



Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine
		Means of		Mean of A and B	Difference From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Difference From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm		mm	mm		Hrs	
Cape Reinga AWS	214	14.6	10.1	12.4	-0.2	..	..	7.6	1	..	..	..	..	..	..
Kaitaia Aero EWS	80	15.9	9.4	12.7	+0.6	19.8	11	4.0	29	155	24	+51	42	20	..
Kaitaia Aero AWS	82	15.9	9.2	12.6	..	20.0	11	4.0	28	159	24	..	42	20	..
Kaitaia EWS	85	15.0	8.6	11.8	-0.4	18.0	11	3.9	28	139	24	+26	25	20	148
Kerikeri EWS	79	17.0	7.9	12.5	+0.8	20.3	11	2.6	28	127	19	-56	36	18	..
Kerikeri Aerodrome Aw	150	16.2	8.0	12.1	+0.8	19.5	11	4.3	28	139	28	-43	24	18	..
Kaikohe AWS	204	14.1	8.4	11.3	+0.1	17.6	11	5.5	28	134	28	-25	23	18	..
Trounson CWS	244	13.9	8.4	11.2	..	18.0	11	4.5	29	186	28	+11	22	20	..
Dargaville 2 EWS	66	15.2	9.2	12.2	+0.7	19.2	11	5.9	19	144	27	+26	18	11	156
Purerua AWS	82	16.2	9.0	12.6	..	19.0	26	6.1	1	122	18	..	30	18	..
Russell CWS	15	16.8	7.5	12.2	..	20.1	11	2.5	28	117	26	..	26	20	..
Whangarei Aero AWS	37	16.1	9.2	12.7	+0.7	20.6	11	5.4	29	88	25	-39	12	20	..
Whangarei EWS	12	16.3	8.2	12.3	..	20.7	11	2.8	28	87	27	..	12	18	156
Mokohinau AWS	60	14.7	11.2	13.0	+0.0	16.9	11	8.8	1	67	21	-32	22	8	..
Leigh 2 EWS	27	16.8	8.9	12.9	+0.2	18.8	12	6.7	28	82	28	-38	14	20	..
Warkworth EWS	72	14.9	7.6	11.3	+0.4	19.1	11	3.3	29	136	28	-16	26	20	..
Whangaparaoa AWS	89	15.3	9.1	12.2	+0.3	18.7	11	6.5	1	..	..	..	..	..	..
Tiri Tiri Lighthouse	76	15.0	8.9	12.0	+0.1	17.2	11	6.7	5	99	28	-1	14	20	..
Auckland, Whenuapai A	26	15.1	8.2	11.7	+0.7	19.3	11	4.0	19	192	28	..	22	20	..
Auckland, North Shore	64	15.7	8.2	12.0	..	20.1	11	2.7	19	137	27	..	18	20	152
Auckland, Henderson N	7	16.0	8.0	12.0	+0.9	19.7	10	1.8	19	201	29	+44	20	20	..
Auckland, Motat EWS	16	14.4	7.1	10.8	..	18.3	11	1.8	1	170	26	..	25	7	164
Waiheke Island, Awaro	34	15.7	9.8	12.8	..	18.8	11	2.4	1	127	..	-10	23	20	..
Whitianga Aero AWS	5	15.3	8.2	11.8	+1.0	19.9	11	2.1	29	..	..	..	..	..	..
Whitianga EWS	1	16.1	8.1	12.1	..	20.8	11	3.0	28	135	23	..	32	4	..
Thames 2	3	15.1	8.6	11.9	+0.7	18.6	11	..	..	136	..	+12	20	12	..
Paeroa AWS	18	15.0	7.7	11.4	+0.8	18.3	11	1.7	1	..	..	..	..	..	..
Matamata, Hinuera EWS	85	14.6	4.5	9.6	+0.7	16.7	30	-1.5	2	138	22	..	17	20	..
Tauranga CWS	3	15.9	8.5	12.2	..	18.5	26	2.9	19	83	20	..	16	8	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	167
Tauranga Aero AWS	4	15.5	7.9	11.7	+0.9	18.2	26	2.5	2	74	20	-36	14	20	..
Te Puke EWS	91	15.0	6.4	10.7	+0.6	17.7	30	1.4	19	128	19	-32	24	11	..
Whakatane Aero AWS	7	15.5	5.6	10.6	+0.9	17.5	31	-0.7	2	96	16	-17	24	20	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	183
Whakatane EWS	1	15.7	5.6	10.7	..	18.0	31	-0.2	2	100	15	..	25	20	..
White Island AWS	310	11.8	8.1	10.0	..	13.7	11	5.5	5	..	..	..	..	..	..
