

(No. 44.)



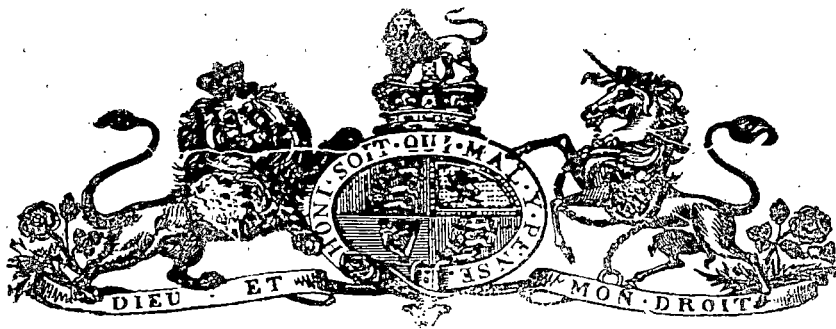
1884.

PARLIAMENT OF TASMANIA.

METEOROLOGICAL OBSERVER :

REPORT FOR 1883.

Presented to both Houses of Parliament by His Excellency's Command.



REPORT of the Meteorological Observer for the Year 1883.

SIR,

I HAVE the honor to submit, for your information, Report, with tabular forms, of the Meteorological Department for the year 1883.

Observations have been carefully recorded throughout the year at Hobart, Southport, and Low Head.

Through the great delay which occurred in England in forwarding instruments ordered for this Department, meteorological observations were not recorded at the out-stations so early as I expected they would have been, therefore the number of first class stations, viz., eight—Hobart, Southport, Oatlands, Falmouth, Launceston, Low Head, Stanley, and Corinna—was not complete until late in the year. A thermometer-shed has not been built at Corinna, as I purpose to make Mount Heemskirk the meteorological station on the West Coast, and take advantage of the telegraph line to that place. There are second class stations at Mount Bischoff and Fingal, with maximum and minimum thermometers and rain-gauges; as also third class stations, recording the rain-fall and weather, at 17 places in Tasmania, exclusive of five lighthouse stations.

At Hobart, meteorological observations have been recorded since the end of July at the most southern building in the Barracks, which, with the grounds attached, is a most suitable position for taking observations.

The self-registering aneroid barometer, with clock attached, purchased, on the recommendation of Sir J. H. Lefroy, from T. B. Winter, Newcastle-on-Tyne, has been of great service in denoting the fluctuations of pressure both by day and night. The instrument has worked well, and keeps in good order.

By the end of June, 1884, the transit-shed will be erected and the instrument adjusted, when I shall be in a position to give the true time at Hobart, which will be a consideration in arranging for an accurate time signal to be given in connection with the telegraph service.

In April, 1884, there will be an addition of self-recording wind-gauges, giving the pressure and direction. The Observatory will then be very complete as to instruments for recording the state of the weather.

I have further to report that Tasmania has been visited during the year with frequent earthquake shocks and tremors. The first intimation I received was from Mr. O. C. Heiden, of Gould's Country. He reported that three distinct shocks of earthquake were felt on 12th and 13th of April. Since then they have increased in force and frequency, principally in the N.E. portion of the Colony, north of latitude 42° S., and to the eastward of longitude 147° E. Shocks were also felt in the islands at different times, both in Bass' Straits and those lying to the eastward of Tasmania.

I have the honor to be,
Sir,

Your obedient Servant,

The Hon. J. S. DODDS, Treasurer.

J. SHORTT, Meteorological Observer.

THE following interesting Phenomena were observed during the Year 1883.

January.—Heavy rain on the 16th, 1·48 inches recorded in the 24 hours.

February.—Lightning on 12th and 29th, with thunder. Slight aurora on 8th. Gale from S.W. on 28th. Barometer falling to 28·905 inches.

March.—On 1st March 1·45 inches of rain registered. Thick misty weather from 18th to 23rd.

April.—The annual eclipse of the moon on 22nd was well defined. Lunar rainbow from a quarter to seven to a quarter past, same evening. Three slight shocks of earthquake were felt at Gould's Country on 12th and 13th. Mr. A. B. Biggs, of Launceston, gave the position of the great comet of 1882, on the 1st April, as R.A. 5h. 57m., Decⁿ. 9° 56' S.: it was then a very faint object.

May.—Snowing on Mount Wellington on the 8th and 18th. Two inches of snow fell at Oatlands on 19th. Shock and tremors slight in the N.E. portions of the Colony a few times.

June.—Snowing on Mount Wellington on 22nd, 23rd, and 29th. Fogs very frequent in the early part. Heavy rains in the north. Shocks and tremors still continue in the same vicinity. Some are pronounced as heavy.

July.—Fogs very frequent in the nights and early mornings. Sharp frost on 23rd and 24th. Heavy gales from N.W. on 11th and 12th. Slight shocks still occurring in the N.E. Heavy on 30th, between 7h. 50m. and 8h. P.M.

August.—Gales from N.W. on 6th, 14th, and 26th. Shocks still continue, and felt over a larger area, heavy on 30th, a little before and after 9 P.M. Tidal disturbance at the Huon on 28th and 29th, the tide coming in with great force; mounds of mud were thrown up in places. Snow fell on Mount Wellington several times in the month.

September.—22nd, between one and two hours after sunset the sky to the westward was illuminated with an unusually rose-tinted colour, appearing a few other evenings in the remainder of the month. The zodiacal light was visible at the end of the month several times. Shocks still continue.

