24 hours. Total rainfall for the month less than 56 per cent. of the average; the deficit on the five months ending May 31st is 1.690 inches or more than 14 per cent. The driest day in May is (on an average of ten years) the 21st, and the wettest the 25th; rainfalls most frequently on the 6th and 28th, least frequently on the 3rd, 20th and 21st. The mean temperature of the spring months was 50.0 or 0.9 too high.

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METEOROLOGICAL OBSERVATIONS TAKEN AT ST. AUBIN'S, JERSEY, DURING JUNE, 1884.									
BY J. E. VIBERT, M.A.									
Days of Week.	At 9 a.m. Local Time.			At 9 p.m. Local Time.			S. K. Thermometers reset at 9 p.m. daily.		
	Barometer reduced to 32° and S. L.	Hygrometer.	Wind.	Barometer reduced to 32° and S. L.	Hygrometer.	Wind.	Max. in shade.	Min. in shade.	Min. on grass.
	Dry Bulb.	Humidity 0-100	Direction.	Force, 0-12.	Cloud, 0-10.	Direction.	Force, 0-12.	Cloud, 0-10.	Min. on grass.
S 1	58.6	72	S.W.	2	8				
M 2	58.8	67	S.E.	2	5				
T 3	58.9	93	N.	2	10				
W 4	58.1	98	W.	2	10	N.W.	2	10	
T 5	56.5	77	W.	2	8	W.	2	4	
F 6	56.0	76	S.W.	2	7	W.	2	4	
S 7	54.3	73	S.W.	3	9	W.	2	10	
OS 8	51.0	93	N.W.	3	10	W.	3	0	
M 9	55.9	70	N.W.	2	9	N.W.	1	5	
T 10	56.2	67	S.W.	1	1		0	0	
W 11	56.2	90	S.W.	1	10	N.	0	10	
T 12	57.0	93	N.W.	1	10	N.W.	2	0	
F 13	62.2	81	N.	3	4	N.	2	0	
S 14	62.2	80	N.	3	4	N.W.	2	8	
S 15	61.0	67	N.	3	4	N.W.	2	8	
S 16	61.0	60	N.E.	2	3	N.E.	2	8	
T 17	61.3	63	N.E.	2	3	N.	1	0	
W 18	61.3	63	N.W.	1	1	N.	1	0	
T 19	67.7	66	N.W.	1	1	N.W.	1	0	
F 20	67.7	66	N.W.	1	1	N.W.	1	0	
S 21	68.0	63	N.W.	2	5	N.W.	2	10	
S 22	64.8	71	N.W.	2	4	W.	1	10	
T 23	64.8	74	N.W.	2	4	W.	1	10	
T 24	62.5	66	N.W.	1	10	W.	1	10	
W 25	62.5	62	N.W.	1	10	W.	1	10	
T 26	62.5	62	N.W.	1	10	W.	1	10	
F 27	62.5	64	N.W.	2	2	N.E.	1	3	
S 28	62.5	82	N.W.	2	3	N.W.	2	9	
S 29	62.5	82	N.W.	2	3	W.	1	2	
OS 30	62.5	82	N.W.	2	4	W.	1	2	
	60.1	88							
	64.2	98	W & E	3	10				
Highest	30.375	98	E & S	3	10				
Lowest	29.479	59	entries	0	0	entries	0	0	
Means	30.110	60.7	32	1.6	5.6	4.503	30.113	15	10

REMARKS.—Remarkable for the heaviest rain-fall and the greatest number of fine days recorded here in June. Barometer : mean 30.112 i.e. 0.094 too high ; range 0.896 or 0.166 too high. Temperature : range 30.6, or 2.4 too great ; mean : 58.1, or 0.6 too low ; range on 27th, 21.8, the greatest recorded here for any day in June. The mean was too low on 17 days ; for the 28th, the warmest day, it was 63.6 i.e. 2.2 too high ; for the 7th, the coldest day, it was 49.5 i.e. 6.9 too low ; the nights were colder than usual ; the shade maximum exactly the average. Rainfall, maximum 1.420 which fell in about 22 hours on the 3rd-4th : amount for the month 1.20 per cent too high. Mean temperature of sea near shore a.m. 57.3 i.e. 0.4 too high. Wheat in ear on the 11th, in flower on the 15th. Bright sunshine : total record 257.50 hours, or 52 per cent, of the possible amount, and 40.75 hours more than the mean of the last 4 years ; the brightest hour was from 1 to 2 p.m. with a total of 24.33 out of 30 hours. The brightest week, that ending the 20th, with a record of 77.69 hours, the gloomiest that ending the 9th with 38.40 hours ; one day was sunless, on one day a full record was obtained. It appears that in June the wettest day is the 3rd, the driest the 27th ; rain is most frequent on the 3rd, 11th, and 15th, least frequent on the 27th. Thunder Storm, with vivid lighting, on the evening of the 28th, accompanied by very heavy rains generally, and by destructive hail at St. Helier's.