Mamaku Radar WXT AWS	617	9.2	4.6	6.9	..	..	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	16.2	5.2	10.7	..	18.5	31	-0.1	2	..	..	..	..	..	164
Rotorua EWS	288	13.1	4.8	9.0	..	15.3	26	-1.9	2	126	20	..	16	12	175
Rotorua Aero AWS	283	12.5	5.0	8.8	+0.4	14.3	26	-1.0	1	100	19	-36	16	10	..
Galatea AWS	174	13.6	3.4	8.5	..	16.2	30	-3.4	2	82	22	..	19	20	..
Taupo CWS	360	12.7	4.4	8.6	..	14.9	30	-1.0	19	120	18	..	25	10	..
Tarapounamu EWS	701	8.8	2.4	5.6	..	12.5	31	-1.7	2	151	23	..	21	22	..
Taupo AWS	400	11.6	5.0	8.3	+1.1	13.9	25	-3.1	19	104	19	+17	22	10	..
Motu EWS	488	12.5	2.7	7.6	+1.1	17.2	30	-4.0	2	224	18	+16	43	11	..
Auckland, Mangere 2 E	16	15.3	9.1	12.2	..	19.5	11	2.9	19	168	28	..	19	22	156
Auckland Aero	7	15.1	9.1	12.1	+0.5	19.6	11	3.3	19	189	26	+78	27	20	..
Auckland Aero Backup	7	15.0	9.1	12.1	..	19.4	11	3.2	19	..	..	..	..	..	..
Ardmore Aero AWS	41	15.3	7.6	11.5	..	18.0	10	1.0	1	..	..	..	..	..	..
Pukekohe EWS	88	14.4	7.7	11.1	+0.3	17.7	11	1.7	1	178	27	+35	19	22	..
Firth Of Thames EWS	3	15.0	7.1	11.1	..	17.0	25	0.6	19	132	25	..	23	20	..
Whatawhata 2 EWS	118	12.5	5.7	9.1	-1.0	15.2	8	-1.3	19	191	27	+24	19	11	..
Hamilton, Ruakura 2 E	45	14.7	6.4	10.6	+0.8	16.8	30	-0.8	1	133	26	+23	18	11	145
Hamilton AWS	53	14.6	5.9	10.3	+0.7	16.5	30	-1.7	19	131	25	+12	18	17	..
Lake Karapiro CWS	55	14.6	7.3	11.0	..	17.3	11	2.6	1	136	23	..	17	20	..
Port Taharoa AWS	27	14.5	9.4	12.0	+0.6	16.3	30	3.2	19	121	24	..	21	11	..
Waikeria EWS	37	14.6	4.8	9.7	..	16.4	8	-2.9	19	167	24	..	25	11	133
Te Kuiti EWS	61	15.3	5.0	10.2	+0.6	17.2	8	-2.3	19	185	24	+45	29	10	126
Pureora Forest CWS	549	9.9	4.0	7.0	..	12.0	9	-1.1	20	189	25	..	29	10	..
Taumarunui EWS	170	13.4	4.4	8.9	..	15.9	28	-2.4	19	..	..	..	..	..	..
Taumarunui AWS	195	13.1	3.6	8.4	..	15.9	28	-3.9	19	..	..	..	..	..	110
Turangi 2 EWS	360	11.7	3.5	7.6	+0.3	14.6	31	-4.9	19	161	22	+9	28	11	142
New Plymouth AWS	30	14.2	7.1	10.7	+0.5	16.2	10	0.6	19	..	..	..	..	..	184

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		Means of		Mean of A and B	Difference From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Difference From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall	Date	
	Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm		mm	mm	Hrs	
Lower Retaruke CWS	233	12.6	5.1	8.9	..	15.4	28	-3.0	19	199	26	+47	21	8	..
Mt Ruapehu, Chateau E	1097	5.5	-0.2	2.7	-0.6	9.8	31	-7.0	19	23	3	-218	14	12	..
Pahiatua EWS	110	13.5	4.0	8.8	..	16.6	31	-2.2	20	167	23	..	35	17	..
Masterton Aero AWS	138	13.7	1.9	7.8	..	17.7	30	-5.0	20	54	18	..	17	12	..
Masterton EWS	90	13.6	1.2	7.4	..	17.1	28	-4.4	20	76	18	..	23	17	185
Masterton, Te Ore Ore	110	13.8	2.4	8.1	..	17.2	8	-3.0	20	86	16	+3	28	17	..
Takapau Plains AWS	330	12.0	4.1	8.1	+0.3	14.5	17	-4.0	20	73	19	..	18	17	..
