

RESULTS
OF
METEOROLOGICAL OBSERVATIONS

MADE IN TASMANIA

From 1st January to 30th June, 1866.

FOR THE PAPERS AND PROCEEDINGS OF THE
ROYAL SOCIETY.

REDUCED AND PRINTED UNDER THE SUPERINTENDENCE OF
F. ABBOTT, F.R.A.S., &c.

Private Observatory, Hobart Town.

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LOCALITY.	HEIGHT ABOVE THE SEA AND LATITUDE.	OBSERVER.	ATMOSPHERIC PRESSURE.		TEMPERATURE OF AIR IN THE SHADE.						
			Barometer Readings, Air and Water.	Water or Elastic Force of Va- pour.	Mean Maxi- mum. — Shade.	Mean Mini- mum. — Shade.	Maxi- mum. — Sun.	Monthly Mean.	EXTREMES.		
									Highest Maxi- mum.	Lowest Mini- mum.	
	feet. o		inches.	inches.	o	o	o	o	o	o	
APRIL.	Hobart Town	37-42-52	F. Abbott . . .	30-017	347	63-87	49-07	115-00	57-33	79-00	38-00
	King's Island	135-39-35	E. N. Spong . .	30-13	-	64-00	54-50	-	59-47	71-00	49-00
	Kent's Group	280-39-29	C. C. Baudinet	29-81	-	69-50	54-00	-	62-00	80-00	48-00
	Goose Island	26-40-18	E. Richardson	29-95	-	64-00	56-00	-	60-00	70-00	50-00
	Swan Island	104-40-44	W. Walters . .	30-10	-	66-00	54-50	-	60-00	72-00	48-00
	Swansea . . .	18-	G. F. Story . .	29-890	375	67-90	46-66	118-00	58-10	79-00	37-00
	Port Arthur	55-43-9	J. Boyd	29-881	359	63-70	57-97	83-00	58-60	72-00	45-00
	Mt. Nelson . .	1191-	J. Duffey . . .	30-00	-	-	-	-	54-30	-	-
	South Bruni	250-43-30	J. H. Scott . .	30-00	-	62-00	50-00	-	55-00	73-00	52-00
Tamar Heads	25-41-3	R. Henry . . .	29-968	436	64-63	52-23	-	59-81	70-00	42-00	
Westbury . .	700-41-31	F. Belstead . .	30-167	404	65-73	45-80	116-00	56-50	79-00	31-00	
							MEAN	58-28		SUMS	
MAY.	Hobart Town	37-42-52	F. Abbott . . .	29-932	342	63-70	46-35	105-00	54-20	75-00	39-00
	King's Island	135-39-35	E. N. Spong . .	29-99	-	57-00	55-50	-	56-30	66-00	42-00
	Kent's Group	280-39-29	C. C. Baudinet	29-70	-	65-00	49-50	-	60-00	76-00	42-00
	Goose Island	26-40-18	E. Richardson	29-89	-	61-00	50-00	-	58-25	70-00	40-00
	Swan Island	104-40-44	W. Walters . .	30-00	-	61-50	56-50	-	57-40	69-00	43-00
	Swansea . . .	18-	G. F. Story . .	29-782	354	63-98	46-00	115-00	55-99	71-00	36-50
	Port Arthur	55-43-9	J. Boyd	29-778	357	60-60	55-42	75-00	56-50	68-00	44-00
	Mt. Nelson . .	1191-	J. Duffey . . .	29-80	-	-	-	-	52-00	-	-
	South Bruni	250-43-30	J. H. Scott . .	29-90	-	56-00	47-50	-	54-00	68-00	38-00
Tamar Heads	25-41-3	R. Henry . . .	29-86	409	61-58	50-63	-	57-03	66-00	44-00	
Westbury . .	700-41-31	F. Belstead . .	29-975	353	59-90	41-45	108-00	50-80	69-00	30-00	
							MEAN	55-68		SUMS	
JUNE.	Hobart Town	37-42-52	F. Abbott . . .	29-977	266	57-53	39-60	93-00	48-83	68-00	29-00
	King's Island	135-39-35	E. N. Spong . .	30-06	-	54-00	46-00	-	51-37	60-00	41-00
	Kent's Group	280-39-29	C. C. Baudinet	29-80	-	58-50	48-00	-	53-00	65-00	40-00
	Goose Island	26-40-18	E. Richardson	29-90	-	54-50	50-00	-	50-00	60-00	44-00
	Swan Island	104-40-44	W. Walters . .	30-00	-	56-00	48-00	-	52-35	61-00	39-00
	Swansea . . .	18-	G. F. Story . .	29-752	283	55-78	39-88	112-00	50-74	68-00	31-00
	Port Arthur	55-43-9	J. Boyd	-	-	-	-	-	-	-	-
	Mt. Nelson . .	1191-	J. Duffey . . .	29-70	-	-	-	-	46-00	-	-
	South Bruni	250-43-30	J. H. Scott . .	29-90	-	53-50	44-50	-	49-34	65-00	37-00
Tamar Heads	25-41-3	R. Henry . . .	29-926	319	55-80	46-27	-	50-40	58-00	34-00	
Westbury . .	700-41-31	F. Belstead . .	30-158	285	52-00	37-30	91-00	46-50	58-00	24-00	
							MEAN	49-85		SUMS	