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METEOROLOGICAL OBSERVATIONS TAKEN AT ST. AURIN'S, JERSEY, DURING JULY, 1884.
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 Week.	Days of Month.	Barometer reduced to 32°	Dry Bulb.	Humidity 0-100	Direction.	Force, 0-12.	Cloud, 0-10.	Amount of rain in inches.	Barometer reduced to 32°	Dry Bulb.	Humidity 0-100	Direction.	Force, 0-12.	Cloud, 0-10.	Max. in shade.	Min. in shade.	Max. in sun.	Min. on grass.	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.	
L.	1	30.274	62.2	87		0	10	0.006	30.252	62.0	82	N.E.	1	0	0	71.1	58.0	131.2	52.2	Calm, cloudy, extremely fine.		
T.	2	30.205	72.0	66	E.	1	3	0.006	30.252	63.5	73	E.	2	0	0	77.1	58.7	128.0	53.0	Clouds, hot, extremely fine.		
W.	3	30.044	69.0	66		0	10	0.040	29.989	61.0	91	N.W.	2	4	4	76.1	60.7	136.0	56.4	Calm, showers, thunder, very cloudy, fine.		
T.	4	29.987	66.2	77	S.W.	2	9		30.005	65.5	75	S.W.	0	7	7	68.8	58.0	130.4	55.1	Cloudy, very fine, overcast.		
S.	5	30.092	65.0	83	S.W.	2	8		30.005	60.3	90		0	1	1	69.1	59.5	128.7	54.3	Very cloudy, fine, rain drops, calm, lightning.		
S.	6	30.092	63.8	76	S.W.	3	1		30.005	60.0	86		0	0	0	70.9	57.2	128.6	54.0	Breeze, extremely fine, dew.		
M.	7	30.046	66.1	77	S.E.	2	2	0.005	29.963	66.2	77		0	9	9	70.0	58.0	124.0	52.2	Very fine a.m., overcast, calm, shower.		
O.	8	29.952	70.5	62		0	1		29.963	61.5	85	N.W.	2	1	1	76.3	58.5	132.0	54.8	Calm, very fine, overcast, l. t.		
T.	9	29.875	67.0	82	N.E.	1	10	0.070	29.963	62.0	87	N.E.	1	8	8	68.8	58.9	129.7	58.0	Gloomy, very cloudy, slight showers, l. halo.		
W.	10	29.803	60.5	97	N.	2	10	0.090	29.963	56.4	92	S.W.	1	5	5	65.2	56.1	123.7	52.0	Showers, very cloudy, fine night.		
F.	11	29.814	59.0	91	S.	2	10	0.065	29.963	62.4	86	S.W.	2	0	0	65.0	55.4	118.0	50.0	Showers, gloomy, calm, lightning.		
S.	12	29.884	62.4	94	S.E.	1	10	0.063	29.963	65.2	83	S.W.	2	0	0	70.6	58.6	114.0	53.0	Showers, gloomy, very cloudy, fine.		
S.	13	29.879	67.1	82	E.	1	9	0.003	30.019	58.4	90	N.W.	1	3	3	78.0	58.0	117.2	52.1	Showers, overcast, very cloudy, fine.		
M.	14	30.068	66.0	75	S.	2	6	0.041	30.019	62.5	86	W.	1	9	9	71.9	57.3	126.3	51.5	Very cloudy, fine, showers.		
T.	15	30.081	65.4	86		0	9	0.275	29.878	64.2	85		0	4	4	68.0	60.3	99.7	57.3	Sunless, overcast, showers, fair.		
W.	16	29.828	62.8	88	S.W.	2	7	0.220	30.069	56.5	90		0	3	3	67.5	56.5	116.5	52.1	Heavy showers, very cloudy, calm, dew.		
T.	17	30.182	61.0	88	S.W.	2	9	0.012	30.069	58.0	91	W.	1	0	0	67.8	56.0	123.3	51.0	Showers, cloudy, very fine, dew.		
F.	18	30.192	62.0	75	W.	3	4	0.087	30.069	58.2	86	W.	1	9	9	67.9	55.1	124.3	49.2	Dew, very fine, cloudy, drizzle.		
S.	19	30.166	61.0	94	N.W.	2	10	0.057	267	57.9	89	S.W.	1	10	10	67.7	54.7	125.7	50.0	Slight showers, fine, very cloudy.		
S.	20	30.166	61.0	94	S.W.	2	10	0.280	162	59.2	95	N.W.	1	10	10	67.0	57.0	113.0	54.4	Drizzle, gloomy, fine evening, dew.		
M.	21	30.152	64.2	89	S.W.	2	10	0.008	107	60.2	95	N.W.	2	10	10	64.7	58.4	104.0	56.2	Rain, overcast, drizzle, fair.		
T.	22	30.152	64.2	89	S.W.	2	9	0.009	136	60.4	93	N.W.	1	10	10	67.9	59.0	120.4	57.7	Drizzle, misty, overcast, fair.		
W.	23	30.014	63.5	85	S.W.	2	9	0.004	29.905	59.0	94	W.	1	10	10	66.5	58.4	108.0	55.0	Drizzle, gloomy, very cloudy, fair.		
T.	24	29.936	62.0	77	S.W.	2	6	0.035	30.229	57.5	85	W.	3	6	6	66.8	56.0	121.6	51.2	Showers, cloudy, breeze, fine.		
F.	25	30.047	62.2	77	N.W.	2	6	0.035	30.229	55.2	84	N.W.	1	2	2	66.2	55.2	124.5	49.0	Slight shower, cloudy, fair, fine.		
S.	26	30.047	58.2	71	W.	1	10	0.380	30.229	57.3	85	N.W.	4	10	10	62.2	50.6	110.4	42.2	Fine, overcast, rain, equally.		
S.	27	29.976	59.0	92	W.	1	10	0.120	30.229	57.3	85	N.W.	2	0	0	62.7	56.2	116.2	53.6	Showers, cloudy, fine, dew.		
M.	28	30.208	66.4	75	N.	2	5	0.140	209	69.3	90	W.	1	10	10	68.7	56.8	122.6	49.8	Dew, very fine, overcast, drizzle.		
J.	29	30.186	62.5	93	W.	2	10	0.224	224	61.5	86	N.W.	1	10	10	66.3	57.5	113.0	56.5	Rain, gloomy, very cloudy, fair.		
W.	30	30.261	69.5	70	N.W.	1	4	0.271	271	59.5	86	N.W.	0	3	3	72.8	58.8	130.2	58.0	Cloudy, extremely fine, calm, dew.		
L.	31	30.241	70.8	67	N.E.	1	2	0.183	183	65.5	75	N.E.	2	1	1	79.2	57.1	129.0	51.0	Clouds, extremely fine, hot.		
Highest		30.274	72.0	98	E & S	4	10	0.380	1st 9a.	66.3	95	W & S	4	10	10	79.3	60.7	138.0	58.0	N.B.—The necessary corrections for "index error" have been applied to the instrumental readings.		
Lowest		29.703	58.2	62	entries	0	1	0.003	10th 9a.	55.2	73	entries	0	0	0	62.2	50.6	99.7	42.2			
Means		30.048	64.2	81.0	23	1.7	7.4	1.823	30.054	60.5	86.7	28	1.2	6.2	6.2	69.2	57.2	121.8	52.7			