Dannevirke EWS	207	12.8	5.2	9.0	..	15.1	31	-2.4	20	70	21	..	20	17	129
Cape Turnagain AWS	292	11.0	6.9	9.0	..	13.2	9	4.0	5	..	..	..	..	..	..
Akitio EWS	245	11.8	5.7	8.8	..	14.2	31	1.5	19	66	16	..	22	17	177
Castlepoint AWS	120	13.0	7.4	10.2	+0.0	15.8	25	3.4	19	59	14	-30	24	12	..
Baring Head	79	12.3	6.7	9.5	..	15.5	25	0.4	19	62	10	..	22	10	..
Te Wharau, Brackenfie	292	12.9	3.2	8.1	..	15.6	9	-1.6	20	92	15	..	21	17	..
Martinborough EWS	20	13.8	4.0	8.9	+0.0	16.4	25	-2.0	19	75	14	..	18	12	164
Ngawi AWS	6	14.1	8.5	11.3	+0.5	17.7	25	3.1	19	68	15	..	19	10	..
Hicks Bay AWS	46	15.3	8.5	11.9	+0.5	17.5	31	3.2	1	138	17	+5	40	23	..
Gisborne AWS	5	15.7	5.9	10.8	+0.5	19.0	26	0.1	16	..	..	..	..	..	206
Gisborne EWS	12	16.3	5.4	10.9	..	19.6	30	0.5	16	29	10	..	11	23	..
Tolaga Bay WXT AWS	12	15.4	7.3	11.4	..	19.2	11	1.1	16	47	12	..	16	21	..
Tutira CWS	235	13.8	4.8	9.3	..	16.7	25	-0.6	20	39	11	..	10	17	..
Napier Aero AWS	3	16.0	4.8	10.4	+0.7	19.7	26	-2.2	20	26	13	-28	8	17	..
Napier EWS	7	16.0	5.3	10.7	..	19.9	26	-0.8	20	27	12	..	9	17	210
Maraekakaho CWS	150	14.9	3.0	9.0	..	18.1	17	-1.9	20	24	11	..	6	17	..
Hastings AWS	16	15.8	3.6	9.7	..	19.2	25	-1.8	20	31	16	..	8	17	..
Ashcott Road CWS	212	13.3	4.0	8.7	..	16.1	8	-3.4	20	36	14	..	11	17	..
Waipawa EWS	130	14.9	2.5	8.7	..	17.8	22	-3.0	20	30	13	..	12	17	175
Wairoa, North Clyde E	15	16.5	4.8	10.7	+0.7	20.0	25	-0.7	20	66	11	-33	27	17	..
Wairoa Aero AWS	13	15.1	3.8	9.5	..	18.7	25	-1.1	20	78	15	..	29	17	..
Mahia Radar WXT AWS	419	11.2	6.7	9.0	..	14.0	22	4.0	19	..	..	..	..	..	..
Mahia AWS	136	13.7	7.9	10.8	+0.5	17.3	26	5.7	15	81	15	-22	37	9	..
Cape Kidnappers WXT A	118	13.6	8.5	11.1	..	17.2	26	5.0	5	..	..	..	..	..	..
Paraparaumu Aero	5	13.8	5.9	9.9	+0.5	16.0	25	-2.1	19	110	14	+19	32	12	174
Paraparaumu Aero AWS	5	13.8	5.8	9.8	+0.4	16.0	25	-1.9	19	..	..	..	..	..	183
Paraparaumu EWS	5	13.8	5.6	9.7	..	16.1	25	-2.1	19	102	13	+14	29	12	182
Ohakea AWS	50	13.5	6.5	10.0	..	16.3	10	0.0	19	89	17	..	15	17	..
Palmerston North AWS	40	13.5	5.8	9.7	+0.5	15.6	20	-0.1	1	98	21	+29	20	12	..
Palmerston North EWS	21	13.5	5.0	9.3	-0.1	15.9	20	-0.9	20	117	18	+37	25	17	124
Levin AWS	14	13.7	5.6	9.7	+0.3	15.6	28	-1.4	19	..	..	..	..	..	..
Levin EWS	23	13.3	5.2	9.3	..	15.3	25	-2.1	19	181	15	..	37	17	177
Mana Island AWS	100	11.9	7.5	9.7	..	13.7	25	2.0	19	69	11	..	19	12	..
Porirua, Elsdon Park	7	13.7	5.5	9.6	..	16.1	25	-2.0	19	79	17	..	20	12	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	166
Wellington, Kelburn A	125	12.6	6.8	9.7	+0.3	..	..	..	..	..	..	..	..	..	..