October.—Snowing on Mount Wellington on 27th. Hail 25th and 31st. On the 21st, after nearly six weeks of dry weather, heavy rain set in. Shocks and tremors continue, but not so severe. The twilight glows were observable on most clear evenings. The 13th was the last evening that the very brilliant and roseate hue was observable, which was the time the zodiacal light was last seen.

November.—Snowing on Mount Wellington on 14th. Thunder and lightning on 13th and 14th. Very hot and sultry on 21st and 22nd. Brilliant display of the Aurora on 22nd. Sunset glows have been continuous throughout this month, but with diminishing brilliance. Shocks and tremors have also been frequent, but generally with less force, excepting that of the 14th, which was also felt at Hobart.

December.—Strong gale from N.W. 18th and 30th. Lightning on 19th and 21st. Sunset glows have continued during the month with less brilliancy, excepting on one or two occasions when they were very bright. Earthquake shocks very frequent in the N.E. of the Island. The direction of wave as given by different observers is as from N. to S., N.E. to S.W., N.W. to S.E., and E. to W.

A comet was observed by Mr. Thirlwall, at Hobart, about 4 A.M. of 25th, 8 or 10 degrees above the horizon, bearing E.N.E.

J. SHORTT, *Meteorological Observer*

The Hon. J. S. Dodds, Treasurer.



SCHEDULE of Returns furnished with this Report :—

1. Abstract of Observations taken at Hobart.
2. Ditto Southport.
3. Ditto Low Head.
4. Ditto four Stations latter part of the year.
5. Rainfall in Tasmania.
6. Mean and Extreme results at Hobart.
7. Maximum Temperature of Air in Shade at Hobart.
8. Minimum ditto ditto.
9. Summary of Direction of the Wind at Hobart in 1883.
10. Rainfall at Lighthouse Stations.

METEOROLOGY.

TABLE No. 1.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT HOBART FOR 1883.

Latitude, 42° 53' 25": Longitude, 147° 20' 7" E. Height of Observatory above Mean Sea Level, 190 feet. Barometer corrected to 32° Fahrenheit, and reduced to Mean Sea Level.

1883.	MEAN OF BAROMETER.			MEAN SHADE TEMPERATURE OF AIR.			RADIATION.		MEAN HUMIDITY.	THERMOMETER IN SHADE.						RAIN.		PREVAILING WINDS.		CLOUDS.	DEW POINT.	PRESSURE OF VAPOUR.
	9 A.M.	3 P.M.	9 P.M.	9 A.M.	3 P.M.	9 P.M.	Solar Max.	Terrestrial Min.	Month.	Maximum.	Mean Maximum.	Minimum.	Mean Minimum.	Mean Diurnal Range.	Mean Temperature of Month.	Total Fall.	No. of days Rain fell.	Direction.	Force.	Amount.		
January	Inches. 29·990	Inches. 29·955	Inches. 30·006	° 65·2	° 66·3	° 59·4	..	..	·742	° 84·2	° 71·4	° 49·6	° 56·2	° 15·2	° 63·7	Inches. 3·60	9	E.S.E. & N.W.	(0—12) 1·9	(0—10.) 7·0	° 55·3	·438
February	29·873	29·826	29·873	63·1	65·2	59·5	..	..	·753	80·0	69·5	48·0	55·5	14·0	62·6	2·08	14	E.S.E. & W.	2·0	7·0	54·7	·428
March	30·051	30·019	30·041	61·7	66·7	60·4	..	..	·758	86·0	68·6	46·8	55·3	13·0	62·9	3·62	14	S.S.E. & N.W.	1·7	6·4	56·5	·457
April	30·081	30·032	30·073	58·0	63·2	56·2	..	..	·768	73·5	66·0	43·0	50·9	15·1	59·1	0·48	9	S. & N.W.	1·8	5·8	51·8	·385
May	30·002	29·951	29·987	48·1	54·3	48·0	..	..	·781	69·2	56·6	34·8	42·2	14·4	50·1	1·70	12	S. & N.W.	1·8	6·4	44·1	·289
June	29·876	29·830	29·867	49·6	55·4	50·7	..	..	·774	62·3	57·4	39·2	45·0	12·4	51·9	1·61	17	S. & N.W.	2·6	6·9	44·9	·298
July	29·948	29·907	29·946	43·3	51·6	45·0	..	..	·785	60·0	52·9	30·5	40·1	12·8	46·6	1·23	12	S. & W.N.W.	2·1	5·7	39·8	·245
August	29·817	29·756	29·800	48·7	54·4	48·1	..	..	·695	64·0	56·4	34·6	43·4	13·0	50·4	1·82	14	S. & N.W.	3·0	6·6	40·8	·255
September	29·948	29·908	29·964	50·3	56·2	47·9	..	..	·714	69·0	58·4	37·2	42·3	16·1	51·5	1·99	11	S. & N.W.	2·0	6·7	42·5	·272
October	29·868	29·814	29·869	54·3	58·5	51·3	..	..	·657	75·4	61·7	36·2	45·7	16·0	54·7	2·65	17	S.S.W. & N.N.W.	2·4	7·0	43·4	·281
November	29·916	29·859	29·933	57·9	62·6	54·7	133·2	41·0	·709	85·0	64·8	41·0	49·1	15·7	58·5	2·30	16	S.S.E. & N.N.W.	2·0	7·0	48·9	·346
December	29·677	29·632	29·676	60·1	65·2	57·0	130·0	37·0	·641	89·4	68·4	41·0	49·9	18·5	60·8	0·97	15	S.S.E. & N.N.W.	2·5	7·0	48·6	·343
Mean	29·921	29·874	29·920	55·0	60·0	53·2	..	..	·731	74·8	62·7	40·2	48·0	14·7	56·1	Total, 24·05	Total, 160	S.S.E. & N.W.	2·2	6·6	47·6	·336
Mean of the three Recordings	Inches. 29·905			° 56·1												Mean, Inches, 2·30	Mean, 13					

TABLE No. 2.

