

# THE CLIMATE OF NEW ZEALAND.

## METEOROLOGICAL STATISTICS.

THE following Tables, etc., are published in anticipation of the Report of the Inspector of Meteorological Stations for 1872.

TABLE I.—TEMPERATURE of the AIR, in shade, recorded at the Chief Towns in the NORTH and SOUTH ISLANDS of NEW ZEALAND, for the year 1872.

Place.	Mean Annual Temp.	Mean Temp. for (SPRING) Sept., Oct., Nov.	Mean Temp. for (SUMMER) Dec., Jan., Feb.	Mean Temp. for (AUTUMN) Mar., Apl., May.	Mean Temp. for (WINTER) June, July, Aug.	Mean daily range of Temp. for year.	Extreme range of Temp. for year.
	Degrees.	Degrees.	Degrees.	Degrees.	Degrees.	Degrees.	Degrees.
<b>NORTH ISLAND.</b>							
Mongonui* ... ..	62·1	60·5	†72·0	64·3	55·0	14·9	56·0
Auckland ... ..	60·2	57·3	69·5	61·8	52·4	13·9	56·4
Taranaki ... ..	58·4	56·3	65·7	60·3	51·1	17·0	52·0
Napier ... ..	59·7	57·8	69·2	60·3	51·5	17·0	64·0
Wanganui ... ..	56·7	54·5	65·1	58·6	48·8	16·6	58·0
Wellington ... ..	55·8	54·1	63·7	57·4	48·1	11·6	51·5
Means, etc., for } North Island	58·8	56·7	67·5	60·4	51·1	15·2	64·0
<b>SOUTH ISLAND.</b>							
Nelson ... ..	56·7	55·5	66·6	57·9	47·0	20·9	65·0
Christchurch ... ..	53·6	53·2	64·4	53·8	43·2	15·0	74·2
Hokitika ... ..	54·1	53·4	61·1	56·6	45·2	12·0	55·0
Dunedin ... ..	51·4	51·9	59·5	52·0	42·3	14·7	61·0
Queenstown... ..	51·4	51·7	61·7	53·1	39·2	16·7	61·7
Southland* ... ..	49·2	51·2	†57·6	52·2	40·1	18·7	68·0
Means, etc., for } South Island	52·7	52·8	61·8	54·2	42·8	16·3	74·2
Means for Nth. } and Sth. Islands }	55·7	54·7	64·6	57·3	46·9	15·7	74·2

\* For eleven months; no returns for December furnished.

† For January and February only.

TABLE II.—BAROMETRICAL OBSERVATIONS.—RAINFALL, etc., recorded for the year 1872.

Place.	Mean Barometer reading for year.	Range of Barometer for year.	Mean Elastic Force of Vapour for year.	Mean Degree of Moisture for year.	Total Rainfall.	Mean Amount of Cloud.
NORTH ISLAND.						
Mongonui* ...	Inches. 30·024	Inches. 1·407	Inches. ...	Sat.=100. ...	Inches. 45·330	0 to 10. 5·3
Auckland ...	30·024	1·404	·428	80	42·096	6·3
Taranaki ...	30·001	1·429	·305	62	63·640	6·7
Napier ...	29·980	1·420	·389	74	23·940	2·0
Wanganui ...	30·087	1·520	·332	71	38·120	4·8
Wellington ...	29·934	1·629	·351	79	50·945	5·6
Means for Nth. Island }	30·008	1·468	·361	73	44·012	5·1
SOUTH ISLAND.						
Nelson ...	29·919	1·518	·369	79	78·610	6·1
Christchurch ...	29·915	1·702	·333	79	19·741	5·6
Hokitika ...	29·944	1·543	·361	85	123·210	4·8
Dunedin ...	29·819	1·351	·293	76	27·393	5·8
Queenstown ...	...	...	·257	67	28·880	5·3
Southland* ...	29·840	1·631	·275	77	40·110	5·7
Means for Sth. Island }	29·887	1·549	·314	77	52·990	5·5
Means for Nth. & Sth. Islands }	29·947	1·508	·337	75	48·501	5·3

\* For eleven months ; returns for December not furnished.

TABLE III.—WIND for 1872,—Force and Direction.