REMARKS.—Warm, unsteady, often gloomy, rain less than usual but on 5 days more than the average. Barometer : mean 30.051 i.e. 0.007 too high ; range only 0.571, or 0.253 too low. Temperature : range 28.6, or 0.4 too low ; mean : 63.2, or 1.2 too high, and 2.4 higher than last year. The mean was too high on 18 days ; for the 3rd, the warmest day, it was 68.4 i.e. 6.5 too high ; for the 26th, the coldest day, it was 58.4 i.e. 5.5 too low ; all the elements of shade temperature were too high ; solar maxima 1.6 too low. Rainfall, maximum 0.330 which fell in about 5 hours on the 26th-27th, amount for the month 12 per cent too low. Mean temperature of sea near shore a.m. 61.3 i.e. 0.8 too high. Mean wind force 68 per cent, of the average. Bright sunshine : total record 171.68 hours, or 85 per cent. of the possible amount, and 78.56 hours less than the mean of the last 4 years ; full record on no day ; no record on two days ; brightest hour from 1 to 2 p.m. with a record of 17.21 out of 31 hours ; brightest week, that ending the 8th, with 63.50 hours ; gloomiest that ending the 16th with 14.90 hours. It appears that the driest day in July is the 4th, the wettest the 26th ; rain is most frequent on the 9th, least frequent on the 4th and 10th. The rainfall in July 1883 exceeded that of this year by 0.562 inch.

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METEOROLOGICAL OBSERVATIONS TAKEN AT ST. AUBIN'S, JERSEY, DURING AUGUST, 1884.
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 Week.	Barometer redn- gpd to 32° ins.	Dry Bulb.	Hygrometer.		Wind.	Amount of rain inches.	Barometer redn- gpd to 32° ins.	Dry Bulb.	Humidity 0-100	Hygrometer.		Wind.	Cloud, 0-10.	Max. in shade.	Min. in shade.	Max. in sun.	Min. on grass.
F 1	30.104	74.2	64	N.E.	1	0	30.013	70.1	73		0	0	80.5	63.2	128.5	57.7	Hot, extremely fine, calm.
S 2	.063	62.9	91		0	7	.135	58.9	75		0	0	66.8	58.0	126.3	50.4	Hazy, clouds, extremely fine, dew.
S 3	.183	62.4	70	S.W.	1	0	.216	61.7	63		0	0	66.8	56.0	134.5	45.3	Cloudy, fair, extremely fine, clear.
M 4	.285	65.7	71		0	2	.363	59.7	73	N.E.	1	0	67.3	55.1	132.1	7.1	Dews, clouds, extremely fine.
T 5	.264	65.1	72	N.E.	3	1	.176	61.1	82	N.E.	2	0	71.3	54.0	125.3	27.4	Dew, breeze, extremely fine.
W 6	.114	69.3	63	E.	2	0	.042	65.9	79	N.E.	2	0	76.0	59.0	129.4	54.2	Extremely bright and fine, breeze.
T 7	.051	74.2	65		0	0	.072	70.8	69		0	0	84.0	61.9	132.8	55.2	Calm, very hot, extremely fine.
F 8	.083	76.6	64		0	0	.080	68.1	87	N.W.	1	1	80.0	64.9	130.2	61.4	Calm, hazy, very hot, extremely fine.
S 9	.025	72.8	72	N.E.	0	1	.29.998	67.8	74		0	9	82.9	63.2	133.5	56.8	Hot, calm, cloudy, t. l., rain.
S 10	29.958	76.2	82	N.E.	0	1	.946	69.1	73	E.	1	7	80.3	66.0	130.6	61.0	Very hot, thunder storms, squall, cloudy.
M 11	.982	67.2	95		0	8	.981	65.1	94		0	0	72.7	63.2	122.6	59.8	Fog, gloomy, fine, s. halo, dew.
T 12	30.047	66.8	85	S.W.	1	3	.30.103	62.2	93	N.W.	1	5	71.1	60.1	128.8	59.7	Fine, cloudy, cool, clear evening.
W 13	.080	66.8	89	N.W.	1	3	.070	59.1	87	N.W.	1	9	68.0	58.2	129.6	55.3	Cloudy, cool, overcast, clear evening.
T 14	.103	63.2	86	N.W.	2	4	.169	59.2	91	N.W.	1	0	68.3	57.2	127.1	52.8	Cool, cloudy, clear, extremely fine.
F 15	.224	62.1	86	S.W.	1	4	.198	60.1	86	N.E.	1	0	74.1	56.9	126.9	53.4	Clouds, extremely fine, cool.
S 16	.146	65.9	74	E.	1	1	.075	65.0	77		0	0	70.1	58.9	126.1	50.6	Extremely fine and bright, hazy.
S 17	.052	65.2	91	S.W.	1	1	.026	62.9	69		0	7	74.3	58.2	133.4	50.0	Dews, clouds, extremely fine.
M 18	.027	71.0	69	S.W.	1	2	.031	62.6	89	W.	1	0	69.4	57.4	126.6	51.9	Cloudy, rain, fine, dew, lightning.
W 19	29.994	67.0	73	S.W.	3	5	.05	59.2	88		0	0	71.4	55.0	121.7	47.0	Dews, cloudy, extremely fine, calm.
T 20	30.108	66.4	63	N.W.	2	4	.180	56.7	88	N.E.	2	0	73.9	55.0	125.7	53.3	Dew, clouds, extremely fine.
F 21	.249	70.4	61	N.E.	1	2	.236	60.7	88	E.	3	0	82.2	63.6	130.8	58.6	Hazy, hot, extremely fine.
S 22	.078	71.0	69	E.	2	0	.682	66.5	82		0	0	82.1	66.1	129.4	61.0	Hot, extremely fine, very dry, lightning.
S 23	.078	76.2	59	N.E.	1	0	.062	70.2	63	N.E.	2	0	74.5	60.0	90.4	57.3	Gloomy, sunless, rain, breeze, fair.
S 24	.079	73.4	60	F.	2	0	29.973	74.3	62	N.E.	3	7	65.0	55.0	121.5	50.8	Fine, dry, s. halo, very cloudy.
M 25	29.958	69.4	72	E.	10	0	30.105	60.0	71	N.W.	1	7	61.0	51.0	114.4	47.1	Cloudy, gloomy, overcast, wet evening.
T 26	30.204	62.1	57	N.E.	3	2	30.158	56.8	70	N.W.	2	10	61.0	51.0	120.5	56.6	Scotch mist, rain, fair, very cloudy.
W 27	.053	58.3	73	S.W.	1	9	29.934	58.1	98	W.	1	9	64.3	56.7	120.5	56.6	Showers, breeze, fair, clouds.
T 28	29.824	61.1	100	N.W.	3	6	.823	58.0	80		3	3	62.0	53.1	122.5	50.5	Scotch mist, overcast, showers, fair.
F 29	.866	56.1	85	N.W.	3	6	30.064	57.8	77	S.W.	3	10	66.5	56.3	100.6	52.8	Gloomy, showers, very cloudy, fair.
S 30	30.042	61.4	100	S.W.	5	10	.058	62.0	94	S.W.	3	2	67.1	60.5	117.0	57.3	
S 31	29.968	65.5	80	S.W.	3	9	29.863	62.0	88	S.W.	3	2					
Highest	30.303	76.6	100	E & S	5	10	0240 4th 9p	74.3	98	W & S	3	10	86.3	66.1	134.5	61.4	N.B.—The necessary corrections for "index error" have been applied to the instrumental readings.
Lowest	29.823	56.1	57	entries	0	0	010 28th 9p.	56.7	52	entries	0	0	61.0	51.0	90.4	45.3	
Means	30.077	67.3	75.5	31	1.4	3.6	1.295	63.0	80.1	16	1.2	2.8	72.4	58.7	124.9	53.5	

