

(No. 3.)



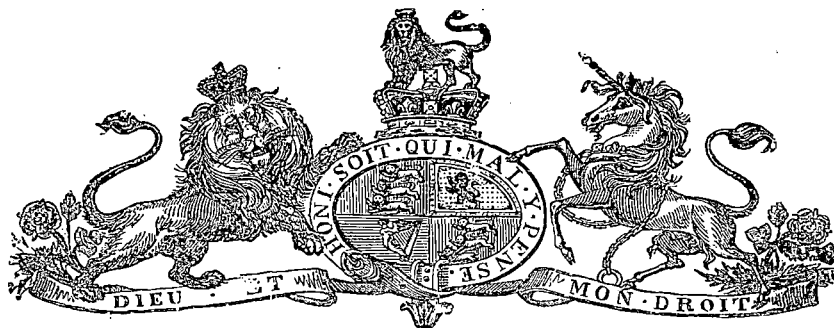
1891.

PARLIAMENT OF TASMANIA.

GENERAL HOSPITAL, HOBART:

REPORT FOR 1890.

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



REPORT of the Meteorological Observer for the Year 1890.

SIR,

I HAVE the honor to place before you the Annual Report of the Meteorological Department for the year 1890, with Tables of Observations and Results.

Observers have attended to their duties with great regularity and care.

The Rainfall for 1890 is above the average of previous years, excepting Waratah and Corinna, and very greatly in excess in the Eastern Districts.

I have the honor to be,

Sir,

Your obedient Servant,

J. SHORTT, *Meteorological Observer.*

The Hon. the Treasurer.

PHENOMENA, 1890.

JANUARY.—*Hobart.*—Thunderstorms, with heavy rain, in the Northern and Eastern Districts on the 1st and 14th. The varied temperature during the month produced thunderstorms frequently in different parts of the Colony. Light winds generally, and the mean temperature averaging previous January records.

South Bruni.—S.W. gales on the 5th and 6th; S.S.E. on the 14th.

Southport.—Thunder on the 26th.

Swansea.—Rain on the 14th, 1·72 in.; 15th, 1·04 in.

Victoria Valley.—Thunder on the 13th, 14th, and 27th.

Lake Sorell.—Hail on the 4th; thunder on the 13th and 14th; sharp frost on the 8th; rain on the 14th, 1·21 in.

Campbell Town.—Rain on the 3rd, 1·25 in.

Ormley (Avoca).—Thunder on the 4th, 12th, and 14th; rain on the 14th, 1·30 in.

Scottsdale.—Rain on the 3rd, 2·05 in.; thunder on the 14th.

Swan Island.—Thunder on the 1st and 27th; hail on the 27th.

Low Head.—Rain on the 3rd, 1·49 in.

Launceston.—Thunderstorm on the 4th.

Castra.—Thunderstorms on the 2nd, 14th, and 24th.

Waratah.—Thunder on the 1st and 14th; frost on the 8th; rain on the 2nd, 1·08 in.; 5th, 1·01 in.; 27th, 1·05 in.

Circular Head.—Rain on the 2nd, 1·33 in.

FEBRUARY.—*Hobart.*—High temperature on the first six days of the month. Mean for the month, 4·3 degrees above the average for six years. Easterly weather, with heavy rain, on the 13th, causing floods in the South Esk, St. Paul's, Macquarie, and other rivers in the Eastern Districts, doing great damage.

South Bruni.—S.E. gale on the 14th.

Franklin.—Rain on the 13th, 1·43 in.; 14th, 1·11 in.

Kellevie.—Easterly gale, with heavy rain, on the 13th; 5·06 in. fell in 17½ hours.

Swansea.—Rain on the 13th; 4·02 in. fell in 14 hours.

Apslawn.—5·17 in. of rain fell on the 13th in 18 hours.

Hamilton.—Rain on the 13th, 1·70 in.

Dog's Head (Lake Sorell).—Rain on the 13th, five inches.

Avoca.—Rain on the 13th, two inches.

Killymoon (Fingal).—Rain on the 13th, 5·70 in.

Falmouth.—Rain on the 13th, 3·30 in.

St. Helen's.—Rain on the 13th, 5·43 in.

Mathinna.—Rain on the 13th; 4·90 in. fell in 15 hours.

Gould's Country.—Rain on the 13th; 6·14 in. fell in 19 hours.

Low Head.—W.N.W. gale on the 14th.

Windermere.—Rain on the 13th, 2·14 in.

Deloraine.—Rain on the 14th, 2·55 in.; meteor 8·40 P.M. on the 22nd, south to north.

Latrobe.—Rain on the 14th, 2·95 in.

Castra.—Rain on the 13th, 1·68 in.; 14th, 2·02 in.

Waratah.—Rain on the 13th, 0·95 in.; 14th, 1·30 in.; prevailing wind, easterly.

Circular Head.—Solar halo on the 24th, 2·30 P.M., and lunar halo, 8·30 P.M.

Corinna.—Thunder and lightning on the 14th.

MARCH.—*Hobart.*—Mild weather during the month, the mean temperature ranging from $1\frac{1}{2}$ degrees at Oatlands to 7·8 degrees at Waratah above the average of previous years; heavy rainfall in the Eastern Districts on the 4th; winds generally light.

South Bruny.—Rain on the 19th, 1·30 in.

Sorell.—Rain on the 18th, 1·70 in.; 19th, four inches.

Kellevie.—Rain on the 4th, 1·57 in.; 18th, 1·23 in.; 19th, 2·82 in.

Carnarvon.—Rain on the 19th, 2·57 in.

Bothwell.—Rain on the 18th, 1·40 in.; 19th, 0·83 in.

Dog's Head (Lake Sorell).—Rain on the 18th, 1·61 in.; dense fog on the 4th; sharp frost on the 31st.

Oatlands.—Rain on the 18th, 1·00 in.; 19th, 1·39 in.

Ornley (Avoca).—Mild weather during the month; absence of cold winds and frosts.

Killymoon (Fingal).—Rainfall large for the month; little wind and no frosts, consequently a great growth of grass; rain on the 4th, 2·51 in.; 24th, 1·47 in.

Harefield (St. Mary's).—Rain on 3rd, 1·82 in.; 4th, 3·67 in., creating a flood in the Break o' Day River.

Falmouth.—Thunderstorm on the 6th; rain on the 4th, 1·47 in.

Gould's Country.—Rain on the 3rd, 1·67 in.; 4th, 2·58 in.; 18th, 1·12 in.; 20th, 1·00 in.; 25th, 1·20 in.

Low Head.—Thunderstorm on the 14th, 4·41 in. of rain fell in 14 hours.

Castra.—Rain on the 17th, 1·05 in.; 18th, 1·32 in.; 25th, 2·32 in.; thunder and lightning on the 6th.

Waratah.—Rain on the 18th, 1·50 in.

Circular Head.—Rain on the 18th, 1·35 in.; distant thunder on the 4th, 5th, and 6th.

Corinna.—Thunder and lightning on the 5th.

APRIL.—*Hobart.*—No gales or strong winds during the month, and the weather was generally mild; thunderstorm, accompanied by heavy rain and hail, on the 6th; lunar halos on the 5th and 27th; light fall of snow on Mount Wellington on the 11th and 29th.

South Bruny.—Thunderstorm on the 6th; $\frac{3}{4}$ in. rain fell between 11 A.M. and 2 P.M.

Carnarvon.—Thunder on the 6th; hail, 11th; frost, 30th.

Bothwell.—Severe thunderstorm on the 6th; rain, 0·97 in.; two frosts.

Victoria Valley.—Four sharp frosts.

Avoca.—Thunderstorm on the 6th; three fogs and one frost.

Killymoon (Fingal).—Remarkably quiet and mild the whole month; no strong winds, and only one frost.

Falmouth.—Hail and thunderstorm on the 11th.

Gould's Country.—Earth tremor, 3·7 P.M. on the 29th.

Low Head.—Rain on the 8th, 0·97 in.

Launceston.—Thunderstorm on the 11th; frost on the 12th.

Deloraine.—Rain on the 26th, 1·07 in.

Latrobe.—Rain on the 8th, 2·66 in.; 9th, 1·30 in.; 26th, 1·27 in.

Ulverstone.—Rain on the 8th, 1·57 in.

Castra.—Rain on the 8th, 1·31 in.; 26th, 0·76 in.

Waratah.—Heavy thunderstorm on the 11th; two fogs and one frost.

Corinna.—Thunderstorm midnight of the 10th; rain on the 11th, 0·90 in.; hail on the 11th.

MAY.—*Hobart.*—The weather was very mild for the time of year, and winds light, though fogs have been frequent; light fall of snow on Mount Wellington on the 18th. The mean temperature ranged from 0·3 deg. at Southport to 3·5 deg. at Circular Head above the average.

Franklin.—Continuous fogs throughout the month, very similar to the years 1879 and 1880.

Applawn.—Rain on the 24th, 1·69 in.; 27th, 1·50 in.

Dog's Head (Lake Sorell).—Rain on the 24th, 1·83 in.; dense fog on the 11th; hard frost on the 14th; several frosty nights.

Lake Leake.—Rain on the 24th, 2·90 in.

Ornley (Avoca).—Very light winds, and even temperature throughout.

Killymoon (Fingal).—Weather very mild, little wind, and no frosts.

Falmouth.—Rain on the 24th, 0·90 in.; 27th, 1·07 in.

Mathinna.—2·16 in. of rain fell in seven hours on the 24th.

Gould's Country.—Rain on the 24th, 2·02 in. ; 27th, 1·40 in. ; earth tremor on the 4th at 9·53 P.M.

Launceston.—Rain on the 27th, 0·53 in.

Castra.—Four frosts.

Circular Head.—Rain on the 27th, 0·65 in. ; lunar halos every night during the last week.

JUNE.—*Hobart*.—The weather during the month was mild, but foggy ; winds light, and only one frost ; lunar halos on the 2nd, 4th, and 30th ; very dense fog on 5th, objects visible only 20 yards at times ; lightning on the 17th ; rain on the 22nd, 1·19 in. ; heavy fall of snow on Mount Wellington night of 25th. Rainfall for the month (except in the Western Districts) above the average ; very heavy fall in the Eastern Districts.

South Bruni.—Stormy from south on the 24th and 25th ; rain on the 22nd, 2·40 in.

Southport.—Rain on the 22nd, 2·40 in.

Swansea.—Rain on the 5th, 2·28 in. ; 13th, 2·01 in. ; 14th, 2·01 in. ; 22nd, 1·50 in.

Victoria Valley.—Five fogs, dense on the 6th and 28th ; two sharp frosts.

Dog's Head (Lake Sorell).—The lake at the end of the month, from the heavy rains, overflowed its banks, the roads were under water, and the adjacent country flooded ; nine fogs, and hard frosts on the last four nights.

