

(No. 48.)



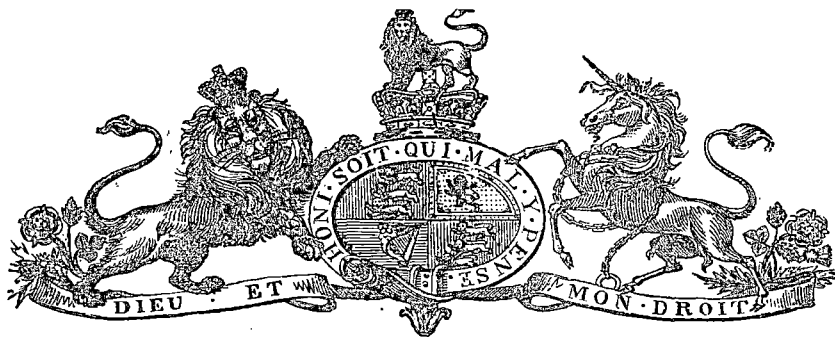
1890.

PARLIAMENT OF TASMANIA.

METEOROLOGICAL DEPARTMENT:

REPORT FOR 1889.

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



REPORT of the Meteorological Observer for the Year 1889.

SIR,

I HAVE the honor to place before you the Annual Report of the Meteorological Department for the year 1889, with Tables of Observations and Results.

The Stations recording have been nine; but I am unable to tabulate the Waratah Observations. Through illness and change of Observers, they are incomplete.

Observers have rendered me every assistance, by careful attention to their duties.

The Rainfall for the year is greatly in excess of the average of previous years in the Eastern Districts.

There is an addition of Table 21, showing the Mean and Mean Maximum and Minimum Temperatures at the different Stations for the previous six years.

I have the honor to be,
Sir,

Your obedient Servant,

J. SHORTT, *Meteorological Observer.*

The Hon. the Treasurer.

PHENOMENA in 1889.

JANUARY.—*Hobart.*—The varied temperature during the month produced frequent thunderstorms in different parts of the Colony; but the mean, 63·3 deg., at Hobart, averaged previous January records.

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

Southport.—Thunderstorm on the 26th.

Swansea.—Rain on the 3rd, 0·90 in.; 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.

Ormley (Avoca).—Thunder on the 4th, 12th, and 14th.

Falmouth.—Thunderstorm on the 14th; rain on the 14th, 1·75 in.

Swan Island.—Thunder on the 1st and 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.

FEBRUARY.—*Hobart.*—Severe thunderstorm with heavy rain north of Bridgewater, on the 4th; N.W. gales on the 13th and 24th; lightning on the 26th; low barometer from the 24th to 28th, with northerly winds.

South Bruni.—Gales from S.W. on the 7th and 28th; and N.W. on the 24th.

New Norfolk.—Rain on the 5th, 2·11 in.

Hamilton.—Rain on the 5th, 1·70 in.

Victoria Valley.—Thunder and lightning on the 4th; sharp frost on the 19th.

Campbell Town.—Thunder on the 4th and 22nd.

Launceston.—N.W. gale on the 24th; thunderstorm on the 26th.
Low Head.—Westerly gales on the 24th and 27th.
Circular Head.—Lightning on the 3rd, 4th, 20th, and 27th; thunder on the 10th and 24th; lunar halos on the 12th, 14th, and 16th.
Corinna.—Thunderstorm on the 27th.
Castra.—Thunder and lightning on the 4th, 12th, 24th, and 27th.

MARCH.—*Hobart*.—Unsettled stormy weather from the westward from the 4th to the 8th, with a low barometer, the lowest depression occurring on the 8th, 28·960 in.; 11th, 29·681 in.; 16th, 29·599, for hot and sultry weather, with strong north winds, falling on the 21st to 29·578 in., for westerly winds; fine weather, with the barometer above 30 in. on the last 9 days of the month; thunder on the 16th; rainfall, excepting Southport and West Coast, very slight.

Victoria Valley.—Thunder and lightning on the 16th; 4 sharp frosts.
Lake Sorell.—Dense fogs on the 21st, 28th, and 29th; 9 frosts; stormy from N.W. on the 5th, 7th, and 8th.

Ormley (Avoca).—2 frosts and 5 fogs.

Low Head.—Westerly gales, with a high sea, on the 7th and 8th; lightning on the 16th.

Circular Head.—Thunder and lightning on the 16th; hail on the 19th.

Swan Island.—Thunder on the 6th and 21st.

APRIL.—*Hobart*.—There was a general break-up of the dry season throughout the Colony on the 6th and 7th, the heaviest rain falling in the Southern and Eastern Districts, wind southerly, with a low atmospheric pressure; frost on the 28th; lightning on the 3rd and 18th; rain on the 7th, 1·57 in.

South Bruni.—Gales from the westward on the 9th, 25th, and 28th; rain on the 7th, 2·45 in.

Southport.—Rain on the 7th, 4·55 in.; 8th, 1·78 in.; thunder on the 17th.

Mount Nelson.—Rain on the 7th, 2·69 in.

Carnarvon.—Rain on the 7th, 4·56 in.

Lake Sorell.—Five fogs and three frosts.

Avoca.—Three fogs and two frosts.

Ormley (Avoca).—Thunder on the 8th; 4 fogs; remarkably fine weather, warm rains, absence of cold winds and frosts, feed for stock abundant.

Killymoon (Fingal).—Unusually mild during the month, very little wind, great growth of grass, only one slight frost.

Gould's Country.—More rain fell in April than in the previous three months.

Launceston.—Frost on the 28th; 2 fogs.

Castra.—Thunderstorm on the 3rd; frost on the 10th.

Circular Head.—Brilliant meteor at 6·45 P.M., on the 10th, in the S.W. with loud report.

Corinna.—Thunder on the 2nd; frost on the 28th.

MAY.—*Hobart*.—A higher temperature for the month than previous 7 years, though nearly approaching that of 1885. Rainfall was small, excepting in the Northern and Western Districts, heavy rain falling on the 9th and 10th; wind generally light; 2 frosts and 6 fogs; snow fell heavily on Mount Wellington on the 22nd. Earth tremor 9·2 A.M. on the 24th.

South Bruni.—West gale on the 4th; S.W. on the 22nd; earth tremor 9 P.M. on the 24th, with rumbling sounds and violent trembling in the tower of lighthouse and buildings.

Southport.—Earth tremor 9 P.M. on the 24th; also felt at Lady's Bay, Hastings, Recherche, and Pearson's Point.

Kellevie.—On the 18th, at 12·30 A.M., a splendid meteor was observed for one minute, travelling from N.W. to S.E.

Eagle Hawk Neck.—Earth tremor 9 P.M. on the 24th.

Dog's Head (Lake Sorell).—14 frosts; light fall of snow on the 24th.

Ormley (Avoca).—Snow on the mountains on the 21st; 2 frosts and 4 fogs.

Killymoon (Fingal).—Exceedingly mild weather during the month.

Launceston.—4 fogs and 4 frosts; mean temperature 1·8 deg. above the average of 6 years.

Deloraine.—Rain on the 9th, 1·47 in.; 21st, 1·20 in.

Latrobe.—Rain on the 9th, 1·20 in.; 21st, 1·90 in.

Ulverstone.—Rain on the 9th, 1·33 in.; 21st, 2·50 in.

Castra.—Rain on the 9th, 2·63 in.; 21st, 2·02 in.; 5 frosts.

Circular Head.—Thunder on the 11th and 12th; aurora on the 26th; easterly winds latter part of month.

Corinna.—Thunder on the 11th; fogs on the 26th, 28th, and 30th.

JUNE.—*Hobart*.—Stormy weather from the westward on the 8th and 9th; the lowest depression of the barometer 9 P.M. on the 7th, 29·107 in.; snow fell heavily on Mount Wellington on the 8th, 23rd, and 24th; heavy rain on the 13th, 4·11 in. falling in 24 hours. South to S.W. gales 13th and 14th; sharp frosts 23rd, 27th, and 28th; thick fogs on the 5th, 6th, 16th, and 26th; several foggy nights and hoar frosts during the month.

The rainfall in most parts of the Colony was very heavy, bringing the total rainfall to 30th June greatly in excess of previous years. Floods in the Macquarie and South Esk Rivers in the first week. Heavy rain set in on the 12th in the Northern Districts, wind northerly, changing to South and S.W. For the three days, 12th, 13th, and 14th, 6½ in. of rain fell in Hobart. The River Derwent rose higher than it had done for years, and most of the rivers rose and overflowed their banks, causing great damage to bridges, crops, &c. It was the heaviest known downpour of rain in the Southern and Eastern Districts.

South Bruni.—Gales from S.E. on the 13th, S.S.W. 14th, S.W. 15th and 24th; rain on the 13th, 2·65 in.