REMARKS.—Finest and hottest summer weather since July, 1876; unsettled, wet and gloomy after the 24th. Range only 0.480, being 0.313 too low, and the least on record here for any month. Temperature: range 35.3, being the greatest known in August and 8.8 too high; mean, 65.5 or 2.3 too high. The mean was too high on 19 days; for the 10th, the warmest day, it was 76.2 i.e. 12.2 too high; for the 27th, the coldest day, it was 56.0 i.e. 6.0 too low. During the three summer months we have had 37 very fine days instead of 21, and only one day of very bad weather instead of 7, which is the average for the last nine years. Rainfall, maximum 0.240 which fell in about 4 hours on the 13th, and again on the 25th; amount for the month 4.5 per cent too low. Mean temperature of sea near shore a.m. 64.8 i.e. 1.9 too high, and the highest monthly mean recorded at this station. Bright sunshine: total record 258.11 hours, or 57 per cent, of the possible amount, and 38.61 hours more than the mean of the last 4 years; the brightest hour was from 1 to 2 p.m. with a total of 24.02 out of 31 hours; the brightest week was that ending the 10th, with 81.1 hours; the gloomiest that ending the 31st with 22.93 hours; one day was sunless, on six days a full record was obtained, on 14 days the record exceeded 10 hours. It appears that the driest day in August is the 3rd, the wettest the 8th; rain is least frequent on the 3rd, most frequent on the 20th. At about 2h. 5m., a.m., on Tuesday, the 26th, a distinct shock of earthquake was felt throughout the island; the last previously recorded shock occurred on March 10th, 1880, at midnight. A very memorable month as the brightest, calmest, and hottest August yet recorded at St. Aubin's.

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Holloway's Pills.—Sleeplessness, flatulency, and all dyspeptic indications relieved by these famous Pills. of which are shipped to all parts of the world. In weakness of the stomach, liver, and in disorders of the system, a sluggish circulation, no medicine is so rapidly as these Pills, which they give refreshing sleep, sharpen the tone to the digestive organs, purify blood, regulate the secretions, and whole physical frame.

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ITS WEIGHT IN GOLD.—The aggregation of gold, in the United States of America, June, 1883, we have just been told on of the Times, was 78,965,572 troy ounce saw this particular weight of gold accumulation of all preceding years, we struck with the remarkable approximation weight given to what had just come to was the output of Cocoa in this country (James Epps and Co.) for one year (twelve-month, it being 86,403,333 2,615 avoirdupois tons, and on the moon not without recalling to mind the "Worth its Weight in Gold."