ANNUAL SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT SOUTHPORT FOR 1883.

Latitude, 48° 26' S.; Longitude, 147° 1' E. Height of Observatory above Mean Sea Level, 50 feet. Barometer corrected to 32° Fahrenheit, and reduced to Mean Sea Level.

1883.	MEAN OF BAROMETER.			MEAN SHADE TEMPERATURE OF AIR.			MEAN HUMIDITY.	THERMOMETER IN SHADE.						RAIN.		PREVAILING WINDS.		CLOUDS.	DEW POINT.	PRESSURE OF VAPOUR.
	9 A.M.	3 P.M.	9 P.M.	9 A.M.	3 P.M.	9 P.M.	Month.	Maximum.	Mean Maximum.	Minimum.	Mean Minimum.	Mean Diurnal Range.	Mean Temperature of Month.	Total Fall.	No. of Days Rain fell.	Direction.	Force.	Amount.		
January	Inches. 29-954	Inches. 29-952	Inches. 30-000	° 64-2	° 65-0	° 59-2	°810	° 77-0	° 68-4	° 42-0	° 52-2	° 16-2	° 62-7	Inches. 3-13	8	N.E. & S.W.	(0-12) 3-3	(0-10) 5-7	° 56-8	°462
February	29-842	29-785	29-854	63-0	64-0	60-0	836	82-0	66-8	40-0	51-4	15-4	62-3	4-11	10	N.E. & W.	2-8	6-5	56-8	468
March	30-028	29-997	30-016	63-0	66-1	61-0	842	85-0	67-6	42-0	52-0	15-6	63-3	4-65	12	S.E. & W.	2-0	6-2	59-9	517
April	30-072	30-020	30-037	57-8	61-7	57-6	905	76-0	64-4	40-0	49-6	14-8	59-0	0-73	10	E.N.E. & W.	1-8	5-3	56-1	451
May	29-966	29-927	29-980	51-0	53-1	49-2	901	66-0	56-0	36-0	43-4	12-6	51-1	3-46	18	N.N.E., N.W. & S.W.	2-0	6-0	48-2	337
June	29-833	29-781	29-850	51-6	56-1	51-1	862	60-0	55-7	35-0	43-9	11-8	52-9	2-46	19	N. & W.	2-6	6-0	48-8	345
July	29-910	29-908	29-963	47-0	51-0	48-0	886	59-0	52-0	32-0	40-1	11-9	48-6	4-97	18	N.E. & W.S.W.	2-0	5-4	45-4	304
August	29-808	29-815	29-821	50-0	54-0	50-0	899	62-0	54-6	32-0	43-3	11-3	51-3	4-76	23	N.N.E. & N.W.	3-3	6-4	48-1	336
September	29-974	29-942	30-000	52-1	54-0	51-4	893	69-0	56-9	33-0	42-6	14-3	52-5	2-09	9	S.S.W. & N.N.W.	2-4	6-0	49-3	352
October	29-888	29-885	29-907	54-7	57-5	51-8	895	79-0	59-6	34-0	45-0	14-6	54-7	4-61	16	S.W. & N.N.E.	3-0	6-4	51-6	383
November	29-915	29-912	29-934	59-1	60-6	56-1	888	86-0	63-0	40-0	47-0	16-0	58-6	3-63	11	S.W. & N.E.	3-2	6-7	55-2	436
December	29-682	29-628	29-688	60-4	63-1	59-5	890	89-0	64-8	43-0	49-0	15-8	61-0	1-71	10	S.W., W.N.W., & N.E.	3-4	6-3	56-7	461
Mean	29-906	29-879	29-921	56-2	58-9	54-6	876	74-2	60-8	37-4	46-6	14-2	56-5	Total, 40-31	Total, 164	S.W. & N.E.	2-6	6-0	52-7	404
Mean of the three Recordings	29-902			56-6										Mean, 3-86	Mean, 13-8					

TABLE No. 3.

ANNUAL SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT LOW HEAD FOR 1883.

Latitude, 41° 8' S.: Longitude, 146° 48' E. Height of Observatory above Mean Sea Level, 25 feet. Barometer corrected to 32° Fahrenheit, and reduced to Mean Sea Level.