Southport.—Rain on the 13th, 2·55 in.
Mount Nelson.—Rain on the 13th, 4·58 in. ; 14th, 1·30 in.
Botanical Gardens (Hobart).—Rain on the 13th, 4·68 in.
Kellevie.—Rain for 3 days, 12th to 14th, 8·22 in.
Carnarvon.—Rain for 4 days, 12th to 15th, 7·36 in.
Eaglehawk Neck.—Rain for 4 days, 12th to 15th, 9·47 in.
Swansea.—Rain for 3 days, 12th to 14th, 8·65 in.
New Norfolk.—Rain on the 13th, 4·22 in.
Bothwell.—Rain on the 12th and 13th, 4·04 in.
Dog's Head (Lake Sorell).—Rain, 12th to 14th, 7·33 in., from S.W. ; snow on the 10th, 4 in. deep ; light fall of snow on the 8th, 9th, and 24th ; 7 frosts ; gale from N.W. on the 28th and 29th.
Oatlands.—Rain, 12th to 14th, 6·17 in. ; S.W. gale on the 13th.
Ormley (Avoca).—Weather like spring, abundance of feed, and forward vegetation.
Killymoon (Fingal).—The heaviest rainfall remembered to fall in one month, strong S.W. gale on the 13th ; the weather, though especially wet, has been extremely mild, with vegetation growing like spring, and scarcely any frost.
Launceston.—Rain on the 13th, 1·90 in. ; sharp frost on the 25th.
Deloraine.—Rain on the 2nd, 1·63 in. ; 3rd, 1·03 in. ; 13th, 2·37 in.
Latrobe.—Rain on the 2nd, 2·42 in. ; 8th, 1·35 in. ; 13th, 1·36 in.
Castra.—Rain on the 2nd, 3·50 in. ; 7th, 1·46 in. ; 13th, 2·22 in. ; 29th, 1·73 in. ; thunder and lightning on the 7th ; 7 frosts.
Waratah.—Rain on the 2nd, 1·30 in. ; 7th, 1·12 in. ; 13th, 1·85 in. ; 29th, 1·05 in.
Circular Head.—Thunder and lightning on the 7th ; hail on the 20th ; rain on the 2nd, 1·65 in. ; 13th, 1·10 in. ; 18th, 1·08 in.
Corinna.—Rain on the 13th, 1·33 in. ; 29th, 1·58 in.

JULY—*Hobart*.—The chief characteristics of the month were its mildness for the time of the year, and the absence of strong winds. Heavy rain from south on the 1st ; snow fell heavily on Mount Wellington on the 9th and 14th, and light fall on the 24th ; sharp frosts on the 16th and 25th ; thick fogs on the 6th and 20th ; 3 brilliant meteors were observed in the middle of the month ; Aurora Australis on the 17th.

South Bruni.—S.W. gale on the 14th.
Carnarvon.—9 frosts ; aurora on the 17th.
Bushy Park (Glenora).—Sharp frost on the 16th ; lowest shade temperature, 28 deg.
Dog's Head (Lake Sorell).—19 frosts, sharp on the 16th ; lake freezing, and snowing on the 14th, 15th, and 24th ; hail on the 24th ; thick fogs on the 11th and 12th.
Ormley (Avoca).—Fine weather during the month, with occasional light frosts and fogs.
Killymoon (Fingal).—Weather remarkably mild for the season, with very little wind.
Falmouth.—Sharp frost on the 16th.
Gould's Country.—Slight earth tremor 6 P.M. on 29th.
Launceston.—Foggy on 9 days ; 3 frosts.
Low Head.—9 fogs ; dense fogs on 4th, 5th, 23rd, and 30th ; only 3 days of rough sea.
Castra.—11 frosts.
Waratah.—4 fogs and 2 frosts.
Circular Head.—2 frosts ; lightning on the 27th and 28th ; aurora on the 17th.
Corinna.—Thunder on the 8th ; 5 fogs and 3 frosts.

AUGUST—*Hobart*.—Snowing on Mount Wellington on the 1st, 12th, 21st, 22nd, and 31st ; sharp frosts on the 2nd, 3rd, 4th, 5th, and 17th ; thick fog on the 6th ; lunar halos, prismatic, on the 6th, 8th, and 9th ; maximum temperature in the shade on the 22nd only 44·7 deg.,—the lowest during the winter.

South Bruni.—Gales from S.W. on the 12th, 13th, 22nd, and 23rd ; hail, 22nd.
Southport.—Hail on the 13th ; snowing on the 22nd.
Carnarvon.—Sharp frosts on the 3rd, 4th, and 18th ; hail on the 13th, 22nd, and 23rd.
Dog's Head (Lake Sorell).—Snowing on the 12th, 13th, 30th, and 31st ; snow 6 in. deep on the 13th ; 13 frosts ; strong N. and S.W. winds during the month, very cold in the latter part.
Oatlands.—Snowing on the 13th and 22nd ; foggy on 6 days.
Avoca.—Hail on the 10th ; 8 frosts and 3 fogs.
Ormley (Avoca).—Weather fine for growth, with light frosts and fogs ; absence of wind, and warm rains.

Killymoon (Fingal).—More frost during the latter half of the month than during the whole of the winter ; none very severe.

Gould's Country.—Rain on the 7th, 1·30 in. ; 8th, 1·88 in. ; 21st, 1·15 in. ; 30th, 1·18 in.
Deloraine.—Rain on the 8th, 1·02 in. ; 9th, 1·06 in. ; 21st, 1·03 in. ; 30th, 1·18 in.
Castra.—Thunder and lightning on the 8th ; light fall of snow on the 22nd ; 2 frosts ; rain on the 8th, 1·22 in. ; 9th, 1·09 in. ; 30th, 2·26 in.
Circular Head.—Light fall of snow on the 22nd ; thunder and lightning on the 30th ; rain on the 30th, 0·75 in.
Corinna.—Rain on the 1st, 1·21 in. ; 4 frosts.

SEPTEMBER—*Hobart*.—Snowing on Mount Wellington on the 1st, 9th, 10th, 16th, and 18th ; sharp frosts on the nights of 2nd, 3rd, 4th, 11th, and 19th ; N.W. gale on the 7th ; hail on the 18th.

South Bruni.—S.W. gales on the 1st, 16th, and 30th ; N.W. on the 7th ; thunder and lightning on the 28th.

Southport.—Hailstorms on the 1st and 10th ; thunder on the 28th.
Dog's Head (Lake Sorell).—7 frosts ; heavy fall of snow on the 10th ; snow 7 in. deep on the 11th.

Avoca.—4 frosts and 2 fogs.
Killymoon (Fingal).—Very moist and quiet month; no equinoctial gales, vegetation growing very rapidly.

Scottsdale.—Heavy hail and thunderstorm on the 28th.

Launceston.—Thunderstorm on the 28th; 2 frosts.

Circular Head.—Thunder and lightning with fierce N.W. squalls on the 28th; 4 frosts.

Corinna.—Thunderstorm on the 28th; hail on the 10th and 28th.

OCTOBER.—*Hobart*.—Thunderstorms were frequent in the early part of the month, with splendid rains throughout the Colony; heavy fall of snow on Mount Wellington night of 6th; westerly gale on the 8th; very severe frost morning of the 12th—temperature in the shade from 3 to 5 A.M., 32 deg., and on the grass 25 deg.—lowest record during the year—doing great damage to potato crops and stone fruit; hail on the 11th; thunder, 14th; frost, 19th; heavy rain fell on the 31st, creating floods in the Macquarie, Clyde, South Esk, and St. Paul's Rivers. Earth tremor at Circular Head and Rocky Cape, 1.50 A.M. on the 8th.

Southport.—Thunder and lightning on the 4th; hail on the 11th.

Swansea.—Rain on the 28th, 2.16 in.

Hamilton.—Fine season, grass crops looking well, but peaches and apricots cut off by a severe frost on the 12th.

Dog's Head (Lake Sorell).—Thunder and lightning on the 3rd, 4th, 6th, 7th, and 14th; hail on the 6th; heavy fall of snow on 31st; 4 slight frosts.

The Great Lake.—Heavy fall of snow on the 31st, snow on the ground 12 inches deep.

Avoca.—Thunder on the 3rd; rain on the 27th, 1.48 in.; 31st, 1.95 in.

Ormley (Avoca).—Fine growing weather throughout the month, with absence of frosts and cold winds; rain on the 31st, 2.67 in.

Launceston.—Severe thunderstorm on the 4th.

Latrobe.—Terrific thunderstorm on the 4th, the lightning very vivid from 6.30 to 8 P.M.; many trees in the district struck by lightning.

Waratah.—Thunder and lightning on the 4th; rain on the 16th, 1.43 in.; 26th, 1.38 in.

Circular Head.—Thunderstorms on the 4th and 15th; hail on the 4th; rain on the 16th, 1.31 in.; 26th, 1.05 in.

Corinna.—Thunderstorm on the 4th.

NOVEMBER.—*Hobart*.—Lunar halos on the 3rd and 30th; lightning, 9th; hail, 10th; very hot and boisterous from north on the 20th; maximum temperature in the shade, 96.3 deg., the preceding and following days registering 30 degrees lower; previous high temperature, November, 1888, 98 deg.

The rainfall for the month was very excessive in the Eastern Districts. Floods occurred on the 1st in the South Esk and St. Paul's Rivers, the Main Line of Railway and the Fingal Line being submerged during the day. South Esk at Avoca rose 14 feet above summer level; the Macquarie and Clyde Rivers also rose very high; slight flood in the South Esk on the 18th. Heavy and continuous rains set in on the 26th, with easterly weather, creating the heaviest floods known in all the rivers in the Eastern Districts. A number of bridges were washed away. The Main Line of Railway (at Clarendon) and Fingal Line suffered considerably, causing suspension of traffic for a few days. South Esk at Avoca rose 24 feet above summer level, and the bridge over South Esk was entirely washed away. The bridge at Clarendon was covered with water, no part of it being visible. All places in this vicinity would have suffered more than they did—as the rainfall was so great and fell in such a small space of time in the Eastern Districts, flooded the rivers so suddenly—but, fortunately, there was no northerly wind to back up the waters in the River Tamar, so there was a free escape of the flood waters to the sea.