Oatlands.—Five fogs and two frosts.

Lake Leake.—Rain on the 13th and 14th, 4·13 in. ; 21st, 1·09 in. ; 23rd, 1·35 in.

Ormley (Avoca).—Six fogs ; snow on the 11th ; sharp frost on the 29th ; 2·45 in. of rain fell on the 13th and 14th.

Killymoon (Fingal).—Rain on the 13th and 14th, 2·82 in. ; 21st to 26th, 6·92 in.

Harefield (St. Mary's).—Rain on the 13th and 14th, 4 in. ; 21st to 26th, 6·12 in.

St. Helen's.—Rain on the 13th and 14th, 4·02 in. ; 20th and 21st, 3·37 in.

Gould's Country.—Rain on the 20th and 21st, 4·11 in.

Launceston.—Sharp frost on the 29th ; southerly gale, 24th to 26th.

Deloraine.—Rain on the 4th, 1·45 in. ; brilliant meteor, 4·30 A.M. on the 28th.

Castra.—Rain on the 4th, 1·54 in. ; thunder and lightning midnight of 13th ; five frosts.

Waratah.—Rain on the 22nd, 2·48 in. ; seven frosts.

Circular Head.—Thunder and lightning on the 13th and 21st.

Corinna.—Rain on the 22nd, 4·04 in. ; six fogs and seven frosts.

Remin e.—Rain on the 22nd, 2·28 in. ; three frosts.

Zeehan.—Rain on the 22nd, 4·47 in. ; 23rd, 1·16 in.

JULY.—*Hobart*.—The temperature in each month to 1st July, 1890, was above the average of previous eight years ; but in July it fell 1·3 deg. below ; snowing on Mount Wellington on the 8th, 14th, 15th, and 31st ; light fall in Hobart on the 15th ; seven frosts and nine fogs ; very dense fog on the 26th, objects not visible 20 yards ; lunar halos, prismatic, on the 1st and 28th.

South Bruni.—Hail on the 8th and 14th ; westerly gale, night of 31st.

Canarvon.—Brilliant meteor 10·15 P.M. on the 4th ; four frosts.

Swansea.—Rain on the 20th, 1·12 in. ; 21st, 1·55 in.

Dog's Head (Lake Sorell).—Very cold, with several hard frosts during the month ; lake frozen over, 17th to 19th, ice one inch thick ; snow on the 5th, 12th, and 28th ; at the end of the month the water in lake very high.

Ormley (Avoca).—Weather cold and damp, with heavy fogs ; two floods in the South Esk, making a total of nine for the year ; 14 fogs and frosts.

Killymoon (Fingal).—Sharp frosts in early part of month ; latter part mild and exceedingly wet ; rain on the 20th, 1·93 in. ; 21st, 2·07 in. ; 31st, 1·72 in.

Branxholm.—Rain on the 6th, 1·40 in. ; 20th, 1·02 in. ; 21st, 2·45 in. ; 22nd, 1·45 in. ; 23rd, 0·90 in.

Low Head.—N.W. gale on the 22nd ; rain on the 21st, 1·12 in.

Launceston.—Rain on the 21st, 1·45 in. ; 11 frosts and three fogs.

Latrobe.—Rain on the 6th, 1·25 in. ; 21st, 1·95 in.

Ulverstone.—Rain on the 21st, 2·50 in.

Castra.—Rain on the 19th, 1·22 in. ; 21st, 1·14 in. ; 11 frosts.

Waratah.—Heavy fall of snow on the 14th ; eight frosts.

Circular Head.—Thunder and lightning on the 29th ; rain on the 21st, 1·52 in. ; 22nd, 2·30 in. six frosts.

Corinna.—Hail on the 14th ; nine frosts and five fogs.

AUGUST.—*Hobart*.—Snowing on Mount Wellington on the 1st, 17th, and 18th ; two frosts and four fogs ; rain on the 14th, 2·28 in. ; lightning on the 24th ; lunar halo on the 28th ; light winds prevailed, causing the ground to remain very wet ; heavy rain in the Western Districts.

Franklin.—Rain on the 14th, 2·19 in.

Bagdad.—Rain on the 14th, 2·06 in.

Dog's Head (Lake Sorell).—Snowing on the 1st, 14th, 17th, and 19th ; 14 frosts.

Oatlands.—Snow-storms on the 1st ; rain on the 14th, 1·25 in.

Avoca.—Thick fogs on the 5th and 12th ; four frosts.

Killymoon (Fingal).—Little wind during the month, and not much frost.

Gould's Country.—Earth tremor on the 11th, at 3·20 P.M.

Low Head.—Dense fog on the 21st.

Latrobe.—Severe thunderstorm with very vivid lightning on the 31st ; rain on the 6th, 0·90 in. ; 30th, 0·98 in.

Castra.—Rain on the 6th, 1·17 in. ; seven frosts.

Waratah.—Rain on the 6th, 1.05 in.; 19th, 1.37 in.; 29th, 1.05 in.; two fogs and two frosts; snowing on the 16th.

Circular Head.—Thunder on the 18th and 29th; lunar halos on the 24th and 26th.

Corinna.—Thunder on the 18th; four frosts; rain on the 14th, 1.78 in.

Zeehan.—Rain on the 17th, 1.75 in.; 18th, 1.20 in.; and 31st, one inch.

SEPTEMBER.—*Hobart*.—Heavy fall of snow on Mount Wellington on the 6th; frost on the 9th; lightning on the 14th and 23rd; N.W. gale night of 30th; rain fell heavily in the Western Districts during the month; temperature generally above the average.

South Bruni.—Thunderstorm on the 23rd; S.W. gale on the 30th.

Sorell.—Rain on the 6th, 2.03 in.

Victoria Valley.—Rain and snow on the 6th; sharp frosts, 3rd, 4th, and 5th.

Dog's Head (Lake Sorell).—Snowing on the 6th and 25th.

Avoca.—Lightning on the 5th, 14th, and 15th; two fogs and two frosts.

Ormley (Avoca).—Weather mild, absence of fogs and frosts; one inch of rain fell in 15 minutes on the 6th.

Launceston.—Lightning on the 14th; sharp frost on the 9th; two fogs.

Deloraine.—Rain on the 15th, 0.87 in.; 27th, 1.29 in.

Ulverstone.—Rain on the 15th, 1.46 in.; 27th, 0.90 in.

Castra.—Rain on the 15th, 1.31 in.; 27th, 1.28 in.; 14 frosts.

Waratah.—Rain on the 14th, 1.46 in.; 15th, 1.50 in.; 16th, 1.20 in.; 19th, 1.32 in.; 27th, 1.40 in.

Circular Head.—Thunder and lightning on the 13th; rain on the 13th, 1.75 in.; hail on the 28th; westerly gale on the 30th.

Corinna.—Six fogs and one frost.

Zeehan.—Heavy rainfall for the month, 16.61 in.

OCTOBER.—*Hobart*.—The atmospheric pressure was very low throughout the month; the mean 29.41 in., with the exception of six former records, was the lowest for any one month since 1840. The temperature was generally below the average. Rain fell heavily in the Western Districts; snowing on Mount Wellington on the 8th, 9th, 10th, 20th, 26th, and 27th; lightning on the 7th; hail on the 8th and 14th; stormy from the westward latter part of the month.

South Bruni.—Hail on the 1st; strong winds throughout, and rain fell on each day of the month.

Southport.—Hail on the 17th.

Carnarvon.—Thunderstorm on the 24th.

Swansea.—Rain on the 15th, 1.51 in.

Dog's Head (Lake Sorell).—Thunder on the 15th, 22nd, and 23rd; snowing on the 15th and 26th; on the 17th, Franklin and Cradle Mountains covered with snow; N.W. gales on the 23rd and 24th.

Oatlands.—Snowstorm on the 26th.

Campbell Town.—Violent thunder and hailstorm on the 24th.

Avoca.—Thunder on the 24th and 28th; hail on the 25th and 26th.

Ormley (Avoca).—Squally latter part of month; rain on the 16th, 2.10 in.

St. Helen's.—Rain on the 15th, 2.33 in.; 16th, 1.28 in.

Low Head.—Westerly gales on the 9th, 26th, and 31st; thunder on the 24th.

Launceston.—Thunder and hailstorm on the 24th.

Waratah.—Heavy fall of snow on the 7th; rain on the 8th, 1.41 in.

Circular Head.—Lightning on the 5th, 6th, 7th, and 11th; thunder on the 9th, 24th, and 26th; hail on the 9th and 23rd.

Corinna.—Thunderstorms on the 8th, 9th, 13th, 24th, and 26th; rain on the 8th, 1.25 in.

Reminé.—Thunder on the 7th, 23rd, and 24th; heavy rainfall for the month, 12.90 in.

NOVEMBER.—*Hobart*.—The lowest pressure occurred on the 14th, 28.990 in., falling for rain and fresh S.E. wind; violent squalls, duration about two minutes, at 1.25 P.M. on the 8th, velocity of the wind 47 miles per hour; snowing on Mount Wellington on the 8th; lightning on the 10th.

Apstarn.—Rain on the 24th, 1.78 in.

Ormley (Avoca).—Thunderstorm on the 28th; weather during the month all that could be desired.

Killymoon (Fingal).—No frosts; all vegetation growing rapidly.

Harefield (St. Mary's).—Rain on the 13th, 1.51 in.; 24th, 2.80 in.; heavy lightning on the 6th.

St. Helen's.—Rain on the 24th, 2.96 in.

Falmouth.—Rain on the 24th, in 16 hours, 4.87 in.; wind S.E.

Low Head.—Thunder and lightning on the 6th.

Launceston.—Lightning on the 6th; thunderstorm on the 28th.

Deloraine.—Rain on the 13th, 1.19 in.

Castra.—Rain on the 13th, 1.51 in.

Waratah.—Rain on the 14th, 1.01 in.; 29th, 1.06 in.

Circular Head.—Lightning on the 6th; W.S.W. gale on the 14th; lunar halo on the 23rd.

Corinna.—Rain on the 14th, 2.52 in.; 29th, 0.92 in.

DECEMBER.—*Hobart*.—Lightning on the 7th; distant thunder on the 8th and 27th; snowing on Mount Wellington on the 14th, 15th, and 24th; low temperature during the month, only on one day was it above 80 deg. in the shade, which was on the 6th, 87.3 deg.; the atmospheric pressure was also low; from the 18th to the 31st the highest recording of the barometer was 29.733 in.

Victoria Valley.—Four frosts.

Dog's Head (Lake Sorell).—Thick fog on the 21st; thunderstorm on the 22nd.

Ross.—Thunder showers on the 29th and 30th.

Oatlands.—Rain on the 22nd, 1.05 in.