1883.	MEAN OF BAROMETER.			MEAN SHADE TEMPERATURE OF AIR.			MEAN HUMIDITY.	THERMOMETER IN SHADE.						RAIN.		PREVAILING WINDS.		CLOUDS.	DEW POINT.	PRESSURE OF VAPOUR.
	9 A.M.	3 P.M.	9 P.M.	9 A.M.	3 P.M.	9 P.M.	Month.	Maximum.	Mean Maximum.	Minimum.	Mean Minimum.	Mean Diurnal Range.	Mean Temperature of Month.	Total Fall.	No. of Days Rain fell.	Direction.	Force.	Amount.		
	Inches.	Inches.	Inches.	°	°	°		°	°	°	°	°	°	Inches.			(0-12)	(0-10)	°	
January	30·055	29·999	30·018	65·9	69·5	61·3	·750	78·0	72·7	49·0	55·5	17·2	65·5	0·56	7	E. & W.N.W.	3·3	4·0	57·4	·471
February	29·880	29·838	29·876	64·9	68·8	62·2	·745	78·0	72·4	49·6	56·8	16·6	65·3	1·75	8	W. & E.S.E.	3·7	4·7	57·0	·465
March	30·082	30·027	30·081	62·4	67·8	61·3	·787	76·0	70·6	48·0	55·5	15·1	63·8	2·74	12	W., S.E., & N.	3·4	4·3	57·1	·466
April	30·144	30·107	30·144	58·0	64·1	56·9	·824	75·0	67·4	45·8	51·5	15·9	59·7	0·93	7	W., S.W., S.E., & N.N.W.	3·1	3·2	54·3	·422
May	30·041	29·987	30·023	50·0	57·6	51·1	·850	70·0	60·0	35·0	41·2	18·8	52·9	1·39	7	W., S.S.E., & N.N.E.	4·0	4·0	48·5	·341
June	29·995	29·954	29·980	52·7	56·4	53·4	·892	63·6	57·9	39·8	46·8	11·1	54·0	5·20	19	W.N.W. & S.S.E.	4·6	5·6	50·9	·373
July	30·018	29·987	30·026	46·6	52·7	47·6	·855	60·0	55·1	32·5	40·2	14·9	49·0	2·53	13	W.N.W. & S.E.	4·0	4·0	44·7	·296
August	29·978	29·917	29·941	50·0	53·4	50·5	·854	58·0	55·0	36·5	43·7	11·3	51·3	3·08	15	W. & E.	5·0	4·5	46·9	·322
September	30·008	29·966	30·013	50·7	55·8	49·8	·859	66·0	57·7	36·0	42·8	14·9	52·1	1·59	10	N.W. & S.S.E.	3·6	3·9	47·9	·334
October	29·950	29·903	29·945	54·9	57·7	52·0	·819	66·0	60·0	39·0	46·5	13·5	54·9	3·70	12	W., S., & N.N.E.	4·0	4·3	49·4	·353
November	29·973	29·937	29·977	58·5	61·1	54·9	·796	70·0	63·5	40·0	49·9	13·6	58·2	2·71	7	W., S., & N.E.	3·4	5·0	51·9	·386
December	29·761	29·730	29·756	60·5	63·4	57·0	·838	75·0	65·8	44·0	51·8	14·0	60·3	1·29	10	W.N.W. & N.E.	4·0	5·0	55·4	·439
Mean	29·990	29·946	29·982	56·3	60·7	54·8	·822	69·6	63·2	41·3	48·5	14·7	57·2	Total, 27·52	Total, 127	W.N.W., S.E., & N.N.E.	3·8	4·4	51·8	·389
Mean of the three Recordings	29·913			57·3			Highest 78°		Lowest 32·5°					Mean, 2·9	Mean, 10·6					

TABLE No. 4.
METEOROLOGICAL OBSERVATIONS FOR THE LATTER PART OF THE YEAR 1883.
LAUNCESTON.—Latitude, 41° 26' S. : Longitude, 147° 10' E. Altitude above the Sea, 76 feet. Observer, A. B. BIGGS.

1883.	BAROMETER COR- RECTED AND RE- DUCED.	MEAN SHADE TEMPERATURE OF AIR.						RAIN.		PREVAILING WINDS.		CLOUDS.	DEW POINT.	PRESSURE OF VAPOUR.	HUMIDITY.
	Mean.	Maximum.	Mean Maxi- mum.	Minimum.	Mean Mini- mum.	Mean Diurnal Range.	Mean Tempera- ture of Month.	Total fall.	No. of Days Rain fell.	Direction.	Force.	Amount.	Mean.	Mean.	Mean.
	Inches.	°	°	°	°	°	°	Inches.			(0-12.)	(0-10.)	°		
September	30.003	81.0	61.4	29.0	40.9	20.5	49.9	2.54	11	N.W. & S.S.E.	2.5	3.1	..	..	..
October	29.914	78.0	66.7	32.5	43.8	22.9	55.0	3.05	13	N.W. & S.	2.9	4.1	43.8	.660	.286
November	29.944	83.0	69.0	39.0	47.6	21.4	59.4	2.21	9	N.W. & S.	2.9	4.9	47.8	.705	.333
December *	29.646	80.0	71.4	41.0	49.0	22.4	61.5	1.89	10	N.W. & S.	3.0	4.0	..	..	..

* For first 21 days.

Sunset glow, 25th September, continuing for the remainder of the year. Aurora, 22nd November. Several slight shocks and tremors felt each month.

November—Radiation { Solar..... Mean 120.3° Maximum 136° on 21st.
 { Terrestrial „ 44.6° Minimum 36° night of 15th.
 December—Radiation { Solar..... Mean 118.6° Maximum 129° on 9th.
 { Terrestrial „ 42.3° Minimum 34° night of 9th.

CIRCULAR HEAD.—Latitude, 40° 43' S. : Longitude, 145° 17' E. Altitude above Sea level, 64 feet. Observer, M. E. EMMETT.