Mount Nelson.—Thick fog on the 18th; on the 20th a brilliant meteor observed 30 degrees above the horizon in the S.W., travelling N.E., and burst about 40 degrees above the horizon.

Kelleve.—Rain on the 1st, 1.46 in.; 27th, 1.71 in., and 28th, 2.92 in.; easterly gales on the 27th and 28th.

Swansea.—Rain on the 1st, 2.51 in.; 11th, 1.51 in.; 27th, 1.30 in.; 28th, 3.82 in.

Bothwell.—Rain on the 1st, 2.18 in.; 29th, 1.54 in.

Dog's Head (Lake Sorell).—Thunder on the 2nd, 9th, 10th, and 15th; thick fog on the 16th; rain on the 1st, 1.81 in.; 27th, 1.67 in.

Avoca.—Rain on the 27th, 2 in.

Ormley (Avoca).—Rain on the 27th, 3.26 in. The excess of rain on the 26th and 27th laid the heavy crops of grain and grass, ending on the 28th with the heaviest flood since 1852, causing great destruction to orchards and bridges.

Killymoon (Fingal).—Mr. Ransom considered the month's rainfall to be the greatest fall in one month during his 50 years' residence; rainfall 27th, 3 in.; 28th, 4.01 in. The Break o' Day River was higher in flood on the 28th by 3 feet than ever known before, doing enormous damage.

Falmouth.—Fresh easterly winds on the 26th and 27th, with heavy rainfall for the two days, 7.18 in.

Mathinna.—Rain on the 26th, 2.20 in.; 27th, 3.55 in.

Gould's Country.—Heavy rainfall for the month—on the 1st, 1.84 in.; 17th, 1.84 in.; 18th, 2.16 in.; 27th, 5.07 in.; 28th, 5.84 in.

Launceston.—Hail and thunderstorm on the 10th.

Latrobe.—Rain on the 4th, 1.41 in.; 18th, 1.65 in.; 27th, 0.97 in.

Waratah.—Rain on the 3rd, 1.02 in.; 10th, 1.04 in.

Circular Head.—Thunderstorm on the 9th; rain on the 10th, 0.82 in.

Corinna.—Hail on the 10th; rain on the 10th, 0.91 in.

DECEMBER.—*Hobart*.—The barometer, mean, 29.683 in., was very low for the month, only 10 readings above 30 inches. Four low pressures occurred—on the 1st, 29.293 in.; 15th, 29.200 in.; 20th, 29.200 in.; and 26th, 29.280 in. Light fall of snow on Mount Wellington on the 16th; very severe thunderstorm and

vivid lightning on the 20th, accompanied by hailstorms with heavy rain; 1·17 in. of rain fell between 9 A.M. and 7 P.M. Gales from W.S.W. on the 16th, and N.W. on the 26th. Earth tremor at Gould's Country on the 7th, at 8·15 P.M., and at George's Bay 8·13 P.M., accompanied by rumbling sounds—direction, E. to W.

South Bruni.—Gales from S.W. on the 16th and 29th, and W.N.W. on the 27th; hail on the 16th; no heavy rain, but rain fell on 26 days.

Franklin.—Thunder on the 12th, 16th, and 20th.

Ormley (Avoca).—Thunder on the 3rd, 19th, and 28th.

Killymoon (Fingal).—Beautiful mild and growing weather during the month, with grass at the end of the month as green as in spring.

Falmouth.—Thunder on the 3rd, 5th, and 19th; rain on the 19th, 1·68 in.

Latrobe.—Very severe thunderstorm from midnight to 6 A.M., on the 20th; hail on the 20th.

Castra.—Heavy thunderstorm, with hail and rain, on the 20th; rain on the 20th, 2·04 in.

Circular Head.—Severe thunderstorm and incessant lightning night of 19th, accompanied by hail as large as marbles; thunder on the 20th; lunar halos on the 3rd and 4th.

Corinna.—Thunder on the 6th and 19th.

Strahan.—Thunderstorms on the 6th, 19th, and 23rd; hail on the 28th.

SCHEDULE of Returns furnished with this 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 1889.
 5. Minimum ditto.
 6. Mean ditto.
 7. Maximum Temperature of Air ditto.
 8. Minimum ditto.
 9. Mean ditto.
 10. Mean Temperature of Dew Point ditto.
 11. Mean Pressure of Vapour ditto.
 12. Mean Relative Humidity ditto.
 13. Mean and Extreme Results for the year 1889, from Observations taken at Hobart.
 14. Maximum Temperature of Air in Shade at Hobart for each day of the year 1889.
 15. Minimum ditto.
 16. Summary of Direction of Wind at Hobart during 1889.
 17. Hours of Sunshine at Hobart ditto.
 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.
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TABLE No. 1.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT HOBART FOR 1889.

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.
1889.	Mean.	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.
	Inches.	°	°	°	°	°	°	°	°	°			Inches.			(0-12)	(0-10.)
January	29·875	91·5	71·5	44·0	53·9	17·6	63·3	148·0	40·2	53·3	·408	0·70	2·36	13	W.N.W., N.E., & S.E.	2·3	6·3
February	29·854	95·0	70·6	44·7	52·6	18·0	62·5	143·0	38·0	51·9	·386	0·68	1·57	12	N.W. & S.S.E.	2·7	7·5
March	29·991	89·0	69·0	42·2	49·5	19·5	60·1	141·0	38·0	48·8	·345	0·66	0·72	12	N.W. & S.E.	2·5	5·6
April	30·043	77·7	64·1	36·8	49·2	14·9	57·3	131·0	32·0	50·3	·365	0·78	2·78	14	N.W. & S.	2·2	7·1
May	30·100	72·0	58·8	36·2	45·2	13·6	52·6	128·0	31·6	46·6	·318	0·80	0·96	15	N.N.W. & S.S.W.	1·6	7·0
June	29·698	60·0	53·3	33·8	42·9	10·4	48·4	117·0	29·0	45·7	·307	0·90	8·15	21	N.N.W. & S.S.W.	1·9	7·5
July	30·136	60·3	54·2	33·5	39·0	15·2	47·3	112·0	28·0	42·5	·272	0·83	1·99	7	N.N.W. & S.S.W.	2·0	5·6
August	29·976	66·8	56·0	32·2	39·8	16·2	48·4	118·0	27·3	42·1	·268	0·79	0·96	13	N.N.W. & S.S.W.	2·1	6·0
September	29·880	70·2	57·8	33·7	40·0	17·8	49·9	133·0	28·5	41·8	·265	0·74	1·13	16	N.N.W. & S.S.W.	2·6	6·1
October	29·898	79·7	62·1	32·0	46·0	16·1	54·8	138·0	25·0	47·7	·331	0·77	2·58	20	N.N.W. & S.	2·7	7·9
November	29·918	96·3	64·9	39·2	48·9	16·0	56·9	145·0	35·4	50·2	·364	0·78	4·11	17	N.N.W. & S.S.E.	2·4	7·9
December	29·683	86·8	68·0	44·0	52·4	15·6	60·1	145·0	35·8	50·1	·362	0·70	3·49	20	N.N.W. & S.	2·5	7·2
MEAN AND TOTALS*.	29·921	..	62·5	..	46·6	15·9	55·1	..	..	47·6	·333	0·76	30·80	180	N.N.W. & S.	2·3	6·8
EXTREMES	..	Nov. 20 96·3	..	Oct. 12 32·0	..	..	..	Jan. 24 148	Oct. 12 25·0								

* Barometer mean should be 29·891 in., as height above sea level of barometer is 160 feet, and not 190 feet as previously corrected for.

No. 2.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT LAUNCESTON FOR 1889.

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 1889.	BARO- METER.	THERMOMETER IN THE SHADE.						RADIATION.		HUMIDITY.			RAIN.		PREVAILING WINDS.		CLOUDS.
	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	29.887	89.0	78.5	45.4	55.5	23.0	67.9	146	40.1	53.6	.412	.60	3.19	12	N., W.N.W., & S.	3.0	4.0
February	29.867	91.0	78.2	44.6	57.8	20.4	67.8	141	41.8	51.1	.375	.56	0.72	5	N.W. & S.	3.3	3.7
March	30.032	83.6	73.6	36.5	47.4	26.2	62.7	133	32.5	48.9	.346	.61	0.77	8	N.N.W. & S.W.	2.5	3.5
April	30.069	75.5	66.9	33.0	48.0	18.9	58.9	126	30.8	53.5	.411	.83	2.24	10	N.N.W. & S.	1.8	4.9
May	30.127	66.2	60.2	31.0	41.4	18.8	52.4	120	28.5	47.3	.327	.83	2.51	9	N.N.W. & S.	1.8	4.8
June	29.703	63.0	54.9	29.0	41.3	13.6	49.3	109	27.0	45.2	.302	.86	5.84	17	N. & S.	1.8	6.1
July	30.169	60.9	54.4	28.0	34.4	20.0	45.6	107	26.1	43.1	.278	.91	0.97	5	N. & S.	1.3	4.6
August	30.020	62.2	57.3	31.2	37.7	19.6	43.1	118	30.0	43.3	.280	.83	3.74	12	N. & S.S.W	2.0	3.0
September	29.922	66.0	59.0	31.0	35.5	19.5	51.2	119	31.0	45.2	.302	.80	3.55	12	N. & S.	2.6	4.1
October	29.948	77.5	65.1	35.0	48.2	16.9	57.4	131	31.5	51.6	.383	.81	4.40	13	N. & S.	3.0	5.2
November	29.905	77.5	69.9	38.0	49.1	20.8	61.5	138	37.4	54.0	.418	.76	3.34	12	N.N.W. & S.	2.7	4.8
December	29.718	81.6	72.5	40.0	48.8	23.7	62.0	138	39.2	57.3	.470	.85	1.71	11	N.N.W. & S.S.E.	2.3	3.8
MEAN	29.947	..	65.9	..	45.8	20.1	57.1	..	..	49.5	.359	.77	2.75	10.5	N.N.W. & S.	2.3	4.4
EXTREMES	..	Feb. 22 91.0	..	July 11 28.0	..	..	..	Jan. 1. 146	July 11 26.1	..	..	..	Total, 32.98	Total, 126.			