Ormley (Avoca).—Thunder and lightning on the 22nd.

Killymoon (Fingal).—Very cloudy throughout the month, with very high winds, and remarkably cool for the time of year.

Mathinna.—Heavy thunder and lightning on the 18th and 29th.

Low Head.—Thunder on the 7th and 15th.

Circular Head.—Thunder and lightning on the 6th and 21st; lunar rainbows on the 22nd and 23rd.

Corinna.—Thunderstorm on the 6th.

SCHEDULE of Returns furnished with Report.

1. Abstract of Observations taken at Hobart.
2. Ditto Launceston.
3. Epitome of Results of Meteorological Observations at the various Stations for the year.
4. Maximum Pressure of Air at Stations for each month of the year 1890.
5. Minimum " " " "
6. Mean " " " "
7. Maximum Temperature of Air " " "
8. Minimum " " " "
9. Mean " " " "
10. Mean Temperature of Dew Point " " "
11. Mean Pressure of Vapour " " "
12. Mean Relative Humidity " " "
13. Mean and Extreme Results for the year 1890, from Observations taken at Hobart.
14. Maximum Temperature of Air in Shade at Hobart for each day of the year 1890.
15. Minimum " " " "
16. Summary of Direction of Wind at Hobart during 1890.
17. Hours of Sunshine at Hobart.
18. Velocity of the Wind in miles, by Hagamann's Anemometer ditto.
19. Rainfall in Tasmania.
20. Rainfall at Lighthouse Stations.
21. Showing the Mean, Mean Max. and Min. Temperature at different Stations from 1884 to 1889.

TALBE No. 1.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT HOBART FOR 1890.

Latitude, 42° 53' 28.3" S.: Longitude, 147° 19' 45" E. Height of Observatory above Sea Level, 160 feet. Barometer corrected to 32° deg. Fahrenheit, and reduced to Sea Level.

YEAR.	BAROMETER.	THERMOMETER IN SHADE.						RADIATION.		HUMIDITY.			RAIN.		PREVAILING WINDS.		CLOUDS.
		Maximum.	Mean Maximum.	Minimum.	Mean Minimum.	Mean Diurnal Range.	Mean Temperature of Month.	Solar Max.	Terrestrial Min.	Dew Point.	Pressure of Vapour.	Humidity.	Total Fall.	No. of days Rain fell.	Direction.	Force.		Amount.
1890.	<i>Mean.</i>																
January	Inches. 29.957	97.8	73.0	45.8	58.3	14.7	65.6	146.0	40.3	55.4	.439	0.71	Inches. 0.74	6	N.W. & S.E.	(0-12) 2.1	(0-10.) 5.3
February	29.950	96.0	73.7	49.0	56.2	17.5	65.0	144.0	44.2	56.2	.453	0.71	2.43	10	N.N.W., S.E., & S.W.	2.1	6.4
March	30.073	91.8	69.1	44.2	51.7	17.4	60.4	139.0	37.2	55.1	.434	0.78	2.56	11	N., W., & S.S.E.	2.1	6.3
April	30.042	74.0	64.3	38.8	48.8	15.5	56.6	124.0	32.0	50.5	.367	0.79	1.52	7	NN.W., W., & S.S.E.	1.7	6.0
May	30.134	68.5	60.0	38.8	44.8	15.2	52.4	126.0	32.0	48.1	.336	0.84	1.09	10	N.N.W. & S.	1.3	6.3
June	29.930	62.6	54.5	35.8	45.0	9.5	50.0	107.0	28.5	47.8	.333	0.92	5.37	24	N.N.W. & S.	1.7	8.0
July	29.966	56.3	51.3	31.8	37.8	13.5	44.6	109.0	26.5	40.9	.256	0.86	2.67	12	N.N.W. & S.W.	2.0	5.5
August	29.848	61.3	54.5	34.3	46.5	18.0	50.5	125.0	29.5	43.1	.278	0.82	3.59	17	N.W. & S.	2.0	6.3
September	29.767	70.0	60.8	35.2	44.5	16.3	52.7	129.0	31.0	46.3	.314	0.77	1.48	17	N.N.W. & S.S.W.	2.7	5.7
October	29.491	69.2	60.3	38.0	44.2	16.1	52.3	132.0	31.5	46.2	.314	0.79	2.63	27	N.N.W., W.S.W., & S.S.E.	3.0	7.7
November	29.759	88.7	64.4	39.3	47.8	16.6	56.1	138.0	33.0	48.8	.345	0.74	1.92	17	N., W.N.W., & S.S.E.	2.6	7.3
December	29.786	87.3	65.8	42.7	49.8	16.0	57.8	142.0	37.7	48.3	.339	0.69	1.51	15	N.W. & S.	2.6	7.4
MEAN AND TOTALS ..	29.872	..	62.64	..	47.95	15.5	55.3	..	..	48.9	.351	0.79	27.51	173	N.N.W., W., & S.S.E.	2.1	6.2
EXTREMES .....	..	Jan. 9 97.8	..	July 18 31.8	..	..	..	Jan. 9 146	July 16 26.5								

TABLE No. 2.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT LAUNCESTON FOR 1890.

Latitude, 41° 26' 1" S. Longitude, 147° 7' 49.5" E. Height of Observatory above sea level, 25 feet. Barometer corrected to 32° Fahrenheit, and reduced to sea level.

YEAR 1890.	BARO-METER.	THERMOMETER IN THE SHADE.						RADIATION.		HUMIDITY.			RAIN.		PREVAILING WINDS.		LOUDS.
	Mean.	Maxi-mum.	Mean Maxi-mum.	Mini-mum.	Mean Mini-mum.	Mean Diurnal Range.	Mean Temper-ature of Month.	Solar Maxi-mum.	Terres-trial Mini-mum.	Dew Point.	Pressure of Vapour.	Hu-midity.	Total Fall.	No. of Days Rain fell.	Direction.	Force.	Amount.
	Inches.	°	°	°	°	°	°	°	°	°	°	°	Inches.			(0-12.)	(0-10.)
January	29.954	97.5	81.0	43.0	55.0	26.0	68.0	144.5	41.0	62.2	.560	.72	1.17	5	N.N.W., & S.	1.7	1.6
February	29.966	95.2	82.3	50.0	56.6	25.7	69.5	146	45.5	62.0	.556	.75	2.58	8	N. & S.	2.0	3.7
March	30.099	84.2	75.4	33.5	52.6	22.8	64.0	138	31.0	56.7	.460	.74	3.22	8	N.N.W. & S.	2.0	4.0
April	30.114	74.9	66.5	32.9	44.9	21.6	55.7	122	30.0	50.8	.372	.78	2.40	8	N.N.W. & S.S.E.	1.7	3.2
May	30.186	67.5	60.1	35.7	41.4	18.7	50.8	114	32.9	49.1	.349	.87	0.95	7	N. & S.S.E.	1.5	4.0
June	29.943	65.0	57.1	31.0	44.5	12.6	50.8	108	29.0	48.1	.337	.89	6.28	19	N. & S.	2.2	5.6
July	30.038	63.5	55.0	24.5	33.6	21.4	44.3	102	22.3	41.4	.261	.85	4.27	8	N. & S.	1.5	4.3
August	29.898	63.5	52.9	27.5	36.6	16.3	44.8	108	26.0	42.5	.272	.81	3.31	11	N. & S.	2.3	4.0
September	29.844	67.8	60.8	30.0	41.2	19.6	51.0	120	29.0	46.6	.318	.80	3.18	13	N. & W.N.W.	2.4	4.5
October	29.565	69.0	63.3	34.0	42.3	21.0	52.3	131	30.5	46.3	.315	.75	4.03	20	N.W. & S.S.E.	3.0	4.4
November	29.799	78.2	69.9	37.0	48.1	23.8	58.0	134	33.0	49.2	.351	.66	1.57	8	N.N.W. & S.	2.7	4.1
December	29.832	85.7	72.2	38.0	47.7	24.5	60.0	140	32.5	54.0	.418	.73	0.90	7	N. & S.W.	2.7	4.0
MEAN	29.936	..	66.4	..	45.2	21.2	55.8	..	..	50.7	.381	.78	2.82	10.0	N.N.W. & S.	2.14	4.0
EXTREMES .....	..	Jan. 27 97.5	..	July 17 24.5	..	..	..	Jan. 1. 146	July 17 22.3	..	..	..	Total, 33.86	Total, 122			

TABLE No. 3.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT DIFFERENT STATIONS FOR THE YEAR 1890.

Latitude, 42° 53' 28.3" S. : Longitude, 147° 19' 45" E. Height of Observatory above Sea Level, 160 feet. Barometer corrected to 32° Fahrenheit, and reduced to Sea Level.

STATIONS.	BAROMETER.	THERMOMETER, IN THE SHADE.						RADIATION.		HUMIDITY, MEAN.			RAIN.		PREVAILING WINDS.		CLOUDS.
	Mean.	Maximum.	Mean Maximum.	Minimum.	Mean Minimum.	Mean Diurnal Range.	Mean Temperature of Year.	Solar Max.	Terrestrial Min.	Dew Point.	Pressure of Vapour.	Humidity.	Total Fall.	No. of days Rain fell.	Direction.	Force.	Amount.
	Inches.	°	°	°	°	°	°	°	°	°	°	°	Inches.			(0-12)	(0-10)
Southport.....	29.946	95.0	61.9	27.0	43.2	18.7	52.6	...	...	52.6	.403	.86	45.71	194	N.E., S., & W.	2.9	5.6
Hobart.....	29.892	97.8	62.6	31.8	48.0	14.6	55.3	146	26.5	48.9	.351	.78	27.51	173	N.N.W. & S.S.W.	2.2	6.5
Outlands.....	29.926	94.0	60.8	22.0	42.0	18.8	51.4	...	...	43.7	.289	.74	23.48	98	N.N.W. & S.W.	1.7	5.6
Falmouth.....	29.940	94.0	62.8	28.0	45.7	17.1	54.3	...	...	47.2	.333	.73	45.42	108	N.W. & South	2.4	5.3
Launceston.....	29.936	97.5	66.4	24.5	45.2	21.2	55.8	146	22.5	50.7	.381	.78	33.86	122	N. & S.	2.1	4.0
Low Head.....	29.990	83.0	63.8	31.5	49.4	14.4	56.7	...	...	51.5	.389	.80	40.50	127	N.N.W. & S.S.E.	2.9	4.3
Circular Head.....	29.966	80.0	62.3	33.5	49.8	12.5	56.1	...	...	49.2	.355	.75	39.00	179	N.W., S.W., & E.	3.0	5.4
Corinna.....	29.935	97.0	63.0	27.0	49.9	13.1	54.0	...	...	...	...	...	69.50	173	N., W., & South	2.2	5.3
Waratah.....	29.883	88.0	59.8	23.0	41.2	18.6	50.5	...	...	46.3	.318	.83	76.45	152	N. & S.	2.5	6.2

TABLE No. 4.

