

METEOROLOGY FOR JULY, 1879.

PRIVATE OBSERVATORY, HOBART TOWN.  
 Latitude 42° 32' 13" S.; Longitude 147° 20' 22" E.  
 (Registered for the Royal Society of Tasmania.)

Day of Month	Bar corrected for instrumental error, and to mean sea level		Thermometers (Reading)		Thermometers (Self-Registering)		Wind.		Clouds.		Relative Humidity Per cent	Rain in inches	Spon. Evap 7 30 a.m.	Ocean Current 7 30 a.m.		
	7 30 a.m.	4 30 p.m.	Centigrade, 7 30 a.m.	Fahrenheit, 7 30 a.m.	Highest in Sun, 4 30 p.m.	Highest in Shade, 4 30 p.m.	Force in the per square foot.	Direction from.	Force in the per square foot.	Character.					Amount.	
1	30	27.5	20	68	82	49	25	8	52	NW	52	0	0	0	0	0
2	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
3	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
4	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
5	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
6	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
7	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
8	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
9	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
10	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
11	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
12	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
13	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
14	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
15	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
16	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
17	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
18	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
19	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
20	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
21	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
22	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
23	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
24	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
25	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
26	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
27	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
28	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
29	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
30	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0
31	30	28	19	68	80	50	24	NW	26	NW	0	0	0	0	0	0

Mean Press 29.953	Mean 5.10	Mean 44.87	Mean 53.00	Mean 54.90	Mean 32.10	Mean Force 19.1lb.	Mean for Month 7	Mean 91	TI -62	TI -51	TI 122
Greatest do 30.440	Max 10.00	Max 58.00	Max 60.00	Max 60.00	Max 30.00	Greatest Force 52.1lb.	Prev. Character K				Mean 4.0
Least do. 29.259	Min. 1.50	Min. 0	Min. 43.00	Min. 27.00		Least Force. 0					

The Meteorological form brought into use as the beginning of 1879 differs in some respects from the former one. It has been adapted with the view of assimilating the Hobart Town records more closely with those of stations in Europe, America, etc., in order to co-operate in a system of International Meteorology. Readings are added from the centigrade thermometer, that being the instrument generally used on the continent of Europe.

The mean is in all cases taken from the sums of the two daily readings, not from the maximum and minimum.

The direction of the wind is registered from currents at a height of 92 feet above sea level, and its force in Rux per square foot.

The total quantity of rain that fell under the present state is registered each morning at 7 30 a.m.

FRANCIS ABBOTT, F.R.A.S., etc.

Time of leading, flowering, fruiting etc., of a few standard plants in the Botanic Garden, Hobart Town, during the month of July, 1879:—

- 18th.—*Cytisus leucanthus* commencing to flower.
- 24th.—*Arbutus unedo* commencing ditto.
- 24th.—*Garrya stipitata* commencing ditto.
- 26th.—*Yellow Crocus* commencing ditto.
- 31st.—*Cosmos Almond* commencing ditto.
- 31st.—*White Mulberry* commencing ditto.

F. ABBOTT, JUN., Superintendent.