TABLE No. 3.

EPITOME OF RESULTS OF METEOROLOGICAL OBSERVATIONS AT THE VARIOUS STATIONS FOR THE YEAR 1889.

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	29-970	93-0	62-0	30-0	43-3	18-7	56-45	...	...	50-9	377	0-77	50-36	187	N.E., W., & S.	3-3	5-8
Hobart	29-891	96-3	62-2	32-0	46-6	15-6	55-1	148	25	47-6	333	0-76	30-80	180	N.N.W. & S.	2-3	7-6
Oatlands	29-880	89-0	59-8	20-0	38-8	21-0	51-5	...	...	44-2	294	0-75	29-37	110	N. & S.W.	2-0	6-3
Falmouth	29-964	95-0	62-1	29-0	45-7	16-4	5-55	...	...	47-5	334	0-74	38-98	99	N.W., S.W., & E.S.E.	2-3	5-3
Launceston	29-956	91-0	65-9	28-0	45-8	20-1	57-1	146	26	49-5	359	0-77	32-98	126	N.N.W. & S.	2-3	4-4
Low Head	30-003	78-0	62-3	34-0	49-0	13-3	56-8	...	...	50-6	373	0-80	33-12	129	N., W., & E.S.E.	3-2	5-0
Circular Head	29-979	85-0	60-8	34-0	48-9	11-9	56-2	...	...	48-5	344	0-75	36-09	191	N.W., S.W., & E.	3-2	5-7
Corinna	29-947	93-0	62-1	32-0	46-4	15-7	54-3	...	...	...	...	...	72-96	217	W.N.W., N.E., & S.	2-2	6-1

TABLE No. 4.

MAXIMUM PRESSURE OF AIR AT DIFFERENT STATIONS FOR EACH MONTH OF THE YEAR 1889.

MONTHS.	SOUTHPORT. (South.)	HOBART. (South.)	OATLANDS. (Central.)	FALMOUTH. (East.)	LAUNCESTON. (North.)	LOW HEAD. (North.)	CIRCULAR HEAD. (North West.)	CORINNA. (West.)
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
January	30-379	30-340	30-362	30-408	30-349	30-395	30-340	30-328
February	30-314	30-310	30-269	30-400	30-312	30-333	30-287	30-260
March	30-518	30-422	30-374	30-496	30-443	30-514	30-448	30-446
April	30-501	30-444	30-394	30-466	30-483	30-523	30-530	30-517
May	30-702	30-600	30-488	30-590	30-603	30-644	30-625	30-666
June	30-350	30-263	30-193	30-281	30-281	30-294	30-283	30-286
July	30-533	30-475	30-414	30-574	30-554	30-575	30-536	30-537
August	30-746	30-686	30-611	30-713	30-727	30-741	30-663	30-669
September	30-416	30-345	30-279	30-360	30-381	30-383	30-387	30-392
October	30-377	30-342	30-271	30-448	30-375	30-426	30-333	30-318
November	30-300	30-215	30-185	30-372	30-247	30-298	30-246	30-235
December	30-175	30-065	30-032	30-138	30-131	30-158	30-103	30-081
MAXIMUM	30-746	30-686	30-611	30-713	30-727	30-741	30-663	30-669

TABLE No. 5.
MINIMUM PRESSURE OF AIR AT DIFFERENT STATIONS FOR EACH MONTH OF THE YEAR 1889.

MONTHS.	SOUTHPORT.	HOBART.	OATLANDS.	FALMOUTH.	LAUNCESTON.	LOW HEAD.	CIRCULAR HEAD.	CORINNA.
	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.
January	Inches. 29·352	Inches. 29·268	Inches. 29·355	Inches. 29·336	Inches. 29·391	Inches. 29·466	Inches. 29·511	Inches. 29·470
February	29·364	29·318	29·353	29·393	29·401	29·529	29·543	29·448
March	29·131	28·930	29·281	29·306	29·418	29·470	29·398	29·362
April	29·480	29·498	29·476	29·426	29·500	29·435	29·504	29·543
May	29·481	29·452	29·475	29·530	29·519	29·555	29·434	29·397
June	29·103	29·077	29·076	29·124	29·119	29·162	29·090	29·023
July	29·486	29·395	29·335	29·403	29·385	29·443	29·405	29·331
August	29·384	29·340	29·370	29·412	29·429	29·476	29·406	29·334
September	29·225	29·234	29·278	29·336	29·319	29·356	29·347	29·264
October	29·156	29·124	29·150	29·221	29·251	29·283	29·253	29·192
November	29·385	29·283	29·327	29·432	29·398	29·492	29·475	29·413
December	29·191	29·170	29·226	29·252	29·268	29·296	29·345	29·266
MINIMUM	29·103	28·930	29·076	29·124	29·119	29·162	29·090	29·023

TABLE No. 6.
BAROMETRIC RESULTS.
MEAN PRESSURE OF AIR AT DIFFERENT STATIONS FOR EACH MONTH OF THE YEAR 1889.

MONTH.	SOUTHPORT.	HOBART.	OATLANDS.	FALMOUTH.	LAUNCESTON.	LOW HEAD.	CIRCULAR HEAD.	CORINNA.
January	Inches. 29·900	Inches. 29·845	Inches. 29·864	Inches. 29·924	Inches. 29·887	Inches. 29·956	Inches. 29·930	Inches. 29·915
February	29·915	29·824	29·814	29·895	29·867	29·935	29·928	29·912
March	30·010	29·961	29·942	30·038	30·032	30·099	30·072	30·025
April	30·088	30·013	29·964	30·097	30·069	30·120	30·098	30·045
May	30·110	30·070	30·063	30·147	30·127	30·172	30·140	30·096
June	29·743	29·668	29·684	29·723	29·703	29·760	29·728	29·707
July	30·153	30·106	30·086	30·172	29·169	30·219	30·185	30·157
August	29·992	29·946	29·910	30·009	30·020	30·069	30·034	29·986
September	29·915	29·850	29·843	29·929	29·922	29·966	29·946	29·922
October	29·926	29·868	29·859	29·951	29·943	29·988	29·973	29·938
November	29·946	29·888	29·857	29·941	29·905	29·957	29·932	29·900
December	29·718	29·653	29·674	29·740	29·718	29·797	29·784	29·762
MEAN	29·951	29·891	29·880	29·964	29·947	30·003	29·979	29·947

TABLE No. 7.

THERMOMETRIC RESULTS.

MAXIMUM TEMPERATURE OF AIR AT DIFFERENT STATIONS FOR EACH MONTH OF THE YEAR 1889.

MONTHS.	SOUTHPORT.	HOBART.	OATLANDS.	CAMPBELL TOWN.	FINGAL.	FALMOUTH.	LAUNCESTON.	LOW HEAD.	CIRCULAR HEAD.	CORINNA.
January	89·0	91·5	89·0	94·0	87·0	82·0	89·0	78·0	85·0	93·0
February	90·0	95·0	86·0	90·0	81·0	95·0	91·0	78·0	77·0	86·0
March	78·0	89·0	81·0	82·0	79·0	88·0	83·6	72·0	70·0	85·0
April	73·0	77·7	70·0	72·0	68·0	75·0	75·5	70·0	67·0	75·0
May	76·0	72·0	67·0	65·0	65·0	75·0	66·2	66·0	65·0	65·0
June	60·0	60·0	60·0	59·0	58·0	60·0	63·0	61·0	61·0	63·0
July	63·0	60·3	60·0	55·0	...	62·0	60·9	61·0	59·0	57·0
August	68·0	66·8	67·0	68·0	59·0	60·0	62·2	60·0	58·0	60·0
September	68·0	70·2	78·0	63·0	65·0	70·0	66·0	66·0	62·0	65·0
October	81·0	79·7	75·0	73·5	73·0	73·0	77·5	65·0	66·0	75·0
November	93·0	96·3	80·0	78·0	78·0	80·0	77·5	72·0	71·0	81·0
December	87·0	86·8	85·0	85·0	83·0	90·0	81·6	72·0	70·0	82·0
MAX.	93·0	96·3	89·0	94·0	87·0	95·0	91·0	78·0	85·0	93·0

TABLE No. 8.

MINIMUM TEMPERATURE OF AIR AT DIFFERENT STATIONS FOR EACH MONTH OF THE YEAR 1889.