MAXIMUM PRESSURE OF AIR AT DIFFERENT STATIONS FOR EACH MONTH OF THE YEAR 1890.

MONTHS.	SOUTHPORT. (South.)	HOBART. (South.)	OATLANDS. (Central.)	FALMOUTH. (East.)	LAUNCESTON. (North.)	LOW HEAD. (North.)	CIRCULAR HEAD. (North West.)	CORINNA. (West.)	WARATAH. (North-West.)
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
January.....	30.535	30.482	30.423	30.462	30.461	30.447	30.427	30.386	30.326
February.....	30.510	30.456	30.502	30.541	30.474	30.496	30.445	30.399	30.273
March.....	30.516	30.467	30.441	30.543	30.469	30.492	30.424	30.432	30.371
April.....	30.620	30.544	30.565	30.557	30.563	30.590	30.568	30.562	30.449
May.....	30.541	30.490	30.444	30.594	30.531	30.650	30.518	30.509	30.384
June.....	30.489	30.390	30.353	30.365	30.384	30.400	30.370	30.383	30.397
July.....	30.617	30.511	30.523	30.582	30.566	30.585	30.577	30.563	30.429
August.....	30.304	30.224	30.257	30.259	30.331	30.352	30.333	30.291	30.199
September.....	30.289	30.333	30.329	30.352	30.371	30.380	30.333	30.302	30.211
October.....	29.917	29.861	29.894	29.961	29.887	29.932	29.959	29.969	29.860
November.....	30.332	30.257	30.282	30.280	30.312	30.359	30.340	30.291	29.082
December.....	30.376	30.339	30.341	30.323	30.410	30.431	30.340	30.358	29.356
MAXIMUM.....	30.620	30.544	30.565	30.594	30.563	30.650	30.577	30.563	30.449

TABLE No. 5.

MINIMUM PRESSURE OF AIR AT DIFFERENT STATIONS FOR EACH MONTH OF THE YEAR 1890.

MONTHS.	SOUTHPORT.	HOBART.	OATLANDS.	FALMOUTH.	LAUNCESTON.	LOW HEAD.	CIRCULAR HEAD.	CORINNA.	WARATAH.
	20 ft. above sea level. South.	160 ft. above sea level. South.	1337 ft. above sea level. Central.	30 ft. above sea level. East.	25 ft. above sea level. North.	25 ft. above sea level. North.	64 ft. above sea level. North West.	15 ft. above sea level. West.	2000 ft. above sea level. North west.
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
January	29·540	29·535	29·679	29·562	29·595	29·728	29·666	29·564	29·611
February	29·387	29·396	29·477	29·442	29·429	29·408	29·328	29·275	29·382
March	29·766	29·690	29·782	29·793	29·809	29·766	29·823	29·765	29·802
April	29·514	29·514	29·533	29·527	29·602	29·640	29·671	29·623	29·563
May	29·599	29·600	29·678	29·635	29·704	29·746	29·782	29·776	29·622
June	29·431	29·342	29·335	29·245	29·330	29·410	29·433	29·422	29·397
July	29·344	29·328	29·371	29·341	29·369	29·415	29·401	29·373	29·304
August	29·446	29·435	29·500	29·452	29·522	29·573	29·609	29·558	29·510
September	28·993	28·973	29·081	29·121	29·169	29·243	29·256	29·157	29·147
October	29·054	28·963	29·045	29·000	29·045	29·044	29·022	28·896	28·840
November	29·003	28·990	29·101	29·014	29·054	29·093	29·200	29·097	29·082
December	29·140	29·219	29·273	29·306	29·287	29·366	29·357	29·302	29·356
MINIMUM	28·993	28·963	29·045	29·000	29·045	29·044	29·022	28·896	28·840

TABLE No. 6.

BAROMETRIC RESULTS.

MEAN PRESSURE OF AIR AT DIFFERENT STATIONS FOR EACH MONTH OF THE YEAR 1890.

MONTH.	SOUTHPORT.	HOBART.	OATLANDS.	FALMOUTH.	LAUNCESTON.	LOW HEAD.	CIRCULAR HEAD.	CORINNA.	WARATAH.
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
January	30·022	29·957	29·958	30·019	29·954	30·034	30·010	29·978	29·934
February	29·991	29·950	29·947	29·962	29·966	30·019	29·982	29·961	29·944
March	30·118	30·073	30·062	30·109	30·099	30·129	30·105	30·025	30·049
April	30·093	30·042	30·100	30·109	30·114	30·168	30·144	30·078	30·056
May	30·196	30·134	30·178	30·197	30·186	30·253	30·188	30·180	30·097
June	29·995	29·930	29·943	29·934	29·943	29·979	29·951	29·937	29·827
July	30·043	29·966	29·998	30·029	30·038	30·086	30·042	30·031	29·957
August	29·897	29·848	29·889	29·883	29·898	29·943	29·915	29·890	29·822
September	29·812	29·767	29·835	29·850	29·844	29·904	29·878	29·866	29·795
October	29·546	29·491	29·552	29·558	29·565	29·623	29·611	29·591	29·543
November	29·811	29·759	29·819	29·796	29·799	29·849	29·876	29·825	29·769
December	29·833	29·786	29·835	29·840	29·832	29·898	29·895	29·854	29·799
MEAN	29·946	28·892	29·926	29·941	29·937	29·990	29·966	29·935	29·874

TABLE No. 7.

THERMOMETRIC RESULTS.

MAXIMUM TEMPERATURE OF AIR AT DIFFERENT STATIONS FOR EACH MONTH OF THE YEAR 1890.

MONTHS.	SOUTHPORT.	HOBART.	OATLANDS.	AVOCA.	FALMOUTH.	LAUNCESTON.	LOW HEAD.	CIRCULAR HEAD.	CORINNA.	WARATAH.
January	95.0	97.8	93.0	88.0	94.0	97.5	83.0	80.0	95.0	86.0
February	84.0	96.0	94.0	89.0	85.0	95.2	81.5	78.0	97.0	88.0
March	93.0	91.8	82.0	79.0	89.0	84.2	79.5	78.0	88.0	80.0
April	74.0	74.0	71.0	67.0	75.0	74.9	71.5	69.5	74.0	73.0
May	66.0	68.5	62.0	69.0	67.0	67.5	68.0	65.0	65.0	62.0
June	63.0	62.6	57.0	58.0	62.0	65.0	65.0	62.2	61.0	56.0
July	58.0	56.3	52.0	52.0	58.0	63.5	60.0	59.0	59.0	58.0
August	60.0	61.3	56.0	57.0	60.0	63.5	61.0	58.0	61.0	63.0
September	70.0	70.0	66.0	65.0	65.0	67.8	63.0	63.0	69.0	60.0
October	66.0	69.2	70.0	72.0	77.0	69.0	65.0	64.0	64.0	65.0
November	87.0	88.7	77.0	78.0	86.0	78.2	70.0	71.0	82.0	77.0
December	79.0	87.3	82.0	80.0	80.0	85.7	76.0	70.0	88.0	82.0
MAX.	95.0	97.8	94.0	89.0	94.0	97.5	83.0	80.0	97.0	88.0

TABLE No. 8.

MINIMUM TEMPERATURE OF AIR AT DIFFERENT STATIONS FOR EACH MONTH OF THE YEAR 1890.

MONTHS.	SOUTHPORT.	HOBART.	OATLANDS.	AVOCA.	FALMOUTH.	LAUNCESTON.	LOW HEAD.	CIRCULAR HEAD.	CORINNA.	WARATAH.
January	40.0	45.8	38.0	43.0	44.0	43.0	47.0	46.0	43.0	37.0
February	37.0	49.0	43.0	43.0	40.0	50.0	54.6	52.0	45.0	42.0
March	39.0	44.2	39.0	41.0	43.0	33.5	48.0	45.5	42.0	33.0
April	33.0	38.8	28.0	36.0	38.0	32.9	39.0	39.0	38.0	31.0
May	30.0	38.8	27.0	35.0	38.0	35.7	41.0	41.0	35.0	31.0
June	33.0	35.8	22.0	32.0	35.0	31.0	38.0	38.0	30.0	27.0
July	27.0	31.3	23.0	25.0	28.0	24.5	31.5	33.5	27.0	25.0
August	30.0	34.3	27.0	31.0	31.0	27.5	34.0	34.8	31.0	28.0
September	32.0	35.2	35.0	35.0	31.0	30.0	37.0	34.0	32.0	27.0
October	28.0	38.0	32.0	37.0	32.0	34.0	37.5	37.5	33.0	31.0
November	33.0	39.3	35.0	38.0	33.0	37.0	45.0	41.5	38.0	32.0
December	39.0	42.7	35.0	39.0	39.0	38.0	44.0	43.0	38.0	34.0
MIN.	27.0	31.8	22.0	25.0	28.0	24.5	31.5	33.5	27.0	23.0

TABLE No. 9.
MEAN TEMPERATURE OF AIR AT DIFFERENT STATIONS FOR EACH MONTH OF THE YEAR 1890.
THERMOMETRIC RESULTS.

MONTHS.	SOUTHPORT.	HOBART.	OATLANDS.	AVOCA.	FALMOUTH.	LAUNCESTON.	LOW HEAD.	CIRCULAR HEAD.	CORINNA.	WARATAH.
January	61.4	65.6	63.4	66.5	62.6	68.0	66.0	64.3	66.1	61.9
February	60.2	65.0	62.2	65.1	63.7	69.5	67.6	66.0	66.3	61.9
March	58.9	60.4	57.7	59.1	60.8	64.0	65.0	63.1	61.3	58.5
April	53.2	56.6	50.9	52.4	56.5	55.7	58.1	56.3	54.8	51.5
May	49.0	52.4	46.4	47.8	52.1	50.8	54.3	55.3	50.7	48.5
June	48.9	50.0	44.6	49.0	50.9	50.8	52.4	53.1	48.0	45.2
July	43.8	44.6	40.3	41.5	45.5	44.3	47.6	48.0	43.3	41.6
August	46.4	50.5	43.3	44.8	46.3	44.8	49.0	48.9	46.8	42.3
September	50.4	52.7	49.0	50.2	50.2	51.0	52.4	51.9	50.5	46.3
October	49.5	52.3	51.3	52.3	51.5	52.8	53.0	52.5	50.2	45.4
November	54.0	56.1	53.2	56.4	55.5	58.0	56.6	55.5	53.6	50.7
December	54.7	57.8	54.6	58.1	56.0	60.0	58.5	57.2	56.1	52.8
MEAN	52.6	55.3	51.4	53.4	54.3	55.8	56.7	56.1	54.0	50.5

TABLE No. 10.
MEAN TEMPERATURE OF DEW POINT AT DIFFERENT STATIONS FOR EACH MONTH OF THE YEAR 1890.