September	29.922	71.0	68.2	20.0	27.5	40.7	52.4	2.80	14	W.N.W., E. & S.	4.4	5.3	46.0	.787	.310
October	29.863	69.0	67.3	19.0	27.9	39.4	53.8	3.88	13	W.N.W., E.N.E. & S.	5.0	6.0	46.0	.748	.311
November	29.886	70.0	67.5	27.0	40.2	27.3	56.8	1.69	15	W., E. & S.	4.9	6.5	50.1	.786	.363
December	29.710	69.5	67.0	38.2	45.4	22.6	58.6	4.21	13	W., E. & S.W.	5.0	6.0	51.5	.775	.381

Hail, 2nd September, 14th November, 6th October. Thunder, 4th and 27th October, 14th and 26th November, 21st December. Lightning, 21st December.

OATLANDS.—Latitude, 41° 32' S. : Longitude, 147° 24' E. Altitude above the Sea, 1340 feet. Observer, H. LYNCH.

September	29.857	64.0	58.1	27.0	36.1	22.0	49.4	1.49	8	N.N.E. & S.	2.5	6.6	41.0	.257	.728
October	29.784	70.0	60.5	15.0	33.3	27.2	52.7	2.01	15	N. & S.W.	3.7	6.0	42.5	.272	.682
November	29.817	80.0	64.9	21.0	40.9	24.0	57.0	2.63	10	N.N.E., S.W., & S.E.	3.3	5.9	46.0	.311	.669
December	29.601	85.0	67.2	35.0	42.7	24.5	59.3	2.21	14	N. & S.W.	3.4	6.7	45.6	.306	.606

Lightning, 3rd September, 26th October. Snow and hail, 31st October. Sunset glows, 26th September, and observed until the end of the year.

FALMOUTH.—Latitude, 41° 32' S. : Longitude, 148° 19' E. Altitude above the Sea, 30 feet. Observer, M. HOLLAND.

October	29.905	broken	broken	33.0	44.1	..	54.8	3.34	10	N.N.E. & S.W.	2.5	5.0	45.2	.302	.702
November	29.956	..	..	37.0	49.0	..	57.0	2.42	16	N. & S.	2.4	6.7	47.9	.334	.718
December	29.709	..	..	40.0	48.6	..	61.2	0.90	12	N., S.E., & W.	2.6	6.0	47.5	.329	.608

Thunder-storms on 26th October, 18th and 19th December. Hail, 31st October. Rainfall, 26th October, 1.26 inches. Several shocks of earthquake in each month, a few of them pronounced as severe, and accompanied with a noise.

TABLE No. 5.

RAINFALL IN TASMANIA DURING THE YEAR 1883.

Showing the Latitude and Longitude, and Distance from the Sea Coast of each Station, and Number of Days Rain fell during each Month, and Total Rainfall.

Name of Station.	Latitude, South.	Longitude, East.	Distance from Sea Coast.	JANUARY.		FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.		JULY.		AUGUST.		SEPT.		OCTOBER.		NOVEMBER.		DECEMBER.		TOTAL.	
				Wet Days.		Wet Days.		Wet Days.		Wet Days.		Wet Days.		Wet Days.		Wet Days.		Wet Days.		Wet Days.		Wet Days.		Wet Days.		Wet Days.		Wet Days.	
				No.	Inches.	No.	Inches.	No.	Inches.	No.	Inches.	No.	Inches.	No.	Inches.	No.	Inches.	No.	Inches.	No.	Inches.	No.	Inches.	No.	Inches.	No.	Inches.	No.	Inches.
Southport	43 26 0	147 1 0	Coast.	8	3.13	10	4.11	12	4.65	10	0.73	18	3.46	19	2.46	18	4.97	23	4.76	9	2.09	16	4.61	11	3.63	10	1.71	164	40.31
Mount Nelson ...	42 55 0	147 21 5	7	10	4.77	10	3.48	13	2.52	4	0.46	7	1.95	11	1.55	11	1.41	8	1.27	7	2.55	11	3.04	15	2.91	14	1.48	121	27.39
Clarence Plains...	42 54 30	147 24 0	8	10	3.55	11	1.98	11	2.96	8	0.67	6	2.48	9	1.57	9	1.40	5	0.57	7	2.69	13	2.21	13	2.56	10	1.61	112	24.25
Hobart	42 53 25	147 20 7	10	9	3.60	14	2.03	14	3.62	10	0.48	12	1.70	17	1.61	12	1.23	14	1.82	11	1.99	17	2.64	16	2.30	15	0.97	161	24.04
Botanical Gardens, Hobart ...	42 52 0	147 19 50	12	11	3.57	14	1.61	13	2.75	6	0.42	8	1.58	16	1.67	14	1.09	16	1.37	9	1.79	10	2.00	14	2.12	17	1.03	148	21.00
New Norfolk	42 37 0	146 56 0	33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	23.06
Oatlands	42 18 0	147 24 0	28	7	2.54	9	2.29	10	4.87	7	0.37	5	1.38	8	1.55	3	0.92	8	0.74	8	1.43	15	2.01	10	2.63	14	2.21	104	22.94
Fingal	41 40 0	147 48 0	13	7	2.35	11	2.57	4	2.91	4	0.72	6	1.75	7	2.08	6	0.94	10	0.81	6	4.43	8	1.87	8	1.64	9	0.82	86	22.89
Killymoon, Fingal	41 35 0	148 10 0	9	8	1.54	11	3.34	12	2.55	8	0.78	12	2.03	16	1.67	12	0.96	10	0.51	9	3.59	11	2.71	14	2.03	12	1.08	135	22.79
Falmouth	41 32 0	148 19 0	Coast.	10	1.78	13	3.67	9	1.62	3	0.51	8	1.50	8	1.47	5	0.44	5	0.44	7	2.21	10	3.34	16	2.42	12	0.90	106	20.30
Gould's Country.	41 15 0	148 0 0	13	—	—	—	—	—	—	7	1.40	7	4.75	15	11.36	11	5.93	12	8.15	6	4.96	10	8.05	5	3.53	10	4.17	83	52.33
Launceston	41 26 0	147 10 0	28	4	1.22	9	1.06	15	2.03	11	1.13	12	1.86	20	6.16	15	4.49	19	3.52	12	2.54	13	3.05	9	2.21	10	1.89	149	31.16
Low Head	41 3 0	146 48 0	Coast.	7	0.55	8	1.75	12	2.75	7	0.93	7	1.39	19	5.20	13	2.58	15	3.08	10	1.59	12	3.70	7	2.71	10	1.29	127	27.52
Mount Bischoff...	41 25 0	145 34 0	28	13	1.60	17	4.01	19	5.87	13	3.02	21	4.05	28	12.78	26	9.83	31	11.51	21	3.96	23	6.73	21	4.15	28	7.53	266	75.09
Circular Head ...	40 43 0	145 17 0	Coast.	7	1.03	8	2.68	14	4.20	13	1.79	15	5.68	20	5.44	18	3.70	23	3.34	14	2.80	13	3.88	15	1.69	13	4.21	173	40.44
Corinna	41 41 0	145 2 0	Coast.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13	4.17	23	8.62	—	—
Strahan, Macquarie Harbour	42 11 0	145 17 0	Coast.	6	1.74	5	2.03	6	2.35	11	2.95	16	3.00	27	6.55	25	6.97	24	7.45	13	3.40	20	7.57	18	3.86	21	10.23	187	58.10