MONTHS.	SOUTHPORT.	HOBART.	OATLANDS.	CAMPBELL TOWN.	FINGAL.	FALMOUTH.	LAUNCESTON.	LOW HEAD.	CIRCULAR HEAD.	CORINNA.
January	35·0	44·0	31·0	38·0	41·0	43·0	45·4	46·0	42·0	41·0
February	39·0	44·7	32·0	39·0	43·0	45·0	44·6	48·0	48·0	43·0
March	35·0	42·2	28·0	31·0	33·0	35·0	36·5	46·5	43·0	44·0
April	38·0	36·8	30·0	30·0	34·0	32·0	33·0	39·0	39·0	38·0
May	30·0	36·2	20·0	25·0	35·0	35·0	31·0	38·0	37·0	34·0
June	30·0	33·8	23·0	27·0	34·0	33·0	29·0	34·8	38·0	35·0
July	30·0	33·5	25·0	25·0	...	29·0	28·0	35·0	36·0	35·0
August	30·0	32·2	24·0	24·0	31·0	32·0	31·2	35·5	35·0	32·0
September	30·0	33·7	22·0	25·0	32·0	33·0	31·0	34·0	34·0	34·0
October	30·0	32·0	28·0	30·0	38·0	33·0	35·0	39·0	37·0	36·0
November	37·0	39·2	32·0	33·0	41·0	40·0	38·1	41·0	38·0	39·0
December	37·0	44·0	36·0	35·0	43·0	38·0	40·0	46·5	44·0	40·0
MIN.	30·0	32·0	20·0	24·0	31·0	29·0	28·0	34·0	34·0	32·0

TABLE No. 9.
MEAN TEMPERATURE OF AIR AT DIFFERENT STATIONS FOR EACH MONTH OF THE YEAR 1889.

MONTHS.	SOUTHPORT.	HOBART.	OATLANDS.	CAMPBELL TOWN.	FINGAL.	FALMOUTH.	LAUNCESTON.	LOW HEAD.	CIRCULAR HEAD.	CORINNA.
	°	°	°	°	°	°	°	°	°	°
January	63·6	63·3	61·3	64·3	63·0	62·4	67·9	64·2	63·8	62·8
February	62·8	62·5	59·5	62·7	62·0	63·5	67·8	65·2	63·2	61·2
March	58·8	60·1	56·3	56·6	58·8	60·5	62·7	61·0	59·8	57·8
April	58·1	57·3	54·0	52·8	55·0	58·3	58·9	59·1	57·9	56·0
May	54·1	52·6	47·4	46·3	48·7	53·2	52·4	53·8	53·9	50·2
June	48·9	48·4	44·6	44·7	47·3	48·7	49·3	51·6	51·3	49·7
July	49·8	47·3	42·3	39·7	..	46·6	45·6	48·9	50·1	47·2
August	50·6	48·4	43·5	45·6	44·7	48·7	48·1	50·3	49·6	46·9
September	52·4	49·9	45·8	45·3	48·7	51·1	51·2	51·9	51·1	48·6
October	56·5	54·8	52·4	5·19	54·9	55·5	57·4	56·1	55·3	54·7
November	59·9	56·9	54·2	54·2	57·9	57·2	61·5	59·3	58·5	58·0
December	61·9	60·1	56·5	58·0	59·4	60·8	62·0	60·5	59·6	57·9
MEAN	56·45	55·13	51·5	51·84	..	55·54	57·07	56·82	56·2	54·25

TABLE No. 10.
MEAN TEMPERATURE OF DEW POINT AT DIFFERENT STATIONS FOR EACH MONTH OF THE YEAR 1889.

MONTHS.	SOUTHPORT.	HOBART.	OATLANDS.	FALMOUTH.	LAUNCESTON.	LOW HEAD.	CIRCULAR HEAD.
	°	°	°	°	°	°	°
January	54·6	53·3	51·2	53·6	53·6	56·0	55·6
February	55·5	51·9	51·8	54·0	51·1	55·8	54·1
March	53·6	48·8	45·8	50·3	48·9	52·9	51·6
April	51·5	50·3	46·4	51·8	53·5	53·8	51·8
May	47·8	46·6	41·3	46·3	47·3	49·0	46·8
June	44·0	45·7	40·5	42·5	45·2	48·0	45·4
July	45·1	42·5	37·9	39·6	43·1	43·6	43·6
August	46·7	42·1	41·1	39·6	43·3	45·0	42·9
September	49·3	41·8	38·9	41·7	45·2	45·8	42·9
October	53·5	47·7	43·1	48·1	51·6	51·6	48·1
November	54·7	50·2	46·2	50·0	54·0	53·7	49·5
December	54·9	50·1	46·8	52·8	57·3	52·2	49·2
OVER THE MEAN	50·9	47·6	44·25	47·5	49·5	50·6	48·46

TABLE No. 11.
HYGROMETRIC RESULTS.
MEAN PRESSURE OF VAPOUR AT DIFFERENT STATIONS FOR EACH MONTH OF THE YEAR 1889.

MONTHS.	SOUTHPORT.	HOBART.	OATLANDS.	FALMOUTH.	LAUNCESTON.	LOW HEAD.	CIRCULAR HEAD.
January	·427	·408	·376	·412	·412	·450	·443
February	·440	·386	·385	·418	·375	·444	·419
March	·412	·345	·308	·365	·346	·401	·383
April	·380	·365	·316	·385	·411	·415	·385
May	·332	·318	·260	·315	·327	·348	·320
June	·288	·307	·252	·272	·302	·335	·304
July	·301	·272	·228	·243	·278	·284	·284
August	·319	·268	·258	·243	·280	·300	·276
September	·352	·265	·237	·264	·302	·308	·276
October	·410	·331	·278	·336	·383	·382	·336
November	·428	·364	·313	·361	·418	·413	·354
December	·432	·362	·321	·400	·470	·392	·349
MEAN	·377	·333	·294	·334	·359	·373	·344

TABLE No. 12.
MEAN RELATIVE HUMIDITY AT DIFFERENT STATIONS FOR EACH MONTH OF THE YEAR 1889.

MONTHS.	SOUTHPORT.	HOBART.	OATLANDS.	FALMOUTH.	LAUNCESTON.	LOW HEAD.	CIRCULAR HEAD.
January	·73	·70	·69	·73	·60	·75	·75
February	·77	·68	·75	·71	·56	·71	·72
March	·83	·66	·68	·69	·61	·75	·74
April	·79	·78	·75	·79	·83	·83	·74
May	·79	·80	·74	·78	·83	·84	·77
June	·91	·90	·86	·79	·86	·88	·80
July	·84	·83	·84	·76	·91	·82	·78
August	·86	·79	·91	·71	·83	·82	·77
September	·89	·74	·77	·70	·80	·80	·74
October	·90	·77	·71	·76	·81	·85	·77
November	·83	·78	·74	·77	·76	·82	·72
December	·78	·70	·70	·76	·85	·74	·68
MEAN	·83	·76	·76	·75	·77	·80	·75

TABLE No. 13.

MEAN AND EXTREME RESULTS FOR THE YEAR 1889.

From Observations taken at Hobart.

<i>Barometer—</i>	
Highest reading	30·686 inches, on 3rd August.
Lowest ditto	28·930 inches, on 8th March.
Range for the year	1·756 inches.
<i>Thermometer—</i>	
Radiation, Solar, maximum	148°, on 24th January.
Ditto, Terrestrial, minimum	25°, on 12th October.
Maximum in the shade	96° 3', on 20th November.
Minimum ditto	32°, on 12th October.
Range for the year	64° 3'.
Highest mean daily reading for one month	63° 3', January.
Lowest, ditto, ditto	47° 3', July.
<i>Humidity—</i>	
Mean maximum for one month (saturation = 100) ...	·90, June.
Mean for the year	·76.
<i>Condensation—</i>	
Total for the year.....	30·80 inches.
Total Number of Rainy Days	180.
Maximum fall for one month.....	8·15 inches, June.
Minimum, ditto	0·72 inches, March.
Maximum fall in 24 hours	4·11 inches, 14th June.

TABLE No. 14.

MAXIMUM TEMPERATURE OF THE AIR (IN SHADE) AT HOBART ON EACH DAY OF THE YEAR 1889.