MONTHS.	SOUTHPORT.	HOBART.	OATLANDS.	FALMOUTH.	LAUNCESTON.	LOW HEAD.	CIRCULAR HEAD.	WARATAH.
January	60.9	55.4	51.8	57.0	62.2	59.4	55.5	50.9
February	61.1	56.2	53.1	53.6	62.0	60.7	57.3	52.3
March	58.8	55.1	50.6	55.5	56.7	58.9	55.3	51.7
April	53.5	50.5	45.4	50.1	50.8	52.5	51.7	46.8
May	48.0	48.1	41.5	45.2	49.1	50.1	53.6	45.3
June	46.9	47.8	37.8	42.7	48.1	49.3	47.2	42.9
July	43.7	40.9	36.9	37.9	41.4	43.2	41.3	38.2
August	46.8	43.1	38.4	39.7	42.5	44.3	41.3	41.1
September	51.4	46.3	40.1	41.7	46.6	48.1	46.1	43.7
October	50.7	46.2	41.1	46.0	46.3	47.2	45.1	43.5
November	54.8	48.8	43.8	46.8	49.2	52.5	47.4	48.3
December	54.8	48.3	43.8	50.8	54.0	52.3	48.1	51.1
MEAN	52.6	48.9	43.7	47.2	50.7	51.5	49.2	46.3

TABLE No. 11.

HYGROMETRIC RESULTS.

MEAN PRESSURE OF VAPOUR AT DIFFERENT STATIONS FOR EACH MONTH OF THE YEAR 1890.

MONTHS.	SOUTHPORT.	HOBART.	OATLANDS.	FALMOUTH.	LAUNCESTON.	LOW HEAD.	CIRCULAR HEAD.	WARATAH.
January	·535	·439	·335	·465	·560	·506	·440	·373
February	·539	·453	·404	·412	·556	·530	·470	·393
March	·496	·434	·368	·440	·460	·497	·438	·384
April	·411	·367	·304	·362	·372	·396	·384	·321
May	·335	·336	·262	·302	·349	·362	·412	·303
June	·322	·333	·227	·274	·337	·352	·325	·276
July	·285	·256	·219	·228	·261	·279	·260	·231
August	·320	·278	·224	·244	·272	·291	·260	·258
September	·379	·314	·248	·264	·318	·336	·312	·285
October	·359	·314	·258	·310	·315	·325	·301	·283
November	·429	·345	·286	·321	·351	·396	·328	·339
December	·429	·339	·286	·371	·418	·392	·336	·375
MEAN	·403	·351	·289	·333	·381	·388	·355	·319

TABLE No. 12.

MEAN RELATIVE HUMIDITY AT DIFFERENT STATIONS FOR EACH MONTH OF THE YEAR 1890.

MONTHS.	SOUTHPORT.	HOBART.	OATLANDS.	FALMOUTH.	LAUNCESTON.	LOW HEAD.	CIRCULAR HEAD.	WARATAH.
January	·84	·71	·62	·78	·72	·75	·69	·68
February	·85	·71	·69	·74	·75	·77	·71	·75
March	·83	·78	·77	·76	·74	·81	·74	·78
April	·84	·79	·78	·75	·78	·80	·80	·83
May	·83	·84	·80	·74	·87	·84	·90	·89
June	·85	·92	·70	·73	·89	·88	·78	·71
July	·87	·86	·84	·70	·85	·82	·75	·87
August	·89	·82	·79	·71	·81	·81	·71	·90
September	·89	·77	·71	·70	·80	·82	·77	·88
October	·85	·79	·70	·73	·75	·77	·74	·88
November	·90	·74	·67	·69	·66	·78	·71	·88
December	·89	·69	·79	·75	·73	·75	·67	·88
MEAN	·86	·78	·74	·73	·78	·80	·75	·83

TABLE No. 13.

MEAN AND EXTREME RESULTS FOR THE YEAR 1890.

From Observations taken at Hobart.

<i>Barometer—</i>	
Highest reading.....	30·544 inches, on 15th April.
Lowest ditto	28·963 inches, on 24th October.
Range for the year	1·581 inches.
<i>Thermometer—</i>	
Radiation, Solar, maximum.....	146°, on 9th January.
Ditto, Terrestrial, minimum	26° 5', on 16th July.
Maximum in the shade.....	97° 8', on 9th January.
Minimum ditto	31° 8', on 18th July.
Range for the year	66°.
Highest mean daily reading for one month	65° 6', January.
Lowest, ditto, ditto	44° 6', July.
<i>Humidity—</i>	
Mean maximum for one month (saturation = 100) ...	·92, June.
Mean for the year	·785.
<i>Condensation—</i>	
Total for the year	27·51 inches.
Total Number of Rainy Days	173.
Maximum fall for one month	5·37 inches, June.
Minimum, ditto.....	0·74 inches, January.
Maximum fall in 24 hours	2·28 inches, 13th August.

TABLE No. 14

MAXIMUM TEMPERATURE OF THE AIR (IN SHADE) AT HOBART ON EACH DAY OF THE YEAR 1890,

Latitude, 42° 53' 28·3" S.: Longitude, 147° 19' 45" E. Distance from Sea Coast, 10 miles.

<i>Day of Month.</i>	<i>January.</i>	<i>February.</i>	<i>March.</i>	<i>April.</i>	<i>May.</i>	<i>June.</i>	<i>July.</i>	<i>August.</i>	<i>September.</i>	<i>October.</i>	<i>November.</i>	<i>December.</i>
1.....	80·7	87·8	70·7	66·8	64·0	59·8	48·0	46·2	55·7	52·5	68·8	61·3
2.....	90·3	81·8	67·2	64·0	55·0	60·0	55·0	50·5	59·0	56·5	72·0	65·7
3.....	69·0	82·8	72·0	71·5	60·7	51·7	51·8	53·3	60·7	61·0	69·3	61·3
4.....	66·0	89·8	72·3	71·0	60·2	51·2	50·8	57·0	64·0	63·0	65·2	65·0
5.....	75·5	92·3	83·2	68·3	58·8	52·8	51·5	54·8	65·8	66·7	88·7	77·2
6.....	62·8	96·0	60·0	70·0	59·0	62·6	46·8	53·7	58·7	65·8	60·0	87·3
7.....	69·3	70·8	62·5	69·8	62·5	57·0	53·8	54·8	48·0	68·2	61·2	75·3
8.....	71·0	67·0	72·2	72·3	63·7	57·7	45·5	58·2	50·0	61·2	63·8	65·7
9.....	97·8	78·0	80·0	66·0	54·5	54·0	42·7	51·8	58·5	58·0	59·0	72·8
10.....	64·2	63·3	81·0	62·0	60·0	52·4	48·8	49·8	65·0	52·0	61·5	72·7
11.....	70·0	63·8	82·2	55·2	58·3	53·0	49·3	51·0	59·5	61·0	59·3	69·7
12.....	66·8	70·8	72·3	51·8	63·5	60·2	49·8	55·2	58·8	61·0	60·0	66·2
13.....	74·0	66·5	70·0	62·8	61·2	59·0	56·3	50·0	64·8	57·5	59·7	63·3
14.....	70·0	67·2	84·0	57·8	66·8	55·6	55·3	51·0	61·2	55·0	73·8	57·7
15.....	67·0	65·7	91·8	61·2	68·5	53·0	46·5	53·8	65·0	62·0	61·2	59·7
16.....	63·5	64·5	76·0	56·8	56·7	54·0	49·5	57·7	58·3	52·3	67·8	56·3
17.....	73·2	66·6	63·0	63·4	51·0	54·0	50·0	61·3	60·4	56·2	70·7	56·3
18.....	75·8	68·0	56·0	65·0	52·8	50·7	48·0	51·5	59·7	52·5	69·6	56·2
19.....	76·3	77·5	57·0	67·0	57·2	54·7	50·3	48·8	60·7	56·8	65·5	67·0
20.....	83·3	74·0	63·8	65·0	59·8	57·0	55·0	56·7	57·0	58·5	55·0	69·5
21.....	81·0	61·3	68·0	65·3	61·2	57·2	53·0	59·0	66·3	61·0	64·2	75·8
22.....	75·7	76·8	66·2	74·0	59·5	57·8	50·0	57·0	67·5	61·6	59·0	57·0
23.....	62·2	63·7	61·5	71·2	63·5	55·2	54·5	54·2	70·0	68·8	56·0	60·0
24.....	74·0	66·7	64·0	70·2	61·0	50·8	52·5	54·5	60·8	60·0	61·3	65·0
25.....	77·5	72·0	68·5	68·0	58·2	50·0	55·6	58·2	56·2	55·3	56·0	59·8
26.....	79·5	78·2	58·0	56·0	60·3	50·5	53·0	55·0	65·2	56·3	57·4	62·8
27.....	78·8	84·3	60·5	55·2	56·2	51·7	54·8	54·3	61·0	60·2	70·2	63·0
28.....	72·0	65·5	65·0	61·8	60·5	51·0	53·8	56·5	61·8	68·3	71·8	60·3
29.....	60·8	—	67·2	59·2	59·8	49·0	54·5	61·0	60·0	67·0	69·2	73·0
30.....	63·0	—	64·7	59·4	65·8	50·8	56·2	59·2	63·0	63·0	55·3	73·2
31.....	70·0	—	60·8	—	60·5	—	48·8	54·4	—	69·2	—	63·8
Mean...	72·0	73·7	69·0	64·3	60·0	54·5	51·3	54·5	60·8	60·3	64·4	65·8

TABLE No. 15.

MINIMUM TEMPERATURE OF THE AIR (IN SHADE) AT HOBART FOR EACH DAY OF THE YEAR 1890.