METEOROLOGICAL OBSERVATIONS TAKEN AT ST. AUBIN'S, JERSEY, DURING SEPTEMBER, 1884.
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° S. L.	Dry Bulb.	Humidity 0-100	Direction.	Force, 0-12.	Cloud, 0-10.	Amount of rain in inches.	Barometer reduced to 32° S. L.	Dry Bulb.	Humidity 0-100	Direction.	Force, 0-12.	Cloud, 0-10.	Max. in shade.	Min. in shade.	Max. in sun.	Min. on grass.	
M	1	29.756	60.0	95	S.W.	3	10	0.170	ins. 29.835	60.3	86	S.W.	1	8	64.0	57.0	114.3	50.5
T	2	.820	63.0	77	S.W.	3	6	.120	.831	57.5	88		0	10	68.9	57.3	119.7	55.0
W	3	.747	62.0	77	S.E.	3	7	1.230	.479	58.0	89	N.E.	3	9	63.0	53.6	110.0	48.4
T	4	.621	57.2	84	N.W.	3	9	.017	.749	56.5	71	N.W.	7	7	64.1	53.1	121.0	52.2
Th	5	.739	64.4	60	N.W.	1	3	1.100	.841	58.3	76	W.	2	9	67.7	52.7	119.4	46.8
F	6	.797	57.0	90	S.	2	10	.310	.624	59.6	94	W.	7	10	66.2	55.2	100.7	54.2
S	7	.873	59.5	85	W.	4	5	.002	30.159	58.0	81	N.W.	2	5	66.9	57.1	123.6	53.3
Sa	8	30.274	62.2	77	W.	2	9	.002	.214	61.0	94	N.W.	2	10	67.1	56.1	108.0	51.1
M	9	.333	64.0	77	S.W.	1	9		.290	58.0	88		0	4	65.3	57.0	114.4	52.2
T	10	.223	64.0	88	N.	1	10		.239	61.0	88	E.	2	0	69.0	56.2	119.1	50.5
W	11	.281	66.1	77	N.E.	2	1		.284	70.5	84	N.E.	2	0	70.3	58.0	118.4	53.3
Th	12	.253	66.8	75	N.E.	3	2	2	.217	70.0	88	N.E.	2	0	70.0	59.2	119.5	56.1
F	13	.193	65.8	70	E.	2	2	7	.088	1.5	90	N.E.	1	2	71.8	57.0	126.3	51.1
S	14	.053	65.5	79	E.	2	8	.030	29.971	6.0	88	E.	1	10	71.9	57.9	120.5	52.2
M	15	29.961	66.0	73	E.	2	5	.033	30.154	6.3	86	S.E.	1	9	70.9	60.0	117.0	55.1
T	16	30.090	73.8	67	N.E.	1	1		.340	68.3	74		0	1	78.4	63.2	124.4	56.2
W	17	.246	75.2	67	N.R.	3	0		.327	66.2	81	N.E.	2	3	81.4	64.0	125.0	56.0
Th	18	.379	66.0	83	N.R.	3	9		1.27	64.0	89	E.	3	7	69.4	61.4	115.4	58.0
F	19	.222	67.8	71	N.W.	2	0		29.950	66.0	86		0	2	73.6	60.8	117.0	53.0
S	20	.075	63.0	88	N.W.	1	10	.940	.779	60.2	94	N.	0	10	67.5	59.0	111.0	57.2
M	21	29.875	63.4	61	N.W.	2	4	.012	30.140	56.4	79	N.W.	1	2	67.7	53.2	121.8	60.2
T	22	.939	65.0	59	N.	2	4		.354	53.5	81	N.W.	1	2	67.7	53.0	120.0	44.5
W	23	30.300	65.0	70	S.W.	2	9	.054	.282	55.0	91	S.W.	2	9	65.3	51.3	119.6	43.0
Th	24	.321	58.5	70	S.W.	2	0		.205	55.5	87		0	1	66.1	52.1	118.4	45.0
F	25	.288	62.3	70	S.W.	3	10	.044	.075	56.6	95	S.W.	0	10	65.4	55.1	110.0	47.0
S	26	.092	60.0	68	S.W.	3	9	.160	.168	60.3	97	S.W.	3	10	65.0	50.4	115.4	43.1
Sa	27	.126	60.4	90	S.W.	3	9	.014	.162	61.8	80	S.W.	2	10	66.3	58.5	112.0	58.0
M	28	.206	62.0	76	S.W.	3	7	.017	.214	58.4	91	N.	2	10	66.4	56.8	109.3	49.8
T	29	.164	64.7	76	N.B.	1	10		.159	57.5	90		0	7	64.8	55.2	109.0	49.0
W	30	.234	58.0	76														
Highest		30.379	75.2	95	E & c	4	10	1230.18th 9a.		68.3	97	W & c	7	10	81.4	64.0	126.3	58.0
Lowest		29.458	57.0	59	entries	0	0	.002.3rd mdt.		53.5	71	entries	0	0	63.0	50.4	100.7	42.0
Means		30.083	63.8	75.9	32	2.0	6.3	3.279	30.077	60.2	86.2	18	1.5	61	68.4	56.7	116.0	51.7
N.B.—The necessary corrections for "index error" have been applied to the instrumental readings.																		

REMARKS.—A fine month on the whole; warmest September since 1875. Barometer: mean 30.080 i.e. 0.064 too high; range 0.921, or 0.092 too low; no extreme readings. Temperature: range 31.0, the highest on record, and 5.9 too great; mean, 62.5 or 2.3 too high. The mean was too high on 23 days; for the 18th, the warmest day, it was 72.7 i.e. 12.1 too high; for the 27th, the coldest day, it was 57.7 i.e. 0.1 too high. All the elements of temperature were above the average. Rainfall, maximum 1.230, which fell in about 15 hours on the 3rd—4th; of this amount 0.750 fell in 60 minutes after 5 p.m. Mean temperature of sea near shore a.m. 62.6 i.e. 1.1 too high. The lowest maximum in the sun, viz., 100.7, is the highest for any month since July, 1880. Bright sunshine: total record 178.59 hours, or 47 per cent. of the possible amount, and 19.12 hours more than the mean of the last 4 years; no day was sunless; on three days a full record was obtained; the brightest hour was from 3 to 4 p.m. with a total of 19.61 out of 30 hours; the brightest week was that ending the 17th, with 57.68 hours, the gloomiest that ending the 30th, with 21.80 hours. The rainfall for the month was 0.336 too low or 90 per cent. of the average. It appears that the wettest day in September is the 23rd, the driest the 16th; rain is most frequent on the 23rd, least frequent on the 18th.