Wellington Aero	4	13.5	7.5	10.5	+0.3	17.2	25	0.7	19	98	13	+5	23	10	..
Wellington, Greta Poi	3	14.8	7.4	11.1	..	20.7	31	1.9	19	89	13	..	27	17	..
Wellington Aero Backu	4	13.5	7.6	10.6	..	17.2	25	0.8	19	99	14	..	23	10	..
Upper Hutt, Trentham	50	13.5	2.8	8.2	..	16.3	31	-4.9	19	100	13	..	23	11	175
Stratford EWS	280	13.6	5.4	9.5	+1.3	15.6	31	-2.0	19	156	22	-34	19	12	158
Hawera AWS	98	13.2	7.0	10.1	+1.1	15.9	10	-1.9	19	89	19	-10	14	9	..
Ohakune EWS	607	11.0	2.6	6.8	+0.6	13.9	9	-5.4	19	181	26	+61	17	10	..
Waiouru Treatment Pla	806	8.5	1.8	5.2	+0.3	11.4	10	-3.9	19	176	26	+81	21	2	..
Waiouru Airstrip AWS	818	8.1	1.7	4.9	..	11.1	10	-4.2	20	144	27	..	14	10	..
Waiouru EWS	803	8.1	1.9	5.0	..	11.2	10	-3.9	19	..	..	..	..	..	..
Flat Hills WXT AWS	263	12.0	5.7	8.9	..	14.3	31	-1.7	19	131	28	+53	23	12	..
Wanganui, Spriggens Pa	15	14.1	7.1	10.6	+0.4	..	..	..	..	..	..	..	..	..	..
Wanganui AWS	8	14.0	7.8	10.9	+0.8	16.8	10	0.3	19	77	20	+2	13	11	..
Wanganui 2 AWS	18	15.2	7.3	11.3	..	18.0	10	-1.0	19	..	..	..	..	..	..
Takaka EWS	20	13.8	1.2	7.5	-1.2	17.3	24	-2.3	18	130	16	-53	27	10	211
Farewell Spit AWS	3	14.2	7.6	10.9	+0.5	16.7	28	4.0	1	..	..	..	..	..	..
Westport Aero AWS	2	12.8	5.3	9.1	-0.2	14.5	28	1.3	5	271	27	+79	38	10	..
Westport EWS	6	12.5	5.2	8.9	..	14.4	29	0.6	1	258	26	..	40	10	156
Arapito EWS	3	13.3	5.0	9.2	..	15.9	9	0.2	18	305	27	..	29	10	118
Hokitika Aero	39	11.7	3.6	7.7	-0.7	15.0	9	-1.6	1	344	28	+113	54	10	126

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		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm		mm	mm		Hrs	
Hokitika AWS	38	11.6	3.6	7.6	-0.7	14.6	9	-1.5	1	348	27	+105	54	10	147
Hokitika EWS	39	11.8	3.5	7.7	..	15.2	9	-1.7	1	316	25	..	49	10	..
Reefton EWS	198	11.6	2.6	7.1	+0.0	14.8	23	-3.2	19	262	29	+90	55	10	120
Greymouth Aero EWS	5	12.8	3.1	8.0	..	..	..	-3.1	4	290	25	..	84	10	139
Pigeon Creek CWS	105	12.2	3.4	7.8	..	..	..	..	..	468	25	..	102	16	..
Mt Philistine EWS	1655	0.7	-4.4	-1.9	..	7.6	31	-10.1	5	86	25	..	15	31	..
Mahanga EWS	1995	0.0	-6.4	-3.2	..	6.3	15	-11.8	5	94	26	..	16	15	..
Ivory Glacier CWS	1390	4.2	-5.6	-0.7	..	16.6	23	-12.3	5	103	22	..	13	9	..
Franz Josef EWS	80	10.9	2.5	6.7	-0.9	13.4	9	-2.8	5	323	23	..	70	16	151
Haast AWS	5	11.3	3.6	7.5	-0.7	13.2	31	-0.9	5	..	..	..	..	..	..
Milford Sound	3	10.5	2.3	6.4	-0.5	13.7	19	-0.7	19	517	24	+54	68	16	..
Milford Sound AWS	3	10.0	2.4	6.2	-0.5	14.4	31	-0.5	19	..	..	..	..	..	..
Castle Mount EWS	2000	-1.5	-7.4	-4.5	..	0.7	12	-12.3	5	301	19	..	190	19	..
Secretary Island AWS	19	11.2	6.0	8.6	-0.7	..	..	1.6	5	..	..	..	..	..	..
Puysegur Point AWS	44	10.8	6.2	8.5	-0.1	14.6	19	2.6	5	336	28	+143	63	25	..