TABLE No. 6.

MEAN AND EXTREME RESULTS FOR THE YEAR 1883.

From Observations taken at Hobart.

<i>Barometer—</i>		
Highest reading	30.626 inches, on 11th May.	
Lowest ditto	28.905 inches; on 28th February.	
Range for the year	1.721 inches.	
<i>Thermometer—</i>		
Maximum in Shade	89.4°, on 30th December.	
Minimum ditto	30.5°, on 25th July.	
Range for year	58.9°.	
Highest mean daily reading for one month	63.7°, January.	
Lowest ditto ditto	46.6°, July.	
<i>Humidity—</i>		
Mean Maximum for month (saturation = 100)	78, in July.	
Mean for the year	73.	
<i>Condensation.</i>		
Total for the year	24.05 inches.	
Total Number of Rainy Days	161	
Maximum fall for one month	3.62 inches, in March.	
Minimum ditto	0.48 inches, in April.	

TABLE No. 7.

MAXIMUM TEMPERATURE OF THE AIR (IN SHADE) AT HOBART ON EACH DAY IN THE YEAR 1883.

Latitude, 42° 53' 25" S. : Longitude, 147° 20' 75" E. Distant from Sea Coast, 10 miles.

<i>Day of Month.</i>	<i>Jan.</i>	<i>Feb.</i>	<i>Mar.</i>	<i>April.</i>	<i>May.</i>	<i>June.</i>	<i>July.</i>	<i>August.</i>	<i>Sept.</i>	<i>Oct.</i>	<i>Nov.</i>	<i>Dec.</i>
1.	65.2	71.0	67.3	68.2	63.6	55.3	57.0	52.7	53.2	62.0	51.0	57.2
2.	66.2	74.5	61.8	68.6	55.3	58.4	58.0	55.4	57.6	70.3	53.5	66.0
3.	65.3	68.6	68.2	71.5	55.8	50.0	53.3	58.4	59.2	74.8	58.5	63.2
4.	67.0	70.4	71.6	73.5	60.8	58.8	54.0	56.0	57.7	75.4	60.0	64.8
5.	70.0	59.0	64.8	70.3	67.0	58.1	52.0	57.3	51.2	70.0	64.2	63.0
6.	75.6	67.3	70.0	66.0	69.2	56.5	57.5	55.0	53.3	68.8	64.3	72.3
7.	83.0	74.0	69.3	64.2	—	57.0	53.8	60.8	52.0	58.7	73.2	76.0
8.	78.2	80.0	80.0	68.0	65.4	61.0	55.8	54.6	56.8	57.4	64.0	72.3
9.	71.6	74.0	86.0	65.4	59.0	61.0	49.3	59.8	52.0	57.8	60.0	69.0
10.	72.4	63.0	76.0	66.0	55.0	57.2	49.2	60.0	58.3	56.6	66.0	62.3
11.	64.8	64.8	71.0	60.8	54.0	55.0	58.6	64.0	65.3	57.0	58.0	60.8
12.	68.0	69.7	67.5	59.5	56.2	55.7	58.0	53.8	69.0	59.8	63.0	74.2
13.	72.2	78.7	65.2	63.0	54.3	54.3	60.0	58.2	62.7	63.2	62.0	77.5
14.	74.8	74.0	64.2	66.9	52.2	58.5	52.4	55.0	61.5	59.5	64.2	67.0
15.	75.0	63.2	63.8	72.5	48.3	62.3	54.2	58.6	52.0	61.8	61.0	67.0
16.	84.2	69.0	70.8	69.6	59.4	62.2	58.2	55.2	50.8	63.2	59.0	70.0
17.	82.0	63.4	69.4	72.0	62.3	60.2	48.7	61.5	55.7	62.0	56.2	66.8
18.	61.0	65.8	71.0	64.7	58.8	56.0	47.1	60.0	61.3	58.2	58.3	64.2
19.	67.3	68.8	83.0	69.0	54.0	57.8	50.0	56.0	64.0	55.0	61.3	71.7
20.	69.2	63.2	60.0	64.0	48.0	57.2	50.3	52.2	64.3	59.3	69.5	65.3
21.	77.5	70.3	62.5	70.0	54.3	55.8	51.8	47.5	64.2	61.0	79.0	66.8
22.	63.2	68.5	68.0	58.3	55.8	56.8	52.0	50.2	62.2	61.0	85.0	71.8
23.	67.3	73.2	60.8	58.4	55.8	56.0	50.3	57.0	65.9	62.3	76.0	66.3
24.	65.0	66.8	62.5	60.4	54.0	61.7	47.7	56.0	56.0	71.6	67.2	59.4
25.	73.4	65.6	63.2	—	56.0	52.2	47.8	58.3	61.2	61.5	74.5	63.4
26.	70.8	73.4	70.4	62.8	55.0	56.3	46.5	54.2	60.0	55.3	64.0	78.0
27.	61.5	71.8	78.0	66.0	52.3	58.6	54.5	59.0	55.3	64.2	66.8	63.3
28.	70.0	73.0	69.2	63.8	54.7	57.8	46.1	56.5	60.0	55.8	69.7	62.8
29.	70.3	—	62.3	61.0	54.0	58.6	49.5	58.2	53.5	57.3	73.8	77.8
30.	80.8	—	62.2	68.3	51.6	56.6	57.2	58.2	56.3	53.7	61.0	89.4
31.	80.9	—	65.8	—	56.2	—	58.2	48.7	—	59.4	—	70.7
Mean of each Month.	71.4	69.5	68.6	66.0	56.6	57.4	52.9	56.4	58.4	61.7	64.8	68.4