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METEOROLOGICAL OBSERVATIONS TAKEN AT ST. AUBIN'S, JERSEY, DURING OCTOBER, 1884. 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' 43" W.										
		Barometer reduced to 32° and 29.957	Dry Bulb.	Humidity 0-100	Direction.	Force, 0-12.	Amount of rain inches.	Barometer reduced to 32° and 29.957	Dry Bulb.	Humidity 0-100		Direction.	Force, 0-12.	Cloud, 0-10.	Max. in shade.	Min. in shade.	Max. in sun.	Min. on grass.	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.
W	1	ins. 30.163	62.1	76	S.W.	3	9	0.027	ins. 30.215	55.4	34	S.W.	0	7	65.1	53.9	117.6	47.0	Cloudy, showers, fine, dew, l. halo.		
T	2	.158	63.8	77	N.W.	2	9	.165	.072	60.8	90		3	9	66.3	55.2	114.0	49.8	Cloudy, fine, drizzle, showers.		
F	3	.217	62.0	62	N.W.	2	3		.397	52.5	71		0	2	64.1	52.4	113.0	44.4	Showers, clouds, extremely fine, l. halo.		
O	4	.548	59.0	65	N.	2	0		.628	53.5	78	N.E.	0	0	60.8	51.0	113.0	41.9	Clouds, extremely fine, clear.		
S	5	.654	56.1	75	N.E.	2	2		.648	55.0	76	N.E.	2	2	57.6	50.2	108.1	45.0	Cloudy, cool, fine, clear.		
M	6	.425	58.9	82	N.E.	2	2	.054	.313	57.2	81	N.E.	2	2	60.8	53.9	110.3	51.1	Dew, cloudy, showers, fair.		
W	7	.207	57.1	78	N.E.	2	6	.018	.683	56.2	79	N.E.	2	9	60.3	52.3	99.3	50.0	Cloudy, fine, showers, fair.		
T	8	29.957	60.3	70		0	1	.280	29.809	48.0	79	N.W.	1	6	65.0	47.5	111.0	42.0	Dew, fine, gloomy, rain, fair, l. halo.		
T	9	.605	64.1	67	S.W.	7	5	.670	.3-5	47.8	87	N.W.	2	4	55.8	46.0	104.1	41.5	S. halo, gale, rain, squally, hail, lightning.		
F	10	.635	55.0	65	N.W.	4	5	.200	.774	46.0	80	N.W.	3	5	50.0	43.2	102.2	38.3	Hail, showers, fair, squalls.		
S	11	.887	49.1	84	N.	3	9	.060	.878	45.8	81	N.W.	3	7	53.7	39.3	106.8	36.8	Hail, showers, unsettled, cold.		
M	12	30.179	49.2	83	N.	1	4	.100	30.036	49.3	61	N.E.	3	8	52.9	44.0	103.2	39.0	Hail, showers, breeze, very cloudy.		
T	13	.218	53.2	91	S.W.	3	9	.090	.217	48.0	93		0	10	56.7	44.3	106.4	40.7	Fine, cloudy, showers, fair.		
W	14	.386	55.5	76	N.W.	1	9	.040	.273	50.2	93		0	0	58.1	46.8	108.6	48.4	Showers, fair, calm, dew.		
T	15	.486	58.8	90	N.W.	1	9	.095	.424	54.8	94		0	10	58.2	47.8	100.6	40.9	Dew, overcast, fair, showers, calm.		
F	16	.542	59.3	86	N.W.	1	5	.050	.540	55.0	89		0	10	62.6	53.6	106.5	49.3	Showers, fair, mild, calm, drizzle.		
S	17	.494	58.0	82	N.	1	9	.092	.512	55.4	97	W.	2	10	61.2	52.4	104.6	50.1	Rain, fair, gloomy, drizzle.		
S	18	.443	56.3	85		0	10	.092	.476	55.2	88		0	9	54.0	54.0	109.3	49.3	Drizzle, cloudy, fine, mild, calm night.		
M	19	.434	56.5	94		0	10	.110	.414	54.5	87		0	10	58.6	51.8	75.2	40.5	Gloomy, fair, mild, calm.		
T	20	.372	56.3	68	E.	2	2	.085	.418	50.2	93		0	0	58.9	50.2	85.4	45.0	Showers, gloomy, drizzle, calm, dew.		
W	21	.195	54.0	80	E.	1	0	.085	.269	48.2	86	N.E.	2	0	57.1	48.2	99.0	42.2	Dew, very fine, cloudy, fair.		
T	22	29.993	57.3	78	S.E.	1	3		29.898	53.1	93	S.E.	2	0	58.0	46.2	102.0	40.3	Dews, misty, cloudless, extremely fine.		
F	23	.885	53.3	91	S.E.	2	9		30.041	51.1	85	N.E.	1	0	61.3	47.7	104.3	40.5	Dews, mild, extremely fine, calm.		
S	24	30.166	54.5	78		0	9	.075	.152	54.0	86	N.E.	1	5	57.9	50.0	103.2	44.6	Dews, gloomy, fair, very fine.		
S	25	29.900	56.6	90	S.W.	4	10	.075	.132	54.0	86	S.W.	1	5	58.8	46.8	92.0	40.0	Dews, calm, very fine, cloudy.		
M	26	30.095	49.0	82	N.W.	1	5	.015	29.971	52.2	68	N.W.	2	9	56.3	50.2	82.5	44.7	Squally, showers, overcast, fair.		
T	27	29.909	56.2	93	S.W.	5	10	.400	29.971	53.2	71	W.	4	10	64.8	47.2	103.5	43.7	Showers, fair, very cloudy, rough night.		
W	28	30.130	55.4	65	S.W.	0	2	.075	29.947	51.5	96	N.	1	10	59.5	50.8	87.1	49.6	Squally, drizzle, gloomy, wet night.		
T	29	.337	56.5	72	S.W.	2	3	.378	30.253	45.2	77		0	4	58.8	45.0	164.4	36.5	Rain, calm, extremely fine, dew.		
F	30	.354	50.0	80	S.	2	8	.299	.378	51.2	91	S.W.	1	7	59.9	45.1	102.8	38.0	Dews, clear, extremely fine, a. and l. halos.		
Highest		30.654	63.8	94	E & S.	7	10	.670	5th 9 a.m.	60.8	97	W & S.	4	10	66.3	55.3	117.6	51.1	Dews, cloudy, extremely fine, l. halo.		
Lowest		29.385	46.0	62	entries	0	0	.015	8th 7 p.m.	45.2	61	entries	0	0	52.9	39.3	75.2	36.0	N.B.—The necessary corrections for "index error" have been applied to the instrumental readings.		
Means		30.187	55.8	80.6	32	1.9	6.9	3.041	30.186	52.2	84.0	34	7.4	5.6	59.0	48.8	102.4	43.6			

REMARKS.—Unsettled weather, more fine days than usual, extraordinary number of calms, heavy dew, and lunar halos. Barometer : mean 30.187 i.e. 0.210 too high, and the highest on record for October; range 1.269, or 0.061 too high. Temperature : range 27.0, or 1.6 too great; daily range, 11.2, or 1.9 too great; mean, 53.9, or 0.3 too low. The mean was too high on 19 days; for the 2nd, the warmest day, it was 60.8 i.e. 3.0 too high; for the 11th, the coldest day, it was 46.5 i.e. 8.3 too low. The days were warmer, the nights colder than usual. Mean wind force, 37 per cent. too low. Rainfall, maximum 0.670, which fell in about 5 hours on the 9th-10th. Amount for the month, 1.477 or 83 per cent. too low. Mean temperature of sea near shore a.m. 58.0 i.e. 1.0 too high. Five lunar halos were observed, i.e. more than in any previous month. Bright sunshine : total record 182.75 hours, or 40 per cent. of the possible amount, and 9.64 hours more than the mean of the last 4 years; full record on one day; the brightest hour was from noon to 1 p.m. with a total of 18.04 out of 31 hours; the brightest week was that ending the 9th with 40.27 hours, the gloomiest that ending the 20th with 14.82 hours. The lowest maximum temperature in the sun's rays, viz., 75.2 on the 19th is higher than that for any previous October. It appears that the wettest day in October is the 21st, the driest the 1st. Rain is most frequent on the 21st, least frequent on the 18th.