Stephens Island	187	12.8	7.9	10.4	+0.9	15.0	9	3.5	18	71	13	..	20	17	..
Stephens Island AWS	180	12.3	8.0	10.2	..	14.6	28	4.7	5	68	15	..	24	17	..
Motueka, Riwaka EWS	8	13.8	1.8	7.8	-0.5	17.4	24	-2.0	19	..	..	..	..	..	..
Nelson Aero	2	13.5	3.8	8.7	+0.3	18.4	31	-1.2	19	85	15	+3	27	20	203
Richmond EWS	1	13.9	2.9	8.4	..	18.4	31	-1.8	19	68	13	..	20	20	216
Nelson AWS	4	13.3	4.1	8.7	+0.0	18.5	31	-0.5	5	..	..	..	..	..	..
Blenheim Research EWS	4	14.5	3.0	8.8	-0.1	20.1	25	-1.2	18	57	8	-3	14	10	222
Wairau Valley, Mill R	172	12.8	2.7	7.8	..	18.1	25	-1.8	19	94	13	..	26	20	..
Blenheim Aero AWS	35	14.4	1.0	7.7	-0.6	19.5	25	-3.6	18	60	12	-1	13	10	..
Brothers Island AWS	68	13.3	8.9	11.1	+0.5	15.9	25	5.0	18	75	12	..	26	17	..
Grassmere Salt Works	2	13.7	4.8	9.3	-0.2	20.0	25	1.2	2	38	7	-16	14	17	..
Cape Campbell AWS	2	12.3	7.5	9.9	+0.2	16.7	25	3.8	1	31	9	-12	14	10	..
Boyle River Lodge	600	10.2	0.1	5.2	+0.1	17.0	31	-6.0	5	175	24	+6	39	10	..
Hanmer Forest EWS	363	13.8	-1.4	6.2	+0.3	18.8	31	-6.6	5	54	16	-53	14	17	..
Kaikoura, Middle Cree	5	12.6	1.8	7.2	..	16.6	9	-2.5	19	34	15	..	14	17	..
Kaikoura AWS	105	12.5	5.9	9.2	+0.4	16.9	29	1.5	19	31	10	-36	8	26	..
Arthurs Pass	745	6.4	-0.8	2.8	-0.5	10.0	9	..	..	319	..	-33	61	16	..
Arthurs Pass EWS	745	6.4	-0.9	2.8	-0.3	10.0	9	-5.9	5	324	26	+34	58	16	..
Arthurs Pass AWS	743	6.2	-0.6	2.8	..	9.6	9	-5.3	5	..	..	..	..	..	..
Culverden AWS	181	13.0	1.5	7.3	..	17.1	31	-4.5	19	50	10	..	25	26	..
Medbury CWS	232	13.3	2.0	7.7	..	18.5	31	-4.7	19	46	10	..	19	26	..
Balmoral East CWS	172	13.1	-0.2	6.5	..	17.6	19	-6.2	19	36	7	..	19	26	..
Waipara North Branch	560	10.6	2.3	6.5	..	15.7	31	-4.1	19	69	13	..	19	26	..
Waiiau School CWS	136	13.9	1.8	7.9	..	17.8	9	-4.3	5	41	12	..	17	26	..
Upper Rakaia EWS	1752	2.2	-4.2	-1.0	..	8.6	15	-9.2	18	42	18	..	11	11	..
Mt Potts EWS	2128	-1.0	-7.7	-4.4	..	5.2	9	-13.6	18	2	3	..	2	30	..
Mt Cook EWS	730	8.6	-0.9	3.9	-0.1	16.2	31	-6.5	5	225	24	-76	45	16	119
Mueller Hut EWS	1818	1.1	-5.7	-2.3	..	8.2	31	-11.3	18	47	14	..	12	18	..
Mt Cook Aero AWS	659	9.0	-1.8	3.6	..	15.9	31	-8.8	12	157	19	..	48	20	..
Methven CWS	313	12.9	2.3	7.6	..	18.7	31	-3.3	19	63	11	..	18	16	..
Winchmore 2 EWS	164	12.8	0.6	6.7	..	18.6	31	-3.4	5	50	10	..	16	16	205
Chertsey CWS	108	12.9	2.6	7.8	..	18.5	31	-0.8	5	38	10	..	15	16	..
Mayfield at Ruapuna F	325	12.5	0.9	6.7	..	18.5	31	-4.7	19	86	17	..	22	9	..
Peel Forest	286	12.8	0.4	6.6	+0.3	18.5	31	-3.7	19	95	14	+20	23	16	..
