

METEOROLOGY FOR AUGUST, 1870.

PRIVATE OBSERVATORY, HOBART TOWN.  
 Latitude 42° 52' 13" S.; Longitude 6h 46m 29.2s E.  
 (Registered for the Royal Society of Tasmania.)

Day of Month.	Bar. corrected for temperature and atmospheric pressure to mean sea level.		Thermometers (Reading.)		Thermometers (Self-Registering.)		Wind.		Clouds.		Relative Humidity.		Rain in inches.		Snow.		Other.		
	7 30 a.m.	4 30 p.m.	Fahrenheit, 7 30 a.m.	Fahrenheit, 4 30 p.m.	Highest in Sun, 4 30 p.m.	Highest in Shade, 4 30 p.m.	Lowest on Grass, 7 30 a.m.	Direction from.	Force in lbs per square foot.	Direction from.	Force in lbs per square foot.	Amount.	Character.	Amount.	Character.	Per cent.	Rate in inches.	Spun.	Other.
	7 30 a.m.	4 30 p.m.	Fahrenheit, 7 30 a.m.	Fahrenheit, 4 30 p.m.	Highest in Sun, 4 30 p.m.	Highest in Shade, 4 30 p.m.	Lowest on Grass, 7 30 a.m.	Direction from.	Force in lbs per square foot.	Direction from.	Force in lbs per square foot.	Amount.	Character.	Amount.	Character.	Per cent.	Rate in inches.	Spun.	Other.
1.22 540 23 828	5	47	50	96	55	36	NW	0	SE	0	K	8	K	8	80	88	0	1	0
3.19 914 29 872	5	41	59	57	55	38	SE	0	NW	0	K	6	N	7	78	88	0	1	0
5.30 125 29 864	2	36	44	0	53	34	N	0	S	0	K	8	N	10	83	73	0	4	0
7.45 091 29 986	5	41	45	95	59	39	NW	0	NW	0	N	10	K	6	84	90	0	10	0
9.59 064 29 748	0	48	59	0	65	39	NW	0	NW	0	K	8	K	10	82	77	0	2	0
6.30 215 29 941	4	39	51	90	54	28	NW	0	NW	0	K	4	K	8	80	79	0	10	0
7.39 854 30 483	4	46	47	75	52	29	NW	0	NE	0	K	8	K	10	85	87	0	5	0
8.30 314 30 259	6.5	44	59	33	55	25	NE	25	S	26	K	7	K	10	99	86	0	4	0
9.29 010 29 942	0	48	59	0	67	34	N	0	S	0	K	7	K	10	90	86	0	5	0
10.25 810 29 708	4	40	50	0	54	23	NW	0	N	0	K	19	K	8	85	74	0	1	78
11.25 800 29 894	6	44	51	97	57	24	NW	0	NW	0	K	10	K	10	80	76	0	3	0
12.29 562 29 542	5	41	45	0	55	23	NW	0	NW	0	K	10	N	10	84	109	0	4	0
1.29 010 29 831	8	44	49	72	54	20	S	0	S	0	K	10	K	7	83	89	0	8	10
1.49 000 29 827	6	43	47	85	53	37	E	0	E	0	K	7	K	7	85	80	0	1	0
1.59 710 29 851	8	47	52	90	55	38	NW	0	N	0	K	8	K	7	74	70	0	2	0
3.75 515 29 445	4	43	53	90	57	39	NW	0	NE	0	K	10	K	10	70	86	0	10	0
4.79 050 29 141	5	45	51	75	54	35	NW	0	NW	0	K	19	K	8	80	86	0	2	10
15.29 058 21 043	5	45	40	0	53	24	N	0	N	0	K	9	K	9	90	74	0	3	0
19.29 050 30 138	11	52	55	109	61	21	N	0	NW	0	K	7	K	10	86	75	0	37	0
20.29 25 30 108	10	50	49	103	58	28	NW	0	NW	0	K	8	K	8	74	60	0	10	0
21.30 144 30 074	9	49	59	93	45	24	NW	0	NW	0	K	8	K	10	74	61	0	1	0
22.30 27 30 142	7	45	55	72	64	34	NW	0	N	0	K	10	K	10	79	75	0	2	0
23.30 298 31 001	10	51	61	106	60	37	N	0	N	0	K	7	K	10	75	72	0	4	0
24.29 040 30 042	18 5	51	61	73	65	37	NW	0	NW	0	K	6	K	7	84	82	0	3	0
25.30 21 30 024	11 5	55	65	105	69	28	NW	0	NW	0	K	4	K	4	0	72	0	3	0
26.30 15 30 010	7	41	50	111	68	37	NW	0	SE	0	K	10	K	10	79	76	0	10	0
27.30 274 30 314	10	59	56	105	62	38	SE	0	E	0	K	10	K	3	59	75	10	4	0
28.30 140 30 015	9	48	59	110	65	37	NE	0	SE	0	K	7	K	4	86	77	0	2	0
29.29 050 29 050	10	50	57	87	62	38	NW	0	S	0	K	8	K	10	10	10	0	0	0
30.29 091 30 074	10	59	53	100	68	36	S	0	K	0	K	8	N	4	81	74	0	7	10
31.29 219 30 258	6	43	52	73	55	34	NW	0	NE	0	K	19	K	7	77	70	0	10	0
Mean Press 50 00	Mean 7.21	Mean 49.71	Mean 58.78	Mean 57.30	Mean 25 0	Mean 25 lb.	Mean for Month.	8	Mean 80	TI 2 27	TI 1 95	TI 1 68	Mean 5.43						
Greatest do 30 485	Max 11 50		Max 112 0	Max 69 00	Max 28 0	Greatest Force 2 60 lb.	Prev. Character, K		Mean 5.43										
Least do., 23 043	Min. 4 00		Min. 43 00	Min. 25 0	Min. 25 0	Least Force. 0													

The Meteorological form brought into use as the beginning of 1870 differs in some respects from the former one. It has been adapted with the view of assimilating the Hobart Town results 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 10 feet above sea level, and its force in lbs per square foot. The relative quantity of rain that fell under the different winds is registered each morning at 7 30 a.m. FRANCIS ABBOTT, F.R.S., etc.