<i>Day of Month.</i>	<i>January.</i>	<i>February.</i>	<i>March.</i>	<i>April.</i>	<i>May.</i>	<i>June.</i>	<i>July.</i>	<i>August.</i>	<i>September.</i>	<i>October.</i>	<i>November.</i>	<i>December.</i>
	°	°	°	°	°	°	°	°	°	°	°	°
1.....	49·0	52·0	47·2	53·5	44·3	49·0	34·0	43·0	47·8	42·5	55·0	43·6
2.....	56·2	58·0	52·0	56·8	47·0	48·3	40·2	36·8	47·8	41·0	53·2	43·0
3.....	57·8	54·0	53·0	48·0	41·7	44·2	39·0	35·0	41·0	41·5	50·0	52·8
4.....	46·2	58·7	57·0	47·0	40·0	43·0	38·2	41·2	42·0	43·3	45·0	53·0
5.....	56·2	63·0	61·7	46·2	42·0	46·3	36·3	35·3	41·3	49·0	52·0	53·2
6.....	52·0	67·3	59·8	50·0	41·7	49·0	34·7	38·2	49·2	47·0	59·0	52·8
7.....	49·2	62·2	53·0	45·2	39·8	49·0	40·2	42·0	42·7	45·0	44·0	63·8
8.....	47·0	56·0	50·2	55·0	40·0	49·2	42·3	37·5	40·2	45·0	43·8	50·0
9.....	57·0	57·8	54·0	53·5	50·0	43·0	35·5	43·5	35·2	40·0	40·3	50·8
10.....	59·0	57·4	60·2	46·3	47·2	45·0	34·8	42·4	41·3	43·0	43·2	53·7
11.....	51·6	57·2	61·8	47·2	38·8	48·0	32·0	38·8	42·3	40·0	47·2	54·8
12.....	48·2	56·0	56·8	41·0	39·7	44·7	39·8	35·2	42·5	48·2	47·0	49·0
13.....	45·8	57·2	54·7	48·5	45·0	44·0	41·0	34·3	42·7	47·2	48·5	49·0
14.....	48·2	56·8	53·0	49·0	46·7	41·2	47·0	40·0	49·0	42·8	52·3	46·2
15.....	53·0	58·0	55·5	49·2	48·8	51·0	35·0	46·8	46·8	41·2	49·3	43·6
16.....	56·0	58·0	66·5	51·2	50·5	43·0	32·0	47·7	52·0	46·7	42·0	43·0
17.....	57·0	50·5	54·0	47·2	45·5	39·7	33·0	42·8	44·0	44·7	45·8	42·7
18.....	55·0	50·2	54·2	43·0	45·0	40·0	31·8	42·2	47·8	38·0	49·0	46·8
19.....	58·2	51·0	52·5	55·7	41·6	43·8	32·0	39·8	44·0	41·0	50·8	43·2
20.....	58·2	54·0	54·2	45·5	39·8	39·2	36·8	35·2	44·0	40·8	45·0	52·8
21.....	69·0	53·2	46·2	52·0	42·5	49·8	39·8	37·8	41·6	40·0	39·3	52·0
22.....	59·3	53·5	52·2	48·2	44·2	48·5	44·2	39·3	44·0	43·2	48·2	53·7
23.....	55·0	51·8	44·2	48·0	42·8	49·0	41·0	38·8	47·2	48·8	47·0	49·0
24.....	55·0	49·0	50·5	47·3	39·5	47·3	43·8	44·0	48·2	43·7	48·8	51·2
25.....	55·0	56·0	53·8	51·6	52·0	42·8	38·3	38·3	42·8	46·0	52·0	43·0
26.....	60·0	56·7	52·0	53·0	47·7	44·0	38·7	39·0	41·7	44·8	46·7	47·0
27.....	61·2	60·0	45·7	49·5	47·0	45·0	37·8	38·8	48·2	39·0	51·0	51·2
28.....	68·5	57·5	53·8	44·0	48·2	44·0	41·0	40·0	48·2	47·0	47·7	50·0
29.....	52·2	—	48·2	51·8	48·0	43·0	37·8	40·7	45·0	56·5	45·8	51·5
30.....	54·0	—	45·3	38·8	55·2	35·8	37·2	43·0	44·8	45·2	46·2	54·8
31.....	56·0	—	50·2	—	45·8	—	37·2	45·0	—	49·7	—	51·8
Mean.....	55·0	56·2	53·3	48·8	44·8	45·0	37·8	40·1	44·5	44·2	47·8	49·8

TABLE No. 16.

SUMMARY OF THE DIRECTION OF THE WIND AT HOBART DURING EACH MONTH OF THE YEAR 1890.

DIRECTION.	JANUARY.			FEBRUARY.			MARCH.			APRIL.			MAY.			JUN.			JULY.			AUGUST.			SEPTEMBER.			OCTOBER.			NOVEMBER.			DECEMBER.			TOTAL IN ONE 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	6	1	5	8	...	...	13	5	5	9	4	6	13	4	9	7	3	6	13	9	9	9	3	8	13	7	8	11	4	5	9	2	5	7	1	4	231
North East.....	1	1	...	...	1	2	...	1	1	...	...	1	1	...	...	...	...	...	...	1	...	1	1	1	...	1	1	1	...	2	...	...	...	...	...	18	
East.....	1	1	5	...	2	1	...	2	1	...	...	...	...	...	...	...	...	2	...	...	...	...	1	...	...	...	...	...	...	...	...	1	1	...	18		
South East.....	12	22	10	5	22	8	6	14	4	...	12	1	1	9	1	3	3	2	...	3	...	1	7	1	...	8	2	2	8	1	6	17	2	5	15	1	214
South.....	2	2	4	3	...	5	2	5	5	1	...	1	2	...	1	5	5	7	1	1	2	2	3	2	...	2	1	2	3	3	4	2	9	3	2	6	98
South West.....	1	3	4	1	1	4	1	2	2	2	3	1	2	1	4	1	2	3	3	5	4	2	3	2	3	4	3	3	6	2	3	2	4	4	5	4	100
West.....	...	1	1	1	1	3	...	1	5	...	1	10	...	1	8	...	...	4	...	3	5	2	1	8	1	...	7	4	2	6	...	3	5	4	3	5	95
North West.....	2	...	...	5	1	2	2	1	2	13	5	6	6	2	3	5	3	4	6	6	5	8	6	4	10	6	6	5	7	9	4	5	4	5	4	6	168
Calms.....	6	...	2	5	...	3	7	...	6	5	5	4	6	14	5	9	14	4	8	4	3	7	7	5	2	3	1	3	...	5	2	...	1	2	...	5	153

TABLE No. 17.

TABLE SHOWING THE NUMBER OF HOURS OF SUNSHINE AT HOBART DURING THE YEAR 1890.

Month.	Hours Sun- above Hor- zon middle of each Month.																															Total No. of Hours of Sunshine.	Total pos- sible No. of Hours of Sunshine.		
		1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	25.	26.	27.	28.	29.	30.			31.	
January	14.9	12.0	12.0	10.2	9.8	9.4	11.7	7.8	12.2	11.2	1.2	10.0	7.6	12.2	9.6	11.3	2.4	11.7	6.7	11.3	11.3	1.5	0.4	3.0	8.6	11.7	11.0	5.0	1.2	4.8	0.3	3.2	242.3	383	
February	13.7	11.3	10.0	11.0	11.0	10.5	9.0	1.2	2.7	8.0	...	0.2	3.0	...	0.8	...	6.5	6.0	10.7	10.5	8.5	0.3	5.2	8.7	6.7	7.3	10.5	7.2	6.4	...	...	...	174.2	291
March.....	12.4	7.3	...	8.0	1.3	9.3	...	0.7	9.5	6.8	6.7	7.7	10.0	7.7	9.5	9.2	5.5	3.5	...	...	3.8	8.2	5.2	6.0	1.5	...	5.7	2.3	5.0	8.5	9.3	...	158.2	332
April.....	10.9	8.0	8.8	9.3	9.7	9.0	3.3	9.3	0.7	...	7.2	4.5	...	8.0	2.3	2.0	...	6.6	7.0	5.1	0.4	8.4	9.0	9.2	5.8	4.5	...	4.4	...	5.2	6.5	...	154.2	279	
May.....	9.6	5.0	1.0	7.3	8.4	7.2	5.0	7.7	8.3	...	4.5	6.7	8.5	0.5	7.0	8.3	...	...	2.2	4.0	6.2	5.8	7.0	6.8	5.5	...	0.7	1.0	3.5	4.5	4.4	2.6	139.6	235
June.....	9.0	2.8	3.1	...	...	...	8.0	...	1.8	5.5	...	...	6.8	7.3	...	...	2.7	...	...	7.5	1.3	...	3.2	...	3.8	...	...	0.6	0.5	4.7	5.0	...	64.6	232
July.....	9.2	3.0	4.5	7.0	7.0	5.8	1.3	2.0	...	...	6.0	8.2	2.5	3.8	7.6	6.4	5.8	7.4	8.2	5.0	5.8	2.7	0.5	7.7	6.6	5.2	6.3	7.8	3.0	8.2	8.3	...	153.6	248
August.....	10.3	3.5	7.7	8.2	6.8	7.0	0.5	3.0	4.5	5.5	3.8	4.7	8.7	1.0	...	1.0	7.3	6.3	5.5	2.3	8.8	6.7	8.5	0.6	...	6.3	4.7	0.6	5.0	6.5	6.3	3.5	144.8	279	
September ...	11.7	3.8	6.7	7.7	9.7	7.5	1.0	...	7.0	6.5	4.7	8.2	2.0	8.5	2.8	6.4	2.3	7.8	6.0	4.0	7.0	8.2	8.6	4.4	7.6	3.0	9.3	2.0	8.2	5.7	1.2	...	167.8	312	
October	13.1	8.0	6.7	3.8	6.8	5.5	8.3	7.2	5.5	3.8	5.3	4.4	4.2	2.2	6.0	7.2	...	5.8	2.2	2.3	6.8	9.0	5.5	5.0	2.5	6.0	6.0	7.8	7.2	...	9.2	8.2	8.2	168.4	354
November ...	14.5	6.5	11.2	11.3	10.2	8.7	1.7	11.4	10.2	6.0	10.8	2.8	6.0	...	7.5	10.7	...	9.2	11.3	4.7	6.5	7.2	3.7	3.4	0.4	...	3.5	9.7	5.5	7.8	6.8	...	194.7	365	
December	15.2	9.5	11.6	1.0	5.3	11.3	11.2	1.3	5.0	6.6	6.7	6.8	7.7	1.7	6.0	10.8	9.2	5.0	2.3	10.8	9.5	3.6	...	3.4	7.5	8.6	10.2	8.8	5.2	6.2	8.7	6.0	207.5	403	

TABLE NO. 18.

TOTAL ESTIMATED MOTION OF AIR, AND GREATEST VELOCITY OF THE WIND,
AS REGISTERED BY HAGEMANN'S ANEMOMETER, 1890.