The mean max. and mean min. thermometer readings for Hobart Town, Swansea, Port Arthur, Tamar
mean of the highest

In connection with this Table there is recorded in the Papers and Proceedings of the Society for August, 1867, page 27, a remarkable storm which occurred in the month of March, 1866, the effects of which were felt in greater or less degree at King's Island, Kent's Group, and South Bruni.

An inspection of the Table will at once show the climate recorded during the six months ending June, 1866, at each Station, and comparisons of the difference can be readily drawn.

PREVAILING DIRECTION AND FORCE OF WIND IN POUNDS PER SQUARE FOOT.

PREVAILING DIRECTION AND FORCE OF WIND IN POUNDS PER SQUARE FOOT.																TOTAL FORCE FOR THE MONTH.	RAIN.	
N	Force.	N.E	Force.	E.	Force.	S.E.	Force.	S.	Force.	S.W.	Force.	W.	Force.	N.W.	Force.		No. of Days on which Rain fell.	Amount collected.
	lb.		lb.		lb.		lb.		lb.		lb.		lb.		lb.		lb.	inches.
7	5.46	8	.78	5	.52	14	8.07	2	1.04	12	5.46	10	14.32	32	20.81	56.46	7	1.02
8	1.95	5	1.56	19	5.85	7	1.56	10	14.95	18	35.61	17	24.18	6	.91	86.57	10	3.00
15	3.38	16	5.02	3	1.30	0	.00	2	.26	16	31.25	33	117.19	5	5.99	164.39	7	0.84
6	1.82	11	2.86	15	4.68	0	.00	5	.78	9	7.80	34	15.60	10	1.82	35.36	3	1.04
7	1.82	4	1.30	19	9.10	3	1.04	0	.00	18	31.48	38	53.30	1	.26	98.30	4	2.18
7	4.16	10	3.90	12	2.60	8	7.02	5	3.64	19	39.05	16	4.42	12	9.36	74.15	9	1.65
1	.26	12	3.42	0	.00	14	4.94	11	11.19	23	27.05	4	3.64	25	7.80	48.28	13	2.16
2	.78	1	.26	2	.52	3	.78	13	3.38	9	2.86	30	51.21	29	20.29	80.08	5	1.06
17	3.90	3	.52	7	2.34	6	1.30	15	24.74	19	74.22	15	34.12	8	2.34	143.48	9	2.59
3	.78	12	3.12	0	.00	23	5.98	0	.00	2	3.12	33	51.81	6	1.56	66.37	5	2.65
8	1.30	15	.52	3	.52	11	1.04	1	.26	6	2.08	5	.78	41	7.02	13.52	8	1.87
81	25.61	97	23.26	85	27.43	89	31.73	64	60.24	151	259.98	235	370.57	175	78.16	866.96	80	20.06
6	3.38	2	.26	7	1.04	8	2.86	4	5.73	11	19.27	4	.78	51	22.37	55.69	10	1.82
10	10.92	13	4.42	11	6.37	2	.39	8	14.84	13	38.88	17	44.49	14	23.83	144.14	22	13.25
18	5.72	11	9.63	7	6.51	2	15.62	3	21.10	11	52.60	30	94.00	11	10.67	215.85	11	4.32