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METEOROLOGICAL OBSERVATIONS TAKEN AT ST. AUBIN'S, JERSEY, DURING NOVEMBER, 1884.

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.				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 S. T.	Dry Bulb.	Humidity 0-100	Direction.	Force, 0-12.	Cloud, 0-10.	Amount of rain in inches.	Barometer reduced to 32° and S. T.	Dry Bulb.	Humidity 0-100	Direction.	Force, 0-12.				Cloud, 0-10.	Max. in shade.	Min. in shade.	Max. in sun.
S 1	ins.	49.8	93	S.E.	2	9		ins.	54.3	96	95	S.	3	9	48.7	67.4	47.2	Dews, gloomy, fair, mild evening.	
S 2	29.974	57.2	79	S.	2	9	0.380	.006	49.4	95	96	N.E.	3	10	49.4	67.4	47.2	Dew, fine a.m. gloomy, wet night.	
OM 3	30.114	49.0	75	N.E.	2	9		.006	50.2	92	92	N.E.	1	10	46.3	86.0	44.8	Showers, fair, very cloudy, overcast.	
T 1	.032	52.5	69	S.W.	3	5		.003	56.5	90	90	S.W.	3	10	49.8	100.6	47.8	Showers, fine a.m., overcast, windy night.	
W 5	.082	59.3	86	S.W.	3	5		.091	57.2	80	87	S.W.	3	8	62.2	102.0	52.2	Cloudy, very fine, extremely mild.	
T 6	.097	55.2	91	S.	3	10		.009	56.0	87	77	S.	3	2	53.7	73.5	50.0	Overcast, mild, dew, bright night.	
F 7	29.974	55.0	82	S.	3	10	.050	.196	50.5	77	77	N.W.	2	2	50.5	67.2	44.3	Dews, sunless, showers, fine.	
S 8	30.143	52.3	78	S.	3	0		.421	50.5	71	71	S.W.	2	0	44.4	94.3	36.3	Dew, calm, clear, extremely fine.	
S 9	.32	54.8	70	S.W.	1	2		.435	49.8	82	82	S.W.	2	0	48.0	100.0	40.7	Extremely fine, clouds, dew, calm.	
M 10	.330	53.5	69	F.	2	2		.462	51.3	83	83	N.E.	3	0	47.3	98.2	42.1	Dew, clouds, extremely fine.	
T 11	.403	49.0	86	N.E.	1	0	.040	.350	44.3	92	92	N.E.	2	10	51.4	89.8	40.2	Dew, very fine a.m., foggy, overcast.	
W 12	.310	46.4	90	N.E.	0	10	.005	.317	48.5	89	77	N.E.	2	10	48.5	53.0	43.3	Gloomy, clear, calm, fair.	
T 13	.349	47.3	98	N.E.	2	0		.382	49.7	77	77	N.E.	2	10	49.7	46.3	46.0	Drizzle, calm, gloomy, fair.	
W 14	.417	44.2	78	N.E.	2	0		.386	39.5	82	82	N.E.	2	0	40.0	89.0	35.1	Extremely fine, clouds, cold evening.	
S 15	.370	40.2	83	E.	2	0		.326	41.0	77	77	E.	2	0	44.0	83.1	32.3	Dew cold, a. halo, extremely fine.	
S 16	.287	41.0	77	N.E.	3	1		.218	41.1	80	75	N.E.	2	3	43.7	84.7	31.0	Hear frost, cold, extremely fine.	
S 17	.264	39.3	76	N.E.	2	9		.312	41.5	75	75	N.E.	1	7	41.5	70.2	31.5	Cold, gloomy, fine p.m., and night.	
● M 17	.380	47.7	71	N.E.	1	2		.408	46.0	70	70	N.E.	3	7	49.0	77.9	37.4	Fine, gloomy, rain drops, very cloudy.	
T 18	.380	47.7	63	N.E.	3	7		.494	45.2	76	76	N.E.	2	8	46.9	82.4	39.2	Very cloudy, overcast, fair.	
W 19	.477	45.0	66	N.W.	1	10	.200	.021	45.2	86	86	N.W.	2	8	50.5	97.3	39.0	Very cloudy, showers, fair, rain.	
T 20	.370	45.0	77	N.	3	7	.100	.29.967	44.0	65	65	N.E.	4	8	47.0	84.0	36.1	Hail, rain, very cloudy, squally.	
F 21	29.829	44.0	77	N.	3	4		30.214	44.6	68	68	N.E.	2	8	45.6	92.2	37.1	Squally, very cloudy, fair, dry.	
S 22	30.146	43.0	59	N.E.	3	4		.234	45.0	86	86	N.E.	0	10	47.0	73.3	36.4	Gloomy, fair, calm, showers.	
S 23	.223	45.2	63	N.	2	10	.270	.192	43.1	87	87	N.W.	0	8	50.8	91.3	34.3	Rain, fair, hail, heavy showers.	
M 24	.177	45.2	93	N.	0	5	.540	.432	43.1	87	84	N.W.	0	9	4.8	87.0	33.2	Rain, cloudy, very fine, showers.	
T 25	.72	43.5	75	N.E.	2	4	.020	.344	42.0	84	77	N.W.	1	6	49.8	92.8	31.8	Hear frost, showers, calm, fair.	
W 26	.376	45.0	85	N.W.	0	9	.033	.432	45.0	82	82	N.W.	2	2	52.1	91.2	36.5	Showers, very cloudy, clear evening.	
T 27	.408	48.3	77	N.W.	1	9	.40	.211	48.2	74	74	N.W.	1	4	52.0	86.5	36.8	Heavy showers, fair, rain, clear evening.	
W 28	29.924	50.0	84	N.W.	2	10	.080	.29.896	42.5	67	67	N.W.	2	2	49.8	85.5	33.3	Heavy showers, hail, fair, clear.	
F 29	.874	47.0	67	N.W.	1	4	.240	.30.019	39.5	84	84	S.	3	10	43.2	49.0	30.0	Gloomy, cold, fair, squally, showers.	
S 30	30.117	38.4	74			16	.190	.29.964	41.0										
Highest	30.470	59.3	98	E &c	3	10	.0540	8th p.m.	57.2	96		W &c	4	10	62.2	55.8	102.0	52.2	N.B.—The necessary corrections for "index error" have been applied to the instrumental readings.
Lowest	29.810	38.4	59	entries	0	0	.00521st 10am		39.5	65		entries	0	0	41.5	35.0	49.0	30.0	
Means	30.225	47.8	78.2	36	1.7	6.2	2.638	30.217	46.7	81.0		13	1.8	6.0	51.1	43.3	83.3	39.1	