<i>Date.</i>		<i>Total estimated Motion of Air in Miles.</i>	<i>Greatest Velocity of Wind in Miles per Hour</i>	<i>Date.</i>		<i>Total estimated Motion of Air in Miles.</i>	<i>Greatest Velocity of Wind in Miles per Hour</i>
January	1.....	—	—	March	1.....	9	5
	2.....	54	21		2.....	54	12
	3.....	96	28		3.....	40	6
	4.....	41	14		4.....	90	21
	5.....	31	13		5.....	63	13
	6.....	219	32		6.....	13	2
	7.....	18	3		7.....	18	3
	8.....	18	3		8.....	13	2
	9.....	237	26		9.....	13	4
	10.....	63	14		10.....	55	21
	11.....	81	24		11.....	168	27
	12.....	170	24		12.....	112	24
	13.....	27	10		13.....	13	6
	14.....	60	18		14.....	118	21
	15.....	66	16		15.....	133	24
	16.....	31	8		16.....	136	18
	17.....	99	22		17.....	18	4
	18.....	79	15		18.....	31	7
	19.....	36	11		19.....	156	19
	20.....	45	10		20.....	126	23
	21.....	31	14		21.....	24	6
	22.....	42	15		22.....	76	25
	23.....	63	15		23.....	22	6
	24.....	40	12		24.....	13	5
	25.....	31	8		25.....	18	6
	26.....	45	8		26.....	147	25
	27.....	22	7		27.....	133	23
	28.....	183	28		28.....	84	18
	29.....	130	16		29.....	31	11
	30.....	31	7		30.....	18	3
	31.....	72	18		31.....	13	5
		2161	32			1958	27
February	1.....	114	18	April	1.....	222	24
	2.....	36	10		2.....	120	23
	3.....	49	9		3.....	27	12
	4.....	45	11		4.....	45	6
	5.....	18	4		5.....	18	4
	6.....	46	15		6.....	18	3
	7.....	15	4		7.....	18	5
	8.....	18	4		8.....	40	13
	9.....	67	13		9.....	13	2
	10.....	27	5		10.....	40	13
	11.....	22	6		11.....	96	19
	12.....	84	21		12.....	18	6
	13.....	112	15		13.....	49	14
	14.....	277	32		14.....	31	9
	15.....	58	14		15.....	13	3
	16.....	211	20		16.....	0	0
	17.....	69	18		17.....	31	6
	18.....	13	3		18.....	63	11
	19.....	103	14		19.....	60	12
	20.....	76	14		20.....	9	3
	21.....	40	10		21.....	22	3
	22.....	84	16		22.....	40	6
	23.....	45	12		23.....	22	3
	24.....	22	7		24.....	18	2
	25.....	54	8		25.....	90	14
	26.....	100	20		26.....	9	2
	27.....	196	24		27.....	49	14
	28.....	97	17		28.....	162	14
		2098	32	29.....	60	14	
				30.....	18	9	
						1421	24

<i>Date.</i>		<i>Total estimated Motion of Air in Miles.</i>	<i>Greatest Velocity of Wind in Miles per Hour</i>	<i>Date.</i>		<i>Total estimated Motion of Air in Miles.</i>	<i>Greatest Velocity of Wind in Miles per Hour</i>
May	1	Anemometer out of order.	28	July	1.....	18	10
	2		21		2.....	13	2
	3		28		3.....	49	10
	4		34		4.....	36	9
	5		21		5.....	22	6
	6		10		6.....	152	18
	7		14		7.....	22	3
	8		6		8.....	150	27
	9		10		9.....	150	21
	10.....		19		10.....	18	2
	11.....		14		11.....	54	6
	12.....		12		12.....	66	26
	13.....		22		13.....	139	27
	14.....		14		14.....	298	40
	15.....		17		15.....	91	22
	16.....		21		16.....	18	6
	17.....		12		17.....	31	7
	18.....		13		18.....	49	8
	19.....		25		19.....	54	12
	20.....		21		20.....	34	9
	21.....		30		21.....	3	2
	22.....		30		22.....	75	20
	23.....		21		23.....	81	23
	24.....		8		24.....	82	20
	25.....		5		25.....	27	14
	26.....		6		26.....	9	2
	27.....		4		27.....	9	2
	28.....		3		28.....	8	2
	29.....		3		29.....	31	4
	30.....		13		30.....	45	7
	31.....		7		31.....	18	4
		—	34			1852	40
June	1	Anemometer out of order.	4	August	1.....	180	26
	2		4		2.....	45	8
	3		4		3.....	117	20
	4		4		4.....	13	2
	5		5		5.....	91	14
	6		4		6.....	102	20
	7		3		7.....	45	9
	8		34		8.....	97	18
	9		27		9.....	222	18
	10.....		7		10.....	102	14
	11.....		21		11.....	13	3
	12.....		17		12.....	40	13
	13.....		44		13.....	18	6
	14.....		48		14.....	114	24
	15.....		29		15.....	183	20
	16.....		4		16.....	46	18
	17.....		4		17.....	169	24
	18.....		8		18.....	204	25
	19.....		6		19.....	75	18
	20.....		3		20.....	60	10
	21.....		7		21.....	36	9
	22.....		4		22.....	45	7
	23.....		14		23.....	64	12
	24.....		29		24.....	13	2
	25.....		24		25.....	63	11
	26.....		18		26.....	19	2
	27.....		15		27.....	43	5
	28.....		6		28.....	27	3
	29.....		9		29.....	78	25
	30.....		9		30.....	130	22
	31.....		9		31.....	159	23
		105	—			2613	26
		31	—				
		25	—				
		13	—				

<i>Date.</i>	<i>Total estimated Motion of Air in Miles.</i>	<i>Greatest Velocity of Wind in Miles per Hour</i>	<i>Date.</i>	<i>Total estimated Motion of Air in Miles.</i>	<i>Greatest Velocity of Wind in Miles per Hour</i>
September 1	181	37	November 1	226	31
2	138	21	2	232	23
3	18	3	3	52	16
4	72	13	4	33	10
5	49	8	5	240	26
6	49	17	6	121	28
7	223	26	7	112	25
8	200	33	8	267	47
9	18	8	9	87	18
10	88	14	10	301	34
11	45	6	11	189	36
12	13	3	12	54	10
13	58	7	13	22	6
14	13	5	14	144	22
15	105	16	15	138	25
16	190	23	16	27	6
17	153	21	17	54	12
18	133	18	18	58	10
19	249	28	19	93	33
20	88	21	20	232	24
21	121	18	21	31	3
22	50	6	22	112	21
23	127	28	23	45	13
24	133	21	24	58	6
25	22	6	25	196	24
26	63	8	26	108	21
27	123	16	27	147	21
28	181	23	28	70	24
29	157	20	29	121	15
30	222	41	30	211	27
	3282	41		3781	47
October 1	289	47	December 1	40	14
2	118	26	2	69	11
3	87	20	3	22	5
4	18	2	4	99	15
5	130	22	5	84	14
6	322	35	6	27	5
7	252	32	7	115	30
8	204	23	8	60	22
9	207	28	9	93	21
10	165	28	10	27	5
11	88	20	11	214	22
12	27	6	12	160	21
13	31	10	13	48	13
14	177	25	14	124	21
15	157	19	15	159	23
16	165	20	16	267	28
17	196	41	17	109	14
18	165	13	18	22	3
19	97	18	19	153	22
20	195	26	20	195	27
21	124	17	21	178	23
22	49	13	22	40	5
23	87	15	23	192	24
24	108	54	24	265	28
25	186	21	25	313	35
26	294	40	26	247	25
27	331	30	27	189	24
28	226	42	28	49	5
29	264	40	29	100	13
30	324	30	30	195	29
31	405	39	31	219	24
	5488	54		4074	35

TABLE No. 19.

RAINFALL IN TASMANIA DURING THE YEAR 1890.

