

METEOROLOGY FOR SEPTEMBER, 1879.

PRIVATE OBSERVATORY, HOBART TOWN.

Latitude 42° 52' 13" S.; Longitude 147° 49' 29" E.
(Registered for the Royal Society of Tasmania.)

Day of Month	Time corrected for instrumental error, and to mean sea level	Thermometers		Thermometers		Wind		Clouds		Relative Humidity Per cent	Rain in Inches	Spec. Evap.	Other.	Claus. Scale						
		(Reading.)		(Self-Registering)																
		Centigrade, 7 30 a.m. 4 30 p.m.	Fahrenheit, 7 30 a.m. 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.					
7 30 a.m.	4 30 p.m.	Centigrade, 7 30 a.m. 4 30 p.m.	Fahrenheit, 7 30 a.m. 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.	7 30 a.m.	4 30 p.m.	7 30 a.m.	4 30 p.m.						
1	30 076	29 758	6 5	44	52	100	95	38	NW	0	2	NW	52	K	3	70	51	94	4	
2	28 724	29 618	12	54	69	105	92	43	N	0	2	NW	52	K	3	63	54	92	4	
3	29 128	29 925	12	54	65	107	64	44	NW	52	SW	52	K	3	7	65	61	92	4	
4	30 340	30 242	8	49	52	75	57	40	S	52	SE	52	K	10	10	70	61	92	4	
5	30 241	30 172	8	47	55	95	63	37	N	0	SE	0	K	7	2	79	75	75	4	
6	30 112	29 071	9	49	59	101	80	30	NW	52	SE	52	K	3	7	80	70	75	4	
7	30 008	30 016	10	50	62	103	65	42	NW	52	E	52	K	4	10	74	70	75	4	
8	30 145	30 159	11	54	65	109	70	43	NW	52	SE	52	K	3	7	71	64	92	4	
9	30 213	30 221	12	54	67	75	67	45	S	0	SE	0	K	10	10	58	57	92	4	
10	29 275	30 214	10	51	59	106	82	4	NE	52	NW	52	K	3	7	74	62	92	4	
11	30 083	30 208	11	50	65	114	68	46	NW	52	N	52	K	10	10	55	54	92	4	
12	29 022	29 584	13	56	56	75	59	45	NW	52	NW	52	K	10	10	7	68	71	12	5
13	28 957	29 788	11	55	61	108	65	45	NW	20	NW	52	K	4	2	64	63	92	4	
14	29 031	30 089	10	51	61	118	65	41	NW	52	W	52	K	7	10	86	84	90	2	
15	30 237	30 234	11	52	50	98	62	42	W	0	S	0	K	10	10	80	75	31	4	
16	30 730	30 141	9	49	58	117	85	40	NW	52	S	52	K	4	10	68	77	92	5	
17	30 330	29 898	11	52	57	110	63	41	SW	0	SE	0	K	10	10	55	51	92	3	
18	29 892	29 738	10	50	51	85	65	40	S	0	SE	0	K	10	10	70	63	94	1	
19	29 641	29 618	10	50	53	59	61	49	S	20	S	52	K	10	10	93	92	91	10	
20	29 055	29 018	9	49	58	102	82	35	SW	20	S	25	K	3	7	78	76	91	3	
21	29 947	29 925	11	52	53	75	68	37	S	20	E	50	K	7	10	74	69	92	10	
22	29 942	29 716	15	55	61	82	64	41	N	52	NW	52	K	10	10	70	68	92	4	
23	29 433	29 104	10	51	60	72	64	39	N	0	NW	0	K	10	10	75	62	94	4	
24	28 641	29 537	10	51	60	120	62	39	NW	0	S	52	K	5	10	80	85	99	6	
25	29 013	29 508	12	53	59	130	69	40	NW	52	NW	52	K	4	10	87	83	92	5	
26	29 433	29 451	11	54	52	120	64	39	SE	0	N	0	K	10	10	75	68	92	5	
27	29 608	29 606	10	57	59	113	63	37	NW	26	W	52	K	4	10	74	69	94	6	
28	29 736	29 043	5	41	48	75	68	35	SW	0	S	52	N	10	10	83	89	99	5	
29	29 853	29 927	9	40	59	112	60	38	NW	52	NW	52	K	8	10	73	65	94	10	
30	29 945	29 975	7	45	47	75	57	34	SW	52	SW	52	K	10	10	73	60	94	30	

Mean Press 29 800	Mean 10 20	Min. Tem. 54 27	Mean 97 27	Mean Mean 63 43 40 30	Mean Force 0 46 lb.	Mean for Month. 7 0	Mean 75	TI. 92	TI. 94	TI 127
Greatest do. 30 275	Max 12 50	Max. 120 60	Max. Max. 70 65 40 10	Greatest Force 5 21 lb.	Prev. Character, K	Mean 4 23				
Least do., 28 724	Min 5 00	Min Min Min 58 00 67 00 34 00		Least Force. 0						

The Meteorological form brought into use at the beginning of 1879 differs in some respects from the former one. It has been adopted 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.

Of the 30 observations on atmospheric electricity, there were 8 positive and 19 negative indications, with 3 nulls. The total force being 1,110.

The mean is in all cases taken from the sums of the two daily registers, 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 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.A.S., etc.