The highest reading, 89.4°, on 30th December. The lowest, 46.1°, on 28th of July.

TABLE No. 8.

MINIMUM TEMPERATURE OF THE AIR (IN SHADE) AT HOBART ON EACH DAY OF THE YEAR 1883.

Day of Month.	Jan.	Feb.	Mar.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
1.	50.0	59.0	47.8	54.7	45.8	40.8	51.0	40.8	37.8	43.0	41.6	41.0
2.	51.4	55.2	46.8	52.3	39.5	40.0	45.8	45.6	37.6	48.0	45.8	52.5
3.	51.6	52.0	53.4	55.3	38.4	39.2	36.8	40.4	43.6	58.5	47.0	46.8
4.	55.0	52.3	53.7	61.8	42.2	51.0	37.6	34.6	41.5	54.3	49.6	46.6
5.	55.2	48.8	48.8	56.2	46.4	47.0	40.4	43.5	39.2	55.5	51.0	47.0
6.	57.6	51.2	51.8	52.0	43.3	45.8	38.4	49.2	37.6	43.2	54.0	57.2
7.	64.8	60.2	56.6	52.8	..	48.2	42.2	43.0	37.8	38.0	53.0	50.4
8.	58.0	60.5	61.2	51.7	50.4	44.8	39.4	47.7	37.6	36.2	46.6	62.0
9.	52.7	53.2	58.0	57.8	42.6	45.0	38.4	46.5	37.8	41.0	48.0	47.0
10.	55.7	54.6	56.0	44.8	44.7	41.5	39.8	45.5	46.0	42.5	53.6	42.8
11.	51.8	60.0	55.8	52.8	46.0	43.4	50.0	52.2	49.2	48.0	46.5	50.8
12.	55.8	62.3	59.0	45.7	44.0	49.0	52.0	45.3	47.0	47.5	48.6	54.2
13.	58.4	63.5	57.3	50.0	43.0	45.5	43.4	39.0	50.3	40.7	46.0	50.8
14.	55.8	54.5	56.6	50.4	34.8	44.6	45.8	47.4	39.0	40.2	47.2	46.4
15.	55.8	54.6	53.0	49.3	36.3	52.2	41.6	40.4	41.3	41.0	46.0	46.4
16.	73.0	60.3	54.7	53.8	48.2	41.0	43.2	46.5	37.8	49.6	45.5	54.4
17.	52.2	48.5	59.6	56.8	44.0	45.5	40.2	51.2	38.6	46.8	47.6	50.7
18.	49.6	54.0	58.8	49.3	41.8	48.0	42.0	48.2	43.5	40.7	49.4	51.6
19.	50.3	48.0	56.5	53.5	37.0	49.0	38.0	41.5	47.2	43.2	47.6	51.3
20.	59.3	51.8	55.0	51.0	40.5	42.0	37.5	37.5	49.3	48.0	52.8	50.8
21.	57.0	56.4	57.8	51.4	39.6	44.6	36.0	37.5	49.4	56.0	51.5	53.2
22.	53.6	54.8	57.4	49.0	39.6	44.2	37.5	38.2	50.2	46.2	63.5	50.8
23.	53.0	56.5	54.8	46.6	35.6	46.8	35.2	36.2	44.5	49.6	45.8	41.0
24.	58.3	57.0	56.6	43.0	38.3	42.4	31.5	47.0	40.0	50.8	53.8	41.2
25.	62.3	56.0	50.3	44.9	44.2	42.8	30.5	41.8	40.8	45.0	47.3	49.7
26.	60.8	52.8	58.0	44.7	46.6	48.0	37.2	47.8	40.5	42.0	48.8	51.8
27.	50.5	57.2	62.8	48.6	44.0	42.6	36.2	44.2	39.5	49.0	49.3	45.8
28.	54.8	58.8	54.4	50.3	45.8	50.0	41.6	42.0	45.2	43.2	49.8	46.0
29.	56.5	..	48.0	47.3	38.0	46.6	37.0	47.0	37.2	49.7	50.6	52.0
30.	64.2	..	54.8	49.1	46.0	39.7	40.0	38.6	42.6	38.6	45.4	61.7
31.	57.0	..	57.5	..	38.6	..	38.0	39.6	..	40.3	..	51.5
Mean of each Month.	56.2	55.5	55.3	50.9	42.2	45.0	40.1	43.4	42.3	45.7	49.1	49.9