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

Day of Month.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1.....	78·0	72·2	70·0	72·0	72·0	55·7	52·0	49·7	49·0	59·3	55·0	72·8
2.....	76·0	81·2	74·5	73·0	71·8	60·0	51·7	51·7	49·8	65·2	57·8	73·2
3.....	73·0	77·3	66·0	68·8	63·5	59·5	52·5	54·0	51·7	54·7	64·2	63·5
4.....	65·0	79·0	80·2	73·4	54·7	54·2	51·8	55·0	55·0	69·0	71·0	71·0
5.....	61·0	56·3	89·0	77·7	58·3	53·0	54·6	55·0	55·7	61·0	63·7	68·3
6.....	61·0	58·3	75·0	67·0	60·5	55·2	53·5	54·2	64·0	49·0	64·8	72·0
7.....	63·0	56·3	65·2	54·0	60·0	57·0	50·2	56·6	65·2	59·0	69·2	63·8
8.....	73·0	62·6	63·0	58·5	59·0	57·5	51·3	61·0	66·2	61·7	65·8	64·8
9.....	90·8	63·2	67·2	63·0	60·0	48·2	52·8	59·3	57·0	59·2	76·5	75·7
10.....	83·0	75·8	68·8	57·0	63·0	51·5	45·0	56·7	49·8	57·2	56·8	83·8
11.....	74·5	71·5	62·0	59·3	61·8	57·0	48·2	52·5	59·3	48·8	56·0	65·0
12.....	69·0	78·2	63·3	59·0	55·8	59·2	52·8	51·2	57·2	57·8	63·3	67·6
13.....	60·7	95·0	66·3	65·0	58·8	52·8	59·0	48·8	50·3	68·8	59·0	71·5
14.....	60·7	70·7	70·8	59·0	57·0	51·3	48·3	56·5	56·8	60·5	73·3	60·0
15.....	60·0	74·4	67·3	58·7	56·8	52·8	52·8	57·8	58·8	79·7	73·2	68·5
16.....	66·2	64·0	88·3	68·0	58·5	55·7	52·8	52·4	48·0	55·8	72·5	57·0
17.....	71·5	64·7	71·0	74·7	65·5	51·3	55·6	55·0	50·0	60·0	61·5	67·2
18.....	74·8	65·0	72·3	62·0	63·0	51·3	55·2	58·4	48·3	65·0	67·2	63·0
19.....	72·0	68·0	54·0	55·8	66·5	58·5	51·5	59·8	55·0	65·0	66·8	70·0
20.....	76·5	68·2	65·0	57·2	64·8	53·4	55·2	58·4	54·7	56·0	96·3	70·8
21.....	70·5	74·5	57·7	57·8	64·8	49·2	56·8	56·8	55·5	67·8	65·2	62·8
22.....	86·5	62·5	61·0	74·0	53·3	50·0	59·3	44·7	65·5	70·2	70·3	68·0
23.....	91·5	72·0	64·8	68·0	47·7	50·2	59·4	53·5	70·2	64·5	61·5	67·0
24.....	85·0	78·0	68·0	70·0	47·8	46·0	55·0	55·2	62·2	65·5	55·7	62·8
25.....	76·0	76·7	77·0	66·2	48·4	51·2	51·5	58·2	68·3	64·2	59·0	75·0
26.....	73·5	82·3	81·0	58·7	58·0	49·2	58·8	60·0	69·5	68·2	59·8	86·8
27.....	66·0	66·0	60·0	55·2	54·8	48·6	56·8	58·0	60·2	71·5	56·7	66·2
28.....	60·0	62·0	56·8	59·2	51·7	51·2	58·5	61·0	61·8	63·7	60·0	60·7
29.....	63·3	—	66·0	59·5	54·8	57·0	58·4	62·2	63·3	63·5	60·3	63·0
30.....	64·8	—	74·4	70·3	51·7	52·8	60·0	66·8	52·2	62·0	64·2	62·0
31.....	68·8	—	73·7	—	58·0	—	60·3	55·6	—	51·8	—	65·2
Maximum.....	91·5	95·0	89·0	77·7	72·0	60·0	60·3	66·8	70·2	79·7	96·3	86·8

TABLE No. 15.

MINIMUM TEMPERATURE OF THE AIR (IN SHADE) AT HOBART FOR EACH DAY OF THE YEAR 1889.

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

TABLE No. 16.
SUMMARY OF THE DIRECTION OF THE WIND AT HOBART DURING EACH MONTH OF THE YEAR 1889.

DIRECTION.	JANUARY.			FEBRUARY.			MARCH.			APRIL.			MAY.			JUNE.			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	5	1	4	8	2	4	8	4	7	7	5	6	7	6	9	9	5	4	12	13	12	11	4	5	13	3	2	10	5	5	8	1	2	13	3	8	231
North East.....	1	2	1	...	...	2	1	...	...	...	...	...	...	1	1	...	1	1	...	2	...	...	3	1	...	1	...	...	...	...	2	3	2	2	...	3	30
East.....	1	1	3	...	2	...	...	1	2	1	1	1	...	1	...	1	2	...	...	...	...	1	...	...	...	...	...	...	...	1	3	3	...	...	1	26	
South East.....	4	15	6	6	12	5	3	10	2	2	9	2	2	2	...	...	2	...	1	3	...	1	8	1	...	10	1	4	16	1	9	17	5	1	12	3	175
South	4	1	6	2	2	5	...	...	2	1	1	3	1	2	2	4	4	6	1	2	3	...	2	3	2	1	3	2	4	8	3	1	5	1	2	2	91
South West	3	2	3	2	3	2	2	6	5	4	5	6	1	3	4	2	3	5	1	2	4	3	5	5	3	8	4	3	...	2	1	2	5	4	4	6	123
West	...	2	2	1	1	3	2	1	4	1	1	7	...	...	5	1	1	6	...	1	6	...	2	5	2	4	12	2	2	9	3	2	2	4	1	5	100
North West.....	5	6	4	7	5	5	8	8	6	8	4	4	8	6	4	5	2	6	7	7	5	12	3	7	6	3	8	8	4	4	3	1	2	1	6	2	190
Calms	8	1	2	2	1	2	7	1	3	6	4	1	12	10	6	8	10	2	9	1	1	4	3	4	4	...	...	2	...	2	...	...	4	5	3	1	129

TABLE No. 17.
TABLE SHOWING THE NUMBER OF HOURS OF SUNSHINE AT HOBART DURING THE YEAR 1889.

Month.	Hours Sun above Hori- zon middle of each Month.	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.	Total No. of Hours of Sunshine.	Total pos- sible No. of Hours of Sunshine.
January	14.9	12.0	2.2	7.6	9.3	10.5	12.5	11.2	6.7	7.5	12.0	6.3	3.0	...	...	3.7	7.0	3.0	5.0	7.4	12.2	11.0	12.2	12.5	6.8	8.8	8.0	4.4	5.8	8.0	7.3	11.7	235.6	383
February	13.7	3.8	10.2	1.4	6.8	...	...	7.1	9.4	8.0	6.5	8.2	4.2	8.0	8.2	7.8	5.0	7.3	8.0	9.0	5.0	3.0	1.3	9.8	11.7	3.3	4.2	7.0	7.5	...	...	...	171.7	291
March	12.4	8.3	7.0	4.3	8.2	7.3	8.4	8.5	9.4	8.0	7.5	2.2	7.3	9.2	9.8	5.2	4.8	9.7	7.6	5.5	2.4	8.0	6.3	4.0	9.3	9.8	7.0	...	...	6.5	9.7	8.5	209.9	332
April	10.9	9.8	8.5	2.5	6.8	4.7	6.7	...	1.0	5.2	6.4	3.8	5.2	7.2	2.8	...	1.0	7.5	4.2	9.0	3.2	0.5	7.8	1.0	7.0	6.5	2.5	6.5	3.0	4.5	5.5	...	140.3	279
May	9.6	7.5	6.7	8.5	8.2	8.0	8.8	4.0	0.5	1.7	4.8	3.7	5.0	1.7	6.0	1.3	3.2	8.6	6.0	7.5	...	5.5	1.8	...	0.7	2.0	7.3	0.5	...	1.5	...	1.0	122.	235
June	9.0	...	...	0.8	.05	...	0.3	1.6	5.7	2.0	3.0	5.7	...	...	...	3.0	3.0	...	7.3	6.7	5.0	1.8	7.0	4.2	3.3	1.5	1.2	6.0	2.6	2.2	8.3	...	82.4	232
July	9.2	7.2	...	8.0	2.7	1.0	4.7	6.2	1.8	3.2	3.0	2.3	3.4	6.7	1.3	4.3	7.8	7.8	8.3	1.0	7.8	8.3	6.8	8.2	1.6	4.7	8.7	7.7	6.3	4.8	8.2	1.2	155.	248
August ..	10.3	7.0	5.2	8.5	8.1	8.3	2.2	...	7.5	7.2	6.0	2.5	4.7	7.6	4.8	8.0	3.0	4.8	9.2	3.0	3.8	6.2	7.0	7.5	2.8	5.5	3.8	9.4	7.0	4.2	8.3	1.6	174.7	279
September ...	11.7	4.7	5.5	6.3	8.8	2.8	7.2	6.8	7.2	7.8	2.2	8.5	4.2	1.5	6.0	1.3	1.8	2.0	4.0	7.0	9.2	2.3	7.5	5.0	7.5	8.8	5.5	8.5	2.5	5.7	2.5	...	160.7	312
October	13.1	1.3	8.0	...	8.0	7.5	...	6.3	5.8	7.5	7.8	5.5	4.2	4.5	5.2	5.2	1.8	3.0	2.5	5.3	9.0	2.5	3.3	9.2	8.0	...	3.2	6.0	6.3	2.3	5.0	...	144.2	354
November ...	14.5	3.7	3.7	3.3	6.2	8.0	8.6	6.4	3.5	8.3	4.7	5.0	6.6	5.0	10.5	9.7	11.4	...	7.2	8.0	8.7	4.2	7.0	7.0	0.6	2.7	...	...	...	9.2	6.3	...	165.5	365
December	15.2	7.5	4.5	0.9	11.0	3.3	11.4	5.8	6.8	11.5	9.6	11.5	8.2	9.3	...	5.0	9.7	8.8	11.6	6.9	1.0	6.3	6.0	6.3	3.5	6.7	10.6	12.0	2.8	8.6	8.4	11.5	226.1	403

TABLE No. 18.