Place.	Average Daily Velocity in miles.	Number of days it blew from each point.								
		N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
NORTH ISLAND.										
Mongonui* ...	169	20	39	51	40	12	56	22	82	13†
Auckland ...	291	43	84	40	16	50	75	29	20	9
Taranaki ...	...	39	85	30	65	1	87	27	32	0
Napier ...	234	24	141	10	24	32	51	38	34	12
Wanganui ...	256	33	24	6	25	0	80	35	117	46
Wellington ...	204	21	27	8	111	5	6	7	179	2
SOUTH ISLAND.										
Nelson ...	...	35	84	12	52	7	67	39	70	0
Christchurch ...	...	10	90	78	21	15	105	7	30	10
Bealey ...	...	0	26	1	33	0	22	0	208	76
Hokitika ...	146	58	64	61	66	5	48	18	39	7
Dunedin ...	168	35	29	30	36	28	43	52	15	98
Queenstown ...	139	2	14	0	11	1	57	14	125	142
Southland* ...	191	95	31	28	25	27	26	57	46	0

\* For eleven months ; returns for December not furnished.

† These returns refer to the particular time of observation, and not to the whole twenty-four hours, and only show that no direction was recorded for the wind on that number of days.

TABLE IV.—BEALEY,—Interior of Canterbury, at 2,104 feet above the sea.

Mean Annual Temp.	Mean daily range of Temp. for year.	Extreme range of Temp. for year.	Mean Barometer reading for year.	Range of Barometer for year.	Mean Elastic Force of Vapour for year.	Mean Degree of Moisture for year.	Total Rainfall.	Mean Amount of Cloud.
Degrees.	Degrees.	Degrees.	Inches.	Inches.	Inches.	Sat.=100.	Inches.	0 to 10.
48·0	15·9	70·0	29·798*	1·433	·291	85	97·130	5·4

\* Reduced to sea level.

TABLE V.—EARTHQUAKES reported in NEW ZEALAND during 1872.

Place.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
Tauranga ...	15*	..	..	..	..	..	..	..	..	..	..	..	1
Maketu ...	15*	..	..	..	..	..	..	..	..	..	..	..	1
Taupo ...	..	..	..	..	..	5*6*	..	..	..	..	..	..	2
Taranaki ...	..	..	..	..	..	..	..	..	..	..	..	..	2
Tarawera ...	..	..	..	..	..	7+18†	..	..	..	..	..	..	2
Patea ...	..	..	..	..	..	..	..	..	5, 20*	..	..	..	1
Hawera ...	..	..	..	..	..	..	..	..	20*	..	..	..	1
Napier ...	..	..	14	..	..	18*	..	..	..	..	..	..	2
Waipukurau ...	..	..	..	..	..	..	..	2*	..	..	..	..	1
Wanganui ...	..	14	..	..	..	..	2*	..	10, 20*	10	..	..	5
Foxton ...	..	..	..	..	..	..	2†	2	5, 20	4	..	..	5
Bull's ...	..	..	..	..	..	..	2*	..	20*	..	..	..	2
Greytown ...	..	..	..	..	..	..	2	..	..	..	..	..	2
Hutt ...	..	..	..	..	..	..	..	..	20*	..	..	..	1
Wellington ...	..	..	3	10	..	..	2	4	20*24	14	1	13	9
Blenheim ...	..	..	..	..	..	..	..	..	..	..	..	26*	1
White Bay ...	..	..	..	..	..	..	..	..	20*	..	..	..	1
Nelson ...	..	..	..	..	..	11	..	..	20*	14*	..	..	4
Farewell Spit ...	..	10	..	..	..	..	..	..	..	..	..	..	1
Cheviot ...	..	15	..	..	..	..	..	..	..	..	..	..	1
Timaru ...	26	..	..	..	..	..	..	..	..	..	..	..	1
Queenstown ...	..	9*	6	..	..	..	29	..	6	..	20*	..	4
Dunedin ..	..	..	..	..	..	..	..	..	..	..	20*	..	1
Tairoa Head Bluff ...	..	..	..	..	..	..	..	..	..	..	..	16	1

The figures denote the days of the month on which one or more shocks were felt. Those with an asterisk affixed were described as *smart*; those with a dagger as *severe shocks*. The remainder were very slight, and may have escaped record at some stations, there being no instrumental means employed for their detection.

NOTE.—On 15th October strong magnetic currents reported at Napier, Wellington, White Bay, Christchurch, and Blenheim, affecting telegraph wires and stopping work; also on 18th similar occurrence on wires at Nelson, Dunedin, and White Bay.