TABLE No. 9.
SUMMARY OF DIRECTION OF THE WIND AT HOBART DURING EACH MONTH IN THE YEAR 1883.

DIRECTION.	JANUARY.			FEBRUARY.			MARCH.			APRIL.			MAY.			JUNE.			JULY.			AUGUST.			SEPTEMBER.			OCTOBER.			NOVEMBER.			DECEMBER.			Total in eac. Direction.
	9 A.M.	3 P.M.	9 P.M.	9 A.M.	3 P.M.	9 P.M.	9 A.M.	3 P.M.	9 P.M.	9 A.M.	3 P.M.	9 P.M.	9 A.M.	3 P.M.	9 P.M.	9 A.M.	3 P.M.	9 P.M.	9 A.M.	3 P.M.	9 P.M.	9 A.M.	3 P.M.	9 P.M.	9 A.M.	3 P.M.	9 P.M.	9 A.M.	3 P.M.	9 P.M.	9 A.M.	3 P.M.	9 P.M.	Amount.			
North	2	1	2	4	1	1	2	1	3	1	3	4	2	2	3	3	1	4	1	..	3	6	4	5	7	2	2	8	4	8	9	3	5	7	4	3	121
North East ...	2	1	1	..	..	1	..	1	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	1	1	2	1	..	..	16		
East	1	11	2	2	6	..	..	5	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	1	..	..	1	..	33		
South East	5	15	2	2	14	1	5	12	1	..	7	..	..	5	2	..	4	1	1	2	1	..	3	1	1	11	2	2	10	1	8	16	1	2	9	1	148
South	4	..	5	1	1	1	3	2	6	2	2	6	2	5	4	1	..	2	3	5	3	1	..	1	3	4	4	3	4	3	3	5	5	3	3	5	105
South West ...	1	..	4	3	1	4	1	1	2	1	..	4	..	3	3	..	..	2	1	3	..	..	2	1	1	1	3	3	4	4	1	1	4	3	2	3	67
West	3	2	4	3	2	6	1	1	1	2	2	2	4	4	4	6	6	9	6	4	8	3	7	6	1	1	7	1	1	1	..	1	2	1	5	5	122
North West ...	5	1	3	8	2	..	13	6	3	21	7	3	19	8	3	15	17	12	11	13	10	21	13	15	15	..	7	9	6	6	6	2	2	13	7	8	321
Calms	8	..	8	5	1	14	6	2	14	3	7	11	3	4	12	5	2	..	8	4	6	..	2	2	2	..	5	4	..	6	2	..	9	1	..	6	162

TABLE No. 10.

TABLE OF RAINFALL AT LIGHTHOUSES FOR THE YEAR 1883.

Showing the Number of days Rain fell during each Month, and Total Rainfall.

1883.	KING'S ISLAND.		KENT'S GROUP.		GOOSE ISLAND.		SWAN ISLAND.		SOUTH BRUNI.	
	Wet Days.	Rainfall.	Wet Days.	Rainfall.	Wet Days.	Rainfall.	Wet Days.	Rainfall.	Wet Days.	Rainfall.
	No.	Inches.	No.	Inches.	No.	Inches.	No.	Inches.	No.	Inches.
January	8	0.73	4	1.42	8	1.72	10	1.15	9	3.35
February	10	2.22	8	2.83	9	1.66	10	2.01	7	3.15
March	14	2.49	8	0.59	5	0.38	6	0.89	13	3.45
April	7	1.02	8	1.09	7	0.89	3	0.52	12	1.42
May	13	2.13	16	2.43	8	1.20	7	2.36	18	4.85
June	21	4.29	21	3.25	18	4.70	13	3.10	15	2.22
July	17	2.56	13	2.31	13	3.34	7	2.35	18	4.45
August	13	2.36	15	3.89	16	1.89	9	1.50	16	3.30
September	13	2.63	8	1.09	6	1.21	5	3.05	14	2.73
October	17	2.91	15	3.32	14	2.28	11	2.91	20	4.28
November	9	0.60	9	1.91	6	0.58	6	0.98	15	4.30
December	11	0.84	11	1.50	10	1.40	10	1.87	23	2.81
TOTAL	153	24.78	136	25.63	120	21.25	97	22.69	180	40.31

J. SHORTT, R.N., Meteorological Observer.

WILLIAM THOMAS STRUTT,
GOVERNMENT PRINTER, TASMANIA