Lismore, Racemans Hou	168	12.8	1.8	7.3	..	17.8	31	-3.5	19	63	11	..	18	9	..
Ashburton Council	101	14.5	3.5	9.0	+1.6	20.0	28	..	..	56	12	-6	15	16	..
Ashburton Aero AWS	89	13.2	1.6	7.4	..	18.5	31	-3.1	5	51	11	..	19	16	205
Wakanui 2 CWS	53	13.0	2.2	7.6	..	18.0	28	-1.8	6	39	11	..	12	16	..
Waipara West EWS	130	14.1	3.0	8.6	..	19.3	25	-2.3	5	45	7	..	12	26	184
West Eyreton, Larunde	88	13.0	0.9	7.0	..	19.3	31	-4.6	19	..	..	..	..	..	..
Ohoka CWS		13.1	0.6	6.9	..	19.0	31	-3.9	6	28	14	..	12	10	..
Rangiora EWS	23	13.5	0.6	7.1	-0.2	19.1	31	-3.9	6	24	7	..	12	10	183
Christchurch Aero	37	13.5	0.8	7.2	+0.0	18.3	25	-4.4	6	40	14	-22	15	10	205
Christchurch Aero Bac	37	13.4	1.0	7.2	..	18.5	31	-3.9	6	39	13	..	14	10	..
Christchurch Gardens	7	14.0	2.3	8.2	+0.3	19.9	31	-2.5	6	33	11	-31	10	10	..
Christchurch, Kyle St	6	14.2	2.0	8.1	+0.4	19.7	25	-3.4	6	28	8	..	10	10	..
Lincoln, Broadfield E	18	13.2	2.5	7.9	+0.3	17.8	25	-3.0	6	42	8	-19	16	10	200
Sugar Loaf AWS	496	10.8	3.4	7.1	..	17.9	31	-0.1	5	..	..	..	..	..	..



Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine
		Means of		Mean of A and B	Difference From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Difference From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm		mm	mm		Hrs	
Solomon, Munda	6	..	24.0	..	..	..	..	..	..	..	..	..	..	..	
Solomon, Honiara	56	32.0	24.2	28.1	..	..	..	..	..	..	..	..	..	..	
Solomon, Henderson	9	32.0	22.9	27.5	..	34.3	14	..	..	..	..	..	..	..	
Solomon, Santa Cruz	24	..	23.7	..	..	..	..	..	..	..	..	..	..	..	
Vanuatu,Sola	13	..	24.4	..	..	..	..	..	..	..	..	..	..	..	
Vanuatu,Pekoa	56	..	22.4	..	..	..	..	19.2	1	..	..	..	..	..	
Vanuatu, Bauerfield	20	26.9	18.5	22.7	..	..	..	..	..	..	..	..	..	..	
Vanuatu,Burtonfield	70	26.9	18.3	22.6	..	..	..	10.5	4	..	..	..	..	..	
Vanuatu,Aneityum	6	25.4	..	..	..	..	..	..	..	..	..	..	..	..	
New Cal, Koumac	18	25.3	16.4	20.9	..	29.2	9	13.4	3	20	6	..	12	10	
New Cal, Oulop	7	24.8	18.9	21.9	..	27.0	10	9.4	23	..	..	..	..	..	
New Cal, Ouanaham	29	24.6	16.7	20.7	..	28.3	11	8.2	23	..	..	..	..	..	
New Cal, Poinoimie	13	25.4	17.2	21.3	..	28.5	9	14.7	1	40	17	..	19	31	
New Cal, La Roche	42	24.6	14.5	19.6	..	27.4	23	5.7	23	..	..	..	..	..	
New Cal, La Tontouta	14	24.9	14.6	19.8	..	30.1	8	9.4	22	..	..	..	..	..	
New Cal, Nouma	72	24.5	16.7	20.6	..	27.8	8	14.1	3	21	14	..	10	10	
New Cal, Moue	97	23.1	16.3	19.7	..	26.8	8	11.8	22	..	..	..	..	..	
Kiribati,Butaritari	2	32.0	25.0	28.5	..	..	..	..	..	..	..	..	..	..	
Kiribati,Tarawa	2	..	26.0	..	..	..	..	..	..	..	..	..	..	..	
Kiribati, Bonriki Int	4	32.0	26.0	29.0	..	33.5	14	..	..	..	..	..	..	..	
Kiribati,Beru	2	..	26.1	..	..	..	..	..	..	..	..	..	..	..	
Tuvalu,Funafuti Aero	1	31.8	25.9	28.9	..	..	..	..	..	..	..	..	..	..	