TOTAL ESTIMATED MOTION OF AIR, AND GREATEST VELOCITY OF THE WIND,
AS REGISTERED BY HAGAMANN'S ANEMOMETER, 1889.

<i>Date.</i>	<i>Total estimated Motion of Air in Miles.</i>	<i>Greatest Velo- city of Wind in Miles per Hour</i>	<i>Date.</i>	<i>Total estimated Motion of Air in Miles.</i>	<i>Greatest Velo- city of Wind in Miles per Hour</i>
January			March		
1.....	70	18	1.....	132	21
2.....	31	10	2.....	123	17
3.....	120	22	3.....	99	17
4.....	231	28	4.....	160	30
5.....	189	25	5.....	192	37
6.....	210	28	6.....	153	29
7.....	150	20	7.....	391	55
8.....	90	15	8.....	285	46
9.....	276	25	9.....	93	22
10.....	99	17	10.....	148	27
11.....	108	20	11.....	168	25
12.....	45	7	12.....	67	18
13.....	45	6	13.....	72	15
14.....	198	28	14.....	54	13
15.....	102	14	15.....	66	8
16.....	54	9	16.....	195	33
17.....	81	12	17.....	123	37
18.....	75	18	18.....	110	23
19.....	54	13	19.....	199	25
20.....	82	15	20.....	231	26
21.....	88	14	21.....	201	33
22.....	82	14	22.....	147	23
23.....	93	14	23.....	76	14
24.....	217	23	24.....	67	14
25.....	250	27	25.....	82	14
26.....	154	24	26.....	69	16
27.....	97	23	27.....	27	9
28.....	114	16	28.....	27	4
29.....	104	14	29.....	40	10
30.....	65	12	30.....	91	18
31.....	63	12	31.....	36	6
	3637	28		3924	55
February			April		
1.....	81	14	1.....	54	10
2.....	72	12	2.....	87	16
3.....	63	16	3.....	32	7
4.....	111	20	4.....	135	24
5.....	228	21	5.....	60	13
6.....	118	14	6.....	120	24
7.....	252	28	7.....	31	5
8.....	227	24	8.....	289	31
9.....	54	7	9.....	375	40
10.....	93	24	10.....	144	26
11.....	54	14	11.....	81	16
12.....	81	16	12.....	27	4
13.....	No record.	No record.	13.....	36	6
14.....			14.....	30	3
15.....			15.....	23	2
16.....			16.....	18	2
17.....	No record.	No record.	17.....	65	14
18.....			18.....	85	15
19.....			19.....	147	24
20.....			20.....	54	18
21.....	63	11	21.....	67	20
22.....	27	3	22.....	73	17
23.....	79	16	23.....	36	6
24.....	69	14	24.....	195	25
25.....	279	41	25.....	150	40
26.....	160	24	26.....	198	27
27.....	147	30	27.....	30	7
28.....	372	46	28.....	187	30
	164	44	29.....	22	6
			30.....	224	30
	"	46		3075	40

<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	.....	172	28	July	1	.....	45	10
	2	.....	126	21		2	.....	102	20
	3	.....	156	28		3	.....	27	5
	4	.....	190	34		4	.....	105	15
	5	.....	123	21		5	.....	27	4
	6	.....	40	10		6	.....	63	9
	7	.....	45	14		7	.....	99	16
	8	.....	38	6		8	.....	84	13
	9	.....	58	10		9	.....	123	16
	10	.....	108	19		10	.....	84	19
	11	.....	58	14		11	.....	75	14
	12	.....	40	12		12	.....	120	15
	13	.....	105	22		13	.....	195	25
	14	.....	85	14		14	.....	52	13
	15	.....	99	17		15	.....	33	5
	16	.....	138	21		16	.....	141	25
	17	.....	31	12		17	.....	36	16
	18	.....	111	13		18	.....	45	6
	19	.....	199	25		19	.....	27	7
	20	.....	153	21		20	.....	49	8
	21	.....	123	30		21	.....	45	6
	22	.....	243	30		22	.....	39	9
	23	.....	165	21		23	.....	54	13
	24	.....	54	8		24	.....	91	21
	25	.....	18	5		25	.....	111	21
	26	.....	18	6		26	.....	46	16
	27	.....	18	4		27	.....	36	6
	28	.....	13	3		28	.....	78	15
	29	.....	13	3		29	.....	22	4
	30	.....	54	13		30	.....	45	7
	31	.....	22	7		31	.....	246	37
			2816	34				2345	37
June	1	.....	13	4	August	1	.....	90	21
	2	.....	18	4		2	.....	30	4
	3	.....	18	4		3	.....	54	13
	4	.....	18	4		4	.....	54	12
	5	.....	36	5		5	.....	24	4
	6	.....	27	4		6	.....	12	1
	7	.....	12	3		7	.....	18	3
	8	.....	175	34		8	.....	51	13
	9	.....	270	27		9	.....	63	9
	10	.....	36	7		10	.....	32	8
	11	.....	78	21		11	.....	57	12
	12	.....	81	17		12	.....	160	24
	13	.....	312	44		13	.....	106	17
	14	.....	492	48		14	.....	51	18
	15	.....	207	29		15	.....	45	11
	16	.....	18	4		16	.....	42	9
	17	.....	22	4		17	.....	27	7
	18	.....	54	8		18	.....	144	22
	19	.....	24	6		19	.....	375	34
	20	.....	12	3		20	.....	138	26
	21	.....	18	7		21	.....	105	20
	22	.....	18	4		22	.....	174	24
	23	.....	39	14		23	.....	58	10
	24	.....	192	29		24	.....	72	10
	25	.....	140	24		25	.....	45	8
	26	.....	108	18		26	.....	36	5
	27	.....	22	4		27	.....	27	4
	28	.....	168	24		28	.....	63	13
	29	.....	108	23		29	.....	144	25
	30	.....	63	15		30	.....	175	24
				2799		48				2562	34

<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.....	145	34	November 1.....	270	23
2.....	54	10	2.....	48	6
3.....	27	3	3.....	54	8
4.....	27	3	4.....	99	25
5.....	111	16	5.....	109	21
6.....	112	28	6.....	48	13
7.....	324	46	7.....	103	24
8.....	299	32	8.....	63	10
9.....	282	25	9.....	141	23
10.....	114	20	10.....	112	23
11.....	32	9	11.....	54	7
12.....	54	13	12.....	96	12
13.....	63	13	13.....	79	10
14.....	90	14	14.....	99	14
15.....	162	21	15.....	117	15
16.....	138	22	16.....	210	22
17.....	27	4	17.....	100	18
18.....	147	27	18.....	103	17
19.....	152	22	19.....	84	14
20.....	54	5	20.....	342	39
21.....	36	4	21.....	81	17
22.....	72	7	22.....	99	15
23.....	66	13	23.....	78	14
24.....	54	7	24.....	123	16
25.....	135	20	25.....	63	11
26.....	150	30	26.....	105	14
27.....	72	15	27.....	93	12
28.....	165	35	28.....	48	9
29.....	105	18	29.....	141	20
30.....	162	22	30.....	84	14
	3431	46		3246	39
October 1.....	72	13	December 1.....	214	27
2.....	36	4	2.....	156	20
3.....	36	3	3.....	55	9
4.....	72	10	4.....	54	7
5.....	220	29	5.....	171	18
6.....	108	13	6.....	180	23
7.....	129	21	7.....	224	21
8.....	360	37	8.....	99	14
9.....	141	21	9.....	75	9
10.....	224	34	10.....	234	32
11.....	102	25	11.....	228	26
12.....	201	27	12.....	81	11
13.....	123	22	13.....	87	14
14.....	42	9	14.....	51	6
15.....	258	39	15.....	357	41
16.....	112	20	16.....	402	52
17.....	54	9	17.....	252	21
18.....	84	11	18.....	231	21
19.....	82	14	19.....	144	24
20.....	96	13	20.....	57	17
21.....	54	8	21.....	189	25
22.....	73	16	22.....	129	22
23.....	78	8	23.....	201	25
24.....	84	15	24.....	240	23
25.....	150	23	25.....	219	25
26.....	393	37	26.....	348	42
27.....	270	23	27.....	333	31
28.....	228	22	28.....	157	17
29.....	64	14	29.....	142	15
30.....	117	22	30.....	100	18
31.....	343	30	31.....	94	15
	4406	39		5504	52

TABLE NO. 19.
RAINFALL IN TASMANIA DURING THE YEAR 1889.