14	4.94	3	.78	25	9.88	3	5.73	2	2.86	17	19.50	23	12.74	6	2.08	58.51	8	2.30
6	1.56	7	2.34	15	19.00	9	17.45	2	.52	21	23.88	21	7.28	12	5.46	77.49	9	3.17
9	1.82	9	4.68	9	4.42	4	37.49	10	28.38	13	15.09	25	3.38	14	10.41	105.67	12	4.07
2	.52	14	4.68	0	.00	15	21.61	7	14.05	15	5.12	1	.26	39	30.44	80.28	15	3.86
3	.78	0	.00	3	1.04	5	1.30	13	18.23	20	12.80	12	4.60	37	24.18	62.93	6	2.09
10	2.60	5	8.33	5	21.62	6	16.40	17	22.65	4	8.05	10	8.32	36	12.74	100.72	10	4.74
5	2.08	11	2.86	3	.78	23	23.95	1	.26	4	1.82	23	15.86	12	9.88	57.49	7	2.83
10	.75	0	.00	0	.00	6	4.16	1	2.60	16	4.16	5	1.82	53	7.54	21.06	13	3.64
98	35.07	75	37.98	85	70.66	83	146.96	68	131.22	145	201.18	171	193.53	285	159.60	979.83	123	46.09
7	3.38	3	.00	1	.00	1	.00	1	5.21	8	12.24	15	29.40	51	23.61	78.84	12	1.86
2	10.94	9	2.77	13	6.50	3	1.04	6	1.69	14	41.91	26	93.93	17	57.54	216.32	22	4.30
4	3.38	16	4.68	6	1.30	6	1.82	4	3.12	1	5.21	44	290.30	9	12.23	322.04	13	2.97
6	4.42	12	4.16	7	2.08	1	.26	9	1.82	11	15.34	35	43.18	9	5.72	76.98	12	1.81
3	.78	8	8.26	1	.26	9	3.38	8	2.08	23	49.84	34	69.06	4	1.82	135.48	15	2.15
11	7.81	7	2.34	2	.52	2	.52	8	29.16	18	69.01	23	28.13	17	44.26	181.75	8	.85
4	1.04	0	.00	3	.78	0	.00	1	.26	12	9.25	18	12.13	52	26.29	49.75	8	1.70
16	6.76	0	.00	0	.00	0	.00	13	104.20	8	32.55	27	56.75	26	16.40	216.66	10	3.95
0	.00	4	8.06	3	.78	18	4.68	2	.52	5	1.82	38	133.04	14	18.74	167.64	10	2.75
17	7.81	1	.00	1	.00	9	1.04	7	1.04	10	1.82	8	22.65	37	15.60	49.96	13	4.71
70	46.32	60	30.27	37	12.22	49	12.74	59	149.10	110	238.99	268	578.57	236	227.21	1495.42	123	26.15

Heads, and Westbury, are taken from the sums of each column, and for the remaining Stations from the and lowest registered.

On previous occasions these Tables have been discussed for the purpose of ascertaining the difference of climate at each Station with regard to horticultural and other purposes; but the main object contemplated is the investigation of the general and local currents of atmospheric air as affecting the maritime position of the Stations. This object, in connection with the present Table, will be found by referring to the above-named Proceedings of the Society.