Tuvalu, Niulakita Is	3	..	25.6	..	..	..	..	..	..	..	..	..	..	..	
Fiji,Nadi Aero	15	30.0	21.0	25.5	..	32.6	23	..	..	..	..	..	..	..	
Fiji, Nadi EWS	15	29.4	21.2	25.3	..	32.6	23	19.1	28	21	4	..	16	23	
Fiji,Nausori Aero	6	27.0	21.2	24.1	..	30.5	23	19.4	26	..	..	..	..	..	
Wallis Island, Hihifo	27	30.4	25.4	27.9	..	31.3	24	23.4	4	..	..	..	..	..	
Maopoopo, Futuna Isla	36	29.5	24.9	27.2	..	32.3	23	23.6	30	..	..	..	..	..	
Samoa,Faleolo	4	31.3	22.7	27.0	..	..	..	..	..	..	..	..	..	..	
Samoa, Apia	1	30.2	24.2	27.2	..	..	..	..	..	..	..	..	..	..	
Samoa, Pago Pago Aero	3	29.8	25.6	27.7	..	..	..	..	..	..	..	..	..	..	
Tonga, Queen Lavinia	60	28.8	22.6	25.7	..	..	..	..	..	..	..	..	..	..	
Tonga,Keppel	2	29.0	23.1	26.1	..	..	..	..	..	..	..	..	..	..	
Tonga, Lupepauu	67	26.8	21.1	24.0	..	..	..	..	..	..	..	..	..	..	
Salote Pilolevu Airpo	2	26.2	22.1	24.2	..	..	..	..	..	..	..	..	..	..	
Tonga,Fuaamotu Aero	38	25.5	19.6	22.6	..	..	..	..	..	..	..	..	..	..	
Niue, Hanan Airport O	59	..	20.0	..	..	..	..	..	..	..	..	..	..	..	
CI Rarotonga Aero	7	27.1	20.6	23.9	..	..	..	..	..	..	..	..	..	..	
Hiva Hoa, Atuona	51	28.8	23.2	26.0	..	30.6	16	21.7	11	89	24	..	17	16	
Tahiti - Faaa	1	29.6	22.9	26.3	..	31.6	30	21.4	23	12	5	..	10	30	
Tuamotu, Takaroa	2	29.4	24.7	27.1	..	30.2	29	23.3	26	..	..	..	..	..	
Tuamotu, Hao	3	28.1	23.9	26.0	..	29.2	5	22.2	26	..	..	..	..	..	
Gambier, Rikitea	91	23.9	19.8	21.9	..	26.2	15	17.6	2	24	13	..	11	31	
Tubuai	2	24.9	19.7	22.3	..	26.6	19	16.4	5	..	..	..	..	..	
Rapa	1	21.5	17.1	19.3	..	23.9	20	12.8	7	232	22	..	56	29	
Raoul Island AWS	49	19.6	13.4	16.5	..	22.0	11	9.6	7	6	8	..	3	11	
Enderby Is AWS	40	..	3.5	..	..	..	..	-0.5	5	..	..	..	..	..	
Campbell Island AWS	19	6.4	1.6	4.0	-1.3	9.5	19	-1.6	5	136	29	+31	12	28	
Chatham Island Aero A	12	12.1	5.7	8.9	..	..	..	..	..	..	..	..	..	..	
Georg Von Neumayer	40	-24.9	-34.7	-29.8	..	-14.1	19	-43.6	2	..	..	..	..	..	
Ant South Pole	2827	-58.1	-65.6	-61.9	..	-45.2	23	-77.3	4	..	..	..	..	..	
Halley Bay	30	-25.7	-35.9	-30.8	..	-14.1	20	-45.4	13	..	..	..	..	..	
Gen Belgrano 2	256	-17.3	-25.2	-21.3	..	-7.0	21	-41.0	13	..	..	..	..	..	
Bellingshausen	16	-2.6	-7.7	-5.2	..	1.5	26	..	..	..	..	..	..	..	
Base Jubany	4	-1.7	-8.2	-5.0	..	3.2	24	-17.0	17	..	..	..	..	..	
V C Marambio	198	-7.4	-16.9	-12.2	..	4.0	26	-26.5	1	..	..	..	..	..	
Eduardo Frei	10	-3.2	-7.3	-5.3	..	1.1	28	..	..	..	..	..	..	..	
Arturo Prat		-2.2	-7.0	-4.6	..	3.5	18	-14.8	18	..	..	..	..	..	
Great Wall	10	-2.9	-7.8	-5.4	..	..	..	..	..	..	..	..	..	..	
Bernado Ohiggins	10	-5.4	-8.4	-6.9	..	..	..	..	..	..	..	..	..	..	