Stations.	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.
Southport	Inches. 3.32	No. 12	Inches. 2.34	No. 11	Inches. 3.15	No. 14	Inches. 8.96	No. 17	Inches. 2.28	No. 18	Inches. 8.64	No. 17	Inches. 2.82	No. 8	Inches. 3.32	No. 18	Inches. 3.79	No. 19	Inches. 3.87	No. 21	Inches. 3.04	No. 11	Inches. 4.83	No. 21	Inches. 50.36	No. 187
Franklin	0.82	5	3.24	9	2.32	9	2.62	13	1.51	15	7.84	13	2.13	8	1.98	13	2.64	17	2.06	16	1.55	7	3.57	18	32.28	143
Mount Nelson	2.56	9	1.46	10	1.24	9	4.54	10	1.18	15	9.31	18	1.87	6	0.66	7	0.93	13	3.04	15	4.32	16	3.47	11	34.58	139
Clarence Plains	2.65	11	0.97	10	0.27	9	4.20	11	1.14	8	7.13	17	1.72	7	0.69	12	0.98	13	2.81	15	4.94	13	2.39	13	29.89	139
Hobart	2.36	13	1.57	12	0.72	12	2.78	14	0.96	15	8.15	21	1.99	7	0.96	13	1.13	16	2.58	20	4.11	17	3.49	20	30.80	180
Botanical Gardens, Hobart	2.48	11	1.19	11	0.51	8	2.52	9	0.90	10	8.57	19	1.92	5	0.55	5	0.92	14	2.20	14	3.81	14	2.59	11	28.16	131
Richmond	2.53	8	2.56	6	0.19	2	3.48	9	0.98	10	7.41	17	1.44	4	0.56	5	0.44	6	2.44	10	4.27	12	2.16	13	28.46	102
Sorell	3.60	9	2.00	9	0.26	6	5.09	10	1.38	14	8.78	17	2.33	8	1.09	11	1.62	10	5.08	14	3.00	8	3.43	11	37.66	127
Kellevie	4.88	12	1.45	8	0.60	7	6.37	13	2.62	16	14.04	20	2.13	10	1.83	12	1.98	12	3.58	16	8.77	16	4.01	16	52.26	158
Carnarvon	3.27	13	1.84	12	1.27	11	7.61	12	2.92	17	12.10	21	2.39	9	3.96	13	3.13	16	5.24	17	4.74	12	4.19	15	52.66	168
Eaglehawk Neck	3.00	12	1.14	9	0.42	6	4.19	13	2.71	15	12.55	20	2.36	10	3.01	15	1.91	14	3.40	15	5.91	10	2.56	9	43.16	148
Swansea	4.37	8	0.54	5	0.59	5	3.39	7	2.29	8	11.33	12	1.98	6	0.97	3	1.09	12	4.20	12	12.21	13	2.05	9	45.21	100
New Norfolk	1.40	8	3.18	9	0.83	5	1.31	11	0.82	6	7.31	14	0.93	6	0.44	4	0.64	6	2.42	14	2.97	11	2.52	16	24.77	110
Bagdad	1.63	7	2.57	10	0.79	9	2.64	11	0.90	12	6.29	16	1.23	7	0.69	10	1.01	12	2.44	12	4.42	12	2.46	12	27.07	130
Bushy Park, Glenora	1.92	11	2.29	11	1.30	7	1.42	8	0.88	8	5.30	16	0.58	4	0.92	12	1.04	16	2.90	14	1.87	11	2.87	21	23.29	139
Hamilton	1.97	8	2.72	8	1.00	7	0.99	7	0.94	6	3.47	11	0.76	5	0.53	5	0.86	10	2.52	11	2.74	9	1.73	15	20.23	102
Bothwell	1.49	5	1.97	9	0.85	5	2.19	9	1.06	11	6.22	13	0.72	5	0.69	6	1.09	7	2.83	14	5.30	9	2.77	11	27.18	104
Dog's Head, Lake Sorell	3.33	9	2.81	8	0.67	6	1.82	12	2.33	13	13.70	13	2.22	4	2.11	6	1.93	10	3.01	11	8.52	12	3.27	8	46.32	112
Oatlands	1.63	6	1.24	4	0.18	4	2.08	6	1.29	13	8.71	16	0.59	5	1.21	8	1.23	11	3.26	11	5.22	17	2.73	9	29.37	110
Ross	2.88	11	0.95	6	0.18	4	2.59	10	0.94	8	3.67	18	0.78	6	1.04	8	1.22	12	2.98	10	5.41	14	2.00	10	23.64	117
Campbell Town	2.75	13	1.13	7	0.26	4	2.54	9	1.23	6	3.97	15	0.60	3	1.56	8	1.67	9	4.00	13	5.30	13	1.47	9	26.48	109
Avoca	2.35	11	0.75	7	0.41	4	3.25	13	1.05	13	4.30	19	0.99	9	1.70	13	1.72	14	5.69	16	5.65	17	2.25	11	30.11	147
Ormley, Avoca	2.86	11	0.75	5	0.51	3	4.73	8	1.39	9	3.98	14	0.76	5	2.30	9	1.41	10	6.10	13	7.45	13	1.73	9	33.97	109
Fingal	2.43	12	0.90	7	0.07	3	3.87	10	1.56	12	8.48	19	0.94	9	4.52	14	1.52	14	5.93	12	7.85	18	1.04	7	39.11	137
Killymoon, Fingal	2.28	9	0.37	4	0.15	4	5.86	11	2.37	10	12.12	19	2.06	9	2.60	13	2.43	15	4.26	13	14.28	20	1.46	9	50.24	136
Falmouth	3.33	7	0.36	4	0.34	3	4.26	9	1.38	7	6.06	13	0.81	7	2.32	11	2.73	8	2.83	8	11.67	16	2.89	6	38.98	99
Gould's Country	3.28	9	0.93	7	1.34	4	8.87	9	4.34	11	10.44	15	1.43	7	7.76	16	4.69	13	4.21	8	19.50	14	2.53	8	69.32	121
Scottsdale	3.65	9	1.41	5	1.72	4	2.70	10	5.10	7	9.36	20	1.26	4	5.36	11	4.56	14	5.08	13	7.85	14	2.07	9	50.12	120
Boobyalla	1.78	8	0.67	4	1.04	5	2.73	11	1.94	9	6.36	14	1.43	3	2.93	11	3.18	14	2.63	7	10.39	11	0.96	6	36.04	103
Low Head	2.99	11	0.84	6	0.64	6	2.61	10	2.80	10	8.49	22	0.54	6	3.62	12	1.96	14	3.54	11	3.32	11	1.77	10	33.12	129
Windermere	3.04	10	0.68	4	1.58	9	2.76	11	3.87	8	8.71	19	1.27	6	4.80	14	3.58	15	4.42	12	3.25	14	1.96	10	39.92	132
Launceston	3.19	12	0.72	5	0.77	8	2.24	10	2.51	9	5.84	17	0.97	5	3.74	12	3.55	12	4.40	13	3.34	12	1.71	11	32.98	126
Longford	2.31	7	0.15	2	0.58	3	2.11	6	0.87	3	4.56	8	1.12	3	3.89	10	2.11	4	4.77	10	3.33	10	1.25	5	27.05	71
Deloraine	3.99	10	0.60	7	1.24	9	2.87	9	4.81	8	8.95	19	1.28	6	6.71	16	4.14	13	5.35	10	5.25	15	2.80	11	47.99	133
Latrobe	2.64	6	0.57	5	1.39	7	3.04	7	4.80	5	11.69	20	1.43	6	3.01	11	3.34	13	5.06	10	5.00	7	2.20	6	44.17	103
Ulverstone	2.96	11	1.50	10	1.55	9	4.16	15	6.22	11	11.36	23	0.89	8	5.25	18	3.55	16	5.31	13	4.70	14	3.08	15	50.53	163
Castra	4.06	13	2.04	11	2.15	13	4.42	15	7.41	10	14.18	23	1.26	10	8.39	16	4.82	15	6.08	23	6.86	12	5.26	14	66.93	175
Emu Bay	2.77	9	0.48	5	1.47	8	2.57	10	4.70	10	7.77	21	0.83	6	3.93	15	3.02	18	4.90	10	2.70	10	2.31	13	37.45	135
Waratah	6.04	22	4.08	18	5.01	19	5.41	16	8.33	15	12.02	22	5.23	12	8.46	...	6.68	...	8.09	20	5.22	10	7.30	25	81.87	...
Circular Head	3.18	12	0.74	9	1.20	12	3.20	16	3.71	18	8.25	24	1.09	15	3.81	21	1.79	16	3.78	16	3.09	13	2.25	19	36.09	191
Black River	2.24	15	0.91	10	1.78	13	4.09	14	4.84	14	10.78	25	1.51	11	5.61	21	2.95	17	5.18	15	3.55	11	2.76	15	46.20	181
Cape Grim	2.27	13	1.48	11	1.12	11	3.71	16	3.96	16	8.01	21	2.67	17	6.40	23	2.04	15	4.94	17	2.58	11	2.65	19	41.83	190
Corinna	5.28	15	2.56	12	5.10	13	5.43	16	8.02	16	9.43	24	5.70	20	8.11	22	7.72	23	6.59	20	2.68	13	6.34	23	72.96	217

TABLE No. 20.
RAINFALL AT LIGHTHOUSES, 1889.

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 Bruni	3·62	17	2·18	15	2·13	13	5·80	16	2·48	20	6·05	16	2·21	14	3·30	16	2·75	17	2·69	18	2·13	12	3·73	26	39·07	200
Swan Island	1·78	5	0·79	5	0·92	5	2·32	7	1·79	12	5·31	15	1·06	5	2·37	14	3·18	14	3·78	10	6·88	14	1·55	9	31·73	115
Goose Island	2·78	12	0·48	5	0·77	6	2·72	7	1·72	13	7·38	20	1·53	5	2·44	14	2·16	11	2·61	13	4·19	16	1·39	7	30·17	129
Kent's Group.....	3·32	9	0·74	9	0·40	6	2·03	8	3·19	15	9·08	20	1·93	9	3·15	14	2·32	10	3·05	13	3·32	14	1·03	9	33·56	136
King's Island.....	1·91	8	0·87	4	0·36	3	2·82	10	2·03	15	7·06	18	1·70	11	2·97	13	1·86	10	3·77	11	0·99	7	2·08	7	28·42	117

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