REMARKS.—Extraordinary number of fine days; cold after the 10th; rainy after the 19th; many calms. Barometer: mean 30.221 i.e. 0.266 too high; range only 0.660, being the least recorded here for November and 0.707 too low. Temperature: range 27.2, i.e. 3.4 too high; mean, 47.2 or 1.3 too low; all the elements of temperature were too low. The mean was too low on 18 days; for the 5th, the warmest day, it was 59.0 i.e. 7.7 too high; for the 17th and 30th, the coldest days, it was 39.1 i.e. 7.2 too low. Wind force, 26 per cent. too low; 13 heavy dews instead of 6; 7 overcast days instead of 13. Rainfall, maximum 0.540 which fell in about 4 hours on the 24th—25th. Amount for the month, 2.486 too low or only 51 per cent. of the average. Mean temperature of sea near shore a.m. 52.0 i.e. 0.5 too high. Mean 6 feet below grass, 56.2, highest known. Bright sunshine: total record 86.14 hours, or 33 per cent. of the possible amount, and 15.12 more than the mean of the last four years. Full record on 10 days; no record on four days; the brightest week was that ending November 14th, with a total of 333.90 hours; the gloomiest that ending the 23rd with 11.43 hours; the brightest hour was that from 11 to 12 with a total of 14.17 out of 30 hours. It appears that the driest day in November is the 24th. The driest the 5th. Rain is most frequent on the 24th, least frequent on the 3rd. The twelvemonth ending November 1880 the total rain-fall for the period being 28.374 inches or 80 per cent. of the average.

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METEOROLOGICAL OBSERVATIONS TAKEN AT ST. AUBIN'S, JERSEY, DURING DECEMBER, 1884.
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.				Min. on grass.	Max. in sun.	Min. in shade.	Max. in shade.	Wind.	Cloud, 0-10.	Force, 0-12.	Cloud, 0-10.	Max. in shade.	Min. in shade.	Thermometers reset. at 9 p.m. daily.		
		Barometer reduced to 32° and S. L.	Dry Bulb.	Humidity 0-100.	Direction.	Force, 0-12.	Amount of rain in inches.	Barometer reduced to 32° and S. L.	Dry Bulb.	Humidity 0-100.	Direction.	Force, 0-12.	Cloud, 0-10.												Max. in shade.	Min. in shade.
M 1	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
W 2	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
T 3	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
W 4	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
T 5	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
F 6	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
S 7	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
M 8	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
T 9	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
W 10	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
T 11	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
F 12	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
S 13	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
M 14	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
T 15	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
W 16	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
T 17	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
F 18	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
S 19	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
M 20	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
T 21	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
W 22	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
T 23	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
F 24	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
S 25	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
M 26	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
T 27	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
W 28	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
T 29	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
F 30	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
S 31	29.539	45.5	95	0	9	0.125	30.013	44.5	90	0	10	50.0	42.2	35.0	77.5	38.0	77.5	38.0	0	10	50.0	42.2	35.0	77.5	38.0	
Highest		30.356	53.3	99	E & S	7	10	0.890	13th 9a	54.0	100	W & S	7	10	55.0	50.2	39.0	48.5						50.2	39.0	48.5
Lowest		29.160	53.0	66	calms	0	3	0.02	20th 4a	35.0	69	calms	0	1	37.2	33.0	43.3	28.9						33.0	43.3	28.9
Means		29.991	45.3	84.1	28	2.8	8.5	5.854	30.010	45.2	84.7	29	3.0	8.1	48.2	41.6	65.5	38.0						41.6	65.5	38.0

REMARKS.—Gloomiest December yet recorded here; roughest since 1876; mild and wet up to the 20th; cold after the 22nd. Barometer: mean 30.001 i.e. 0.030 too low; range, 1.198, i.e. 10 too low; no extreme readings. Temperature: range 22.0, or 2.3 too low; mean, 44.9 or 1.0 too high; all the elements of shade temperature were too high. The mean was too high on 17 days; for the 7th, the warmest day, it was 52.6 i.e. 7.2 too high; for the 29th the coldest day, it was 35.1 i.e. 6.3 too low; mean of solar maxima, 7.9 too low, and the lowest yet recorded except that for January, 1879. Rainfall, maximum 0.890, which fell in about 14 hours on the 8th-9th. Amount for the month, 2.196 or 60 per cent. too high. Mean temperature of sea near shore a.m., 48.0, i.e. 1.6 too high. Storm on the 24th, most violent between 4 and 5 a.m. Bright sunshine: total record 23 61 hours, or 10 per cent. of the possible amount, and 18.12 hours less than the mean of the last four years. Full record on 20 day; in record on twelve days; the gloomiest week that ending the 27th with 3.79 hours; the brightest that ending the 10th, with 7.60 hours. Rain is most frequent on the 1st, least frequent on the 31st. For the year 1884 the mean height of the barometer was 30.072, (the highest annual mean yet obtained, and 0.828 above the average of the last nine years); the mean temperature for the twelvemonth was 53.1, or 1.2 too high; the total rainfall, 32.699 inches, or 2.671 inches too low; the total number of very fine days was exactly one hundred, which raises the annual mean from 68 to 71.

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