Station.	JANUARY.		FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.		JULY.		AUGUST.		SEPT.		OCTOBER.		NOVEMBER.		DECEMBER.		TOTAL.	
	Rainfall.	Wet Days.	Rainfall.	Wet Days.	Rainfall.	Wet Days.	Rainfall.	Wet Days.	Rainfall.	Wet Days.	Rainfall.	Wet Days.	Rainfall.	Wet Days.	Rainfall.	Wet Days.	Rainfall.	Wet Days.	Rainfall.	Wet Days.	Rainfall.	Wet Days.	Rainfall.	Wet Days.	Rainfall.	Wet Days.
South Bruni.....	Inches. 1.61	No. 10	Inches. 1.69	No. 9	Inches. 2.65	No. 18	Inches. 2.57	No. 19	Inches. 1.64	No. 15	Inches. 5.26	No. 20	Inches. 3.93	No. 7	Inches. 6.68	No. 26	Inches. 3.40	No. 17	Inches. 6.37	No. 31	Inches. 3.75	No. 18	Inches. 3.78	No. 22	Inches. 43.33	No. 212
Southport	1.39	9	2.32	6	2.93	15	2.05	13	1.18	10	7.42	20	3.63	17	4.52	21	5.40	18	6.78	26	4.65	18	3.44	21	45.71	194
Franklin	0.73	3	2.84	6	1.79	7	1.39	10	0.86	7	3.69	21	2.34	11	3.43	13	2.73	14	6.13	28	2.64	17	3.95	16	32.52	153
Mount Nelson.....	0.89	6	1.31	6	3.20	10	1.56	6	1.17	9	6.48	20	2.15	9	4.33	13	1.37	10	2.42	21	2.06	14	1.74	9	28.68	133
Clarence Plains.....	1.01	4	2.00	8	3.65	11	0.97	5	1.53	6	5.88	14	2.80	9	3.03	10	1.21	8	2.54	17	2.02	11	1.88	12	28.52	115
Hobart	0.74	6	2.43	10	2.56	11	1.52	7	1.09	10	5.37	24	2.67	12	3.59	17	1.48	17	2.63	27	1.92	17	1.51	15	27.51	173
Botanical Gardens, Hobart.....	0.69	5	2.62	6	2.88	9	1.66	6	1.16	7	5.58	22	2.02	8	3.30	12	0.90	7	2.39	23	1.33	12	1.46	11	25.99	128
Richmond	1.21	5	3.02	8	3.10	8	0.99	6	0.83	6	5.43	18	2.29	9	3.37	9	1.20	9	1.82	16	1.73	11	1.95	11	26.94	116
Cambridge	0.96	...	2.03	...	3.25	...	0.66	...	0.72	...	5.41	...	3.89	...	3.48	...	1.19	...	2.94	...	2.11	...	2.92	...	29.56	...
Carnarvon	1.15	7	4.18	10	6.04	11	2.06	10	2.27	12	6.68	16	2.95	15	5.99	16	2.99	14	6.34	21	3.26	13	3.44	14	47.35	159
Eaglehawk Neck.....	0.93	4	3.54	7	3.80	7	1.35	6	2.56	8	7.20	17	5.48	17	3.72	18	1.43	13	4.41	19	1.85	9	1.95	11	38.22	136
Swansea	2.51	3	4.97	6	5.55	10	0.72	6	2.34	5	14.24	17	4.36	11	1.52	13	0.70	4	4.64	8	2.01	7	1.23	3	44.79	93
Apslawn	0.29	5	6.34	8	5.17	14	0.77	5	3.53	5	12.14	18	5.34	12	1.82	7	0.97	2	4.41	9	3.27	8	0.94	4	45.04	97
New Norfolk	0.54	3	1.29	6	1.86	7	0.80	6	0.57	4	2.59	15	1.39	7	1.94	9	1.55	9	3.00	20	1.50	11	1.58	8	18.61	105
Bagdad	0.63	4	3.43	7	2.68	5	0.84	4	1.37	5	5.94	17	1.67	8	2.81	9	1.47	10	3.12	17	2.06	11	2.16	11	28.18	108
Hamilton	0.40	1	2.27	5	2.24	5	0.71	6	0.43	3	7.43	15	0.60	5	1.58	10	1.72	7	2.42	15	0.65	8	1.33	5	16.78	85
Bothwell.....	0.42	4	2.65	7	3.42	9	1.67	4	0.72	3	4.43	15	1.30	7	1.81	9	1.58	9	2.16	15	1.66	11	1.81	9	23.63	102
Dog's Head, Lake Sorell	0.82	3	6.58	7	4.98	9	1.66	5	2.95	8	13.81	17	2.99	7	6.11	10	2.87	8	4.08	10	3.33	8	1.89	4	52.07	96
The Great Lake.....	0.44	4	4.53	7	2.77	10	1.27	8	1.11	6	7.19	20	2.81	21	4.46	21	2.20	14	4.32	25	2.38	13	1.12	11	34.60	160
Oatlands	0.82	4	1.73	5	3.62	8	1.03	5	1.55	6	4.52	14	1.16	9	2.52	10	1.01	8	2.19	14	2.05	11	1.28	4	23.48	98
Ross	0.58	6	1.91	8	2.60	7	0.93	7	0.77	5	4.28	17	1.08	8	1.56	9	1.52	12	1.89	18	2.21	13	0.59	5	19.95	115
Campbell Town.....	0.40	3	2.10	8	2.46	5	1.70	6	1.20	5	4.15	10	1.45	4	2.04	11	2.00	9	2.74	14	...	...	...	...	...	...
Lake Leake	0.80	11	6.41	12	4.83	15	2.15	10	4.04	13	11.54	21	2.93	16	3.21	17	1.92	14	5.17	18	3.31	12	0.93	9	47.24	168
Avoca	0.23	5	2.55	6	3.40	9	1.29	10	1.43	5	5.75	20	2.85	9	1.77	12	1.52	9	3.19	17	2.14	15	1.02	9	27.14	126
Ormley, Avoca.....	0.14	2	2.60	4	3.52	7	0.94	6	1.85	5	9.76	16	2.31	7	1.75	11	1.89	7	4.61	14	2.35	10	1.07	5	32.79	94
Fingal	0.19	5	3.06	7	5.75	13	0.71	6	2.49	4	13.60	23	4.10	12	1.58	11	1.50	12	4.49	11	2.92	8	0.99	8	41.38	120
Killymoon, Fingal.....	0.12	3	6.26	6	7.37	12	0.91	9	3.20	9	13.52	23	6.68	17	1.47	13	1.03	13	5.11	13	3.82	15	0.91	8	50.40	141
Falmouth	0.14	1	4.18	7	6.49	12	1.33	9	2.32	5	11.05	19	4.54	9	1.56	10	1.47	10	4.84	10	6.57	10	0.93	6	45.42	108
St. Helen's	0.29	6	6.28	9	5.40	13	0.72	8	2.68	6	13.08	22	6.12	12	2.96	13	1.37	11	5.65	13	4.16	9	0.49	3	49.20	125
Mathinna	0.00	0	5.44	4	5.22	9	1.10	5	2.85	2	8.53	16	3.36	7	3.17	8	0.76	3	4.74	8	1.94	4	1.13	2	38.24	68
Gould's Country.....	0.60	4	7.55	6	8.34	10	2.02	7	4.08	8	12.09	22	6.94	11	5.47	12	2.70	12	7.77	16	5.71	9	0.98	7	64.25	124
Scottsdale	0.61	4	3.74	6	6.00	11	3.41	10	1.41	6	7.82	11	6.94	9	4.38	11	3.87	16	6.72	18	3.10	6	2.48	8	50.48	116
Branxholm.....	2.00	2	3.73	4	6.78	14	1.40	3	1.92	5	10.63	15	8.84	8	4.51	10	4.12	14	6.52	14	3.08	7	1.38	8	54.91	104
Boobyalla	0.78	3	3.02	3	3.83	8	...	...	...	...	5.42	11	2.79	11	2.08	8	1.43	7	4.49	14	2.48	8	1.59	8	...	...
Swan Island	0.78	3	1.92	4	3.28	11	1.34	8	1.31	5	6.41	20	2.52	15	3.99	13	1.85	12	5.66	16	1.96	7	1.48	10	32.50	124
Low Head	0.42	4	1.95	4	7.68	10	2.44	10	1.18	6	8.81	20	4.33	12	3.47	14	2.37	13	3.99	17	2.54	9	1.32	8	40.50	127
Windermere	0.60	3	4.30	7	3.96	8	3.11	8	1.17	5	7.26	19	5.01	9	4.29	17	3.25	12	4.57	20	2.04	8	0.89	7	40.45	123
Launceston.....	1.17	5	2.58	8	3.22	8	2.40	8	0.95	7	6.28	19	4.27	8	3.31	11	3.18	13	4.03	20	1.57	8	0.90	7	33.86	122
Longford.....	0.75	4	1.92	6	3.73	9	1.90	7	0.67	5	5.33	15	3.19	10	3.28	10	2.49	9	2.18	9	2.59	5	0.93	5	28.96	94
Deloraine	0.53	5	4.69	7	4.14	11	3.17	8	0.85	7	7.66	19	4.26	11	5.68	12	4.79	12	4.89	17	2.54	6	0.77	7	43.97	122
Latrobe	1.10	3	5.55	5	3.54	7	6.77	7	1.28	4	10.12	17	4.95	8	5.38	17	4.16	9	6.09	19	3.04	3	1.46	4	53.44	103
Ulverstone	0.63	7	4.92	11	5.33	11	4.13	11	1.44	10	10.51	23	6.86	14	5.74	18	5.27	18	7.00	24	3.48	15	1.10	13	56.41	175
Castra	1.02	5	4.15	9	6.53	10	3.53	10	1.50	7	9.42	20	5.45	14	6.78	14	7.44	17	7.13	18	3.83	13	2.10	15	58.88	152
Emu Bay	0.32	3	2.65	7	3.61	8	2.81	9	0.70	6	6.84	20	3.22	12	5.13	14	3.49	15	5.13	20	1.59	6	0.88	9	36.37	128
Waratah	2.20	7	4.00	7	3.16	9	3.91	11	1.48	8	6.92	12	6.03	13	9.90	15	13.34	19	13.79	23	5.76	14	5.96	14	76.45	152
Circular Head	0.57	5	2.18	9	2.94	10	2.13	12	1.12	9	4.95	23	5.79	15	4.45	20	5.47	19	5.94	26	2.39	16	1.07	15	39.00	179
Black River	0.63	3	2.89	6	4.12	10	2.79	11	1.41	7	5.54	26	5.89	12	5.30	17	6.28	17	8.69	23	2.41	14	1.55	14	47.50	150
Cape Grim.....	0.99	5	3.52	8	1.18	7	3.65	14	1.30	8	4.38	16	6.27	15	5.10	21	6.34	21	6.62	28	2.01	18	1.82	16	43.18	177</

TABLE No. 20.
RAINFALL AT LIGHTHOUSES, 1890.

STATIONS.	JANUARY.		FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.		JULY.		AUGUST.		SEPT.		OCTOBER.		NOVEMBER.		DECEMBER.		TOTAL.	
	Rain.	Days.	Rain.	Days.	Rain.	Days.	Rain.	Days.	Rain.	Days.	Rain.	Days.	Rain.	Days.	Rain.	Days.	Rain.	Days.	Rain.	Days.	Rain.	Days.	Rain.	Days.	Rain.	Days.
	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.	No.
South Bruny	1·61	10	1·69	9	2·65	18	2·57	19	1·64	15	5·26	20	3·93	17	6·68	26	3·40	17	6·37	31	3·75	18	3·78	22	43·93	222
Swan Island	0·78	3	1·92	4	3·28	11	1·34	8	1·31	5	6·41	20	2·52	15	3·99	13	1·85	12	5·66	16	1·96	7	1·48	10	32·50	124
Goose Island	0·51	3	1·42	7	4·07	10	1·26	7	1·13	6	4·17	19	1·76	12	3·15	11	2·04	13	5·08	18	0·80	8	1·30	10	26·69	124
Kent's Group.....	0·34	2	1·55	4	2·08	9	1·04	8	1·84	8	3·47	15	1·46	11	3·27	17	2·68	18	3·89	19	2·72	9	1·35	9	25·69	129
King's Island.....	3·31	2	0·49	3	1·99	6	0·78	7	1·79	8	2·02	9	3·36	14	5·01	13	2·49	12	3·93	23	1·93	10	0·52	8	27·62	115

TABLE No. 21.

SHOWING THE MEAN, MEAN MAX. AND MIN. TEMPERATURE AT DIFFERENT STATIONS FROM 1884 TO 1889.

YEAR.	SOUTHPORT.			HOBART.			OATLANDS.			FALMOUTH.			LAUNCESTON.			LOW HEAD.			CIRCULAR HEAD.		
	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.
1884	56·0	60·0	42·0	54·2	61·8	45·6	52·3	60·2	36·0	55·0	62·2	44·9	55·5	64·5	43·8	56·1	61·9	47·9	55·4	60·7	47·8
1885	55·9	60·3	42·7	54·6	61·4	45·7	52·3	60·9	39·3	54·4	62·6	44·2	55·9	64·5	43·6	55·8	60·3	47·4	55·1	61·2	46·9
1886	56·4	60·7	42·6	54·4	61·6	45·4	51·9	61·0	39·0	54·4	61·3	44·7	55·6	64·2	43·7	55·6	61·4	47·4	55·2	61·0	47·5
1887	57·1	61·3	42·7	55·2	62·7	45·9	53·0	59·5	40·8	54·6	60·2	45·6	56·8	65·5	44·6	56·5	62·1	48·0	55·6	60·4	49·9
1888	55·0	60·6	41·6	54·4	62·2	44·9	51·8	60·4	39·7	55·1	61·4	44·0	56·6	65·7	43·2	55·8	61·6	46·9	55·0	60·3	47·3
1889	56·4	62·0	43·3	55·1	62·2	46·6	51·5	59·8	38·8	55·5	62·1	45·7	57·1	65·9	45·8	56·8	62·3	49·0	56·2	60·8	48·9
Mean.....	56·15	60·8	42·5	54·65	62·0	45·7	52·13	60·3	39·0	54·83	61·6	44·85	56·25	65·05	44·1	56·1	61·6	47·8	55·4	60·73	48·05