Palmer Station	8	-3.0	-7.6	-5.3	..	..	..	..	..	..	..	..	..	..	
Rothera Point	16	-6.5	-13.4	-10.0	..	1.1	25	-23.8	1	..	..	..	..	..	
Argentine Is, Faraday	11	-3.5	-8.4	-6.0	..	5.2	27	-12.5	17	..	..	..	..	..	

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine
		Means of		Mean of A and B	Difference From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Difference From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm		mm	mm		Hrs	
Gen San Martin	4	-5.5	-15.3	-10.4	..	..	..	..	..	..	..	..	..	..	
Novolax Arevskaja	99	-16.9	-21.9	-19.4	..	-7.8	20	-33.8	16	..	..	..	..	..	
Maitri		-16.1	-23.0	-19.6	..	..	..	..	..	..	..	..	..	..	
Syowa	21	-14.1	-22.2	-18.2	..	-7.5	31	-31.1	15	..	..	..	..	..	
Mawson	16	-13.3	-21.7	-17.5	..	-7.3	22	..	..	..	..	..	..	..	
Davis	13	-11.3	-18.0	-14.7	..	-5.2	5	-32.6	19	..	..	..	..	..	
Progress	64	-11.3	-15.4	-13.4	..	-4.3	22	-36.4	17	..	..	..	..	..	
Mirnyj	30	-11.9	-16.0	-14.0	..	..	..	-31.0	2	..	..	..	..	..	
Vostok	3420	-61.6	-67.8	-64.7	..	-46.1	12	-77.4	19	..	..	..	..	..	
Casey	41	-11.0	-19.0	-15.0	..	..	..	-28.7	28	..	..	..	..	..	
Durmont Durville	43	-14.3	-19.8	-17.1	..	-9.3	3	-26.7	21	..	..	..	..	..	
Mcmurdo	24	-19.0	-27.1	-23.1	..	-10.1	12	-42.9	9	18	8	..	4	26	
Ant Scott Base	19	-20.1	-31.3	-25.7	..	-10.4	12	-49.1	9	..	..	..	..	..	
Ant Arrival Heights E	218	-20.8	-28.7	-24.8	..	-11.9	12	-43.6	9	..	..	..	..	..	
Ant Scott Base EWS	20	-20.3	-31.3	-25.8	..	-10.7	12	-49.9	9	8	7	..	7	26	
Darwin Airport	31	31.5	13.4	22.5	..	34.9	27	9.6	7	..	..	..	..	..	
Hobart Airport	4	19.9	4.7	12.3	..	30.5	8	0.4	8	..	..	..	..	..	

Late returns and corrections for July 2019

Auckland, Motat EWS	16	15.2	6.1	10.7	..	17.2	13	-0.4	7	111	21	..	27	4	156
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	140
Taupo AWS	400	12.0	4.3	8.2	+1.7	14.9	3	-1.7	28	160	21	+64	79	4	..
Taumarunui EWS	170	13.4	4.1	8.8	..	16.4	27	-0.6	1	209	22	..	34	14	..
Gisborne EWS	12	16.5	5.5	11.0	..	20.0	14	1.7	9	59	13	..	30	4	..
Whakatu EWS	5	15.7	3.4	9.6	+1.4	..	..	..	..	..	..	..	..	..	..
Waipawa EWS	130	14.9	3.3	9.1	..	18.9	14	-4.4	1	82	10	..	46	4	..
Waiouru Treatment Pla	806	9.9	2.5	6.2	+1.9	14.6	3	-1.6	1	186	21	+82	60	4	..
Taihape Rec	433	12.9	2.2	7.6	+1.5	19.6	3	-5.5	1	153	24	+74	57	4	..
Hokitika Aero	39	12.4	4.9	8.7	+1.3	16.5	25	0.6	6	450	22	+232	116	28	102
Stephens Island	187	13.2	9.3	11.3	+2.1	16.0	2	7.5	9	121	18	..	43	3	..
Grassmere Salt Works	2	14.1	6.3	10.2	+1.7	18.6	11	1.2	1	131	16	+62	38	20	..
Boyle River Lodge	600	10.4	0.4	5.4	+1.9	14.5	26	..	..	205	..	+52	31	13	..
Peel Forest	286	12.5	2.0	7.3	+2.5	20.0	3	-2.1	6	105	12	+34	39	20	..
Lismore, Racemans Hou	168	12.9	3.2	8.1	..	20.2	3	-0.8	6	98	8	..	44	20	..
Lake Tekapo EWS	762	9.5	-0.1	4.7	+3.1	15.3	3	-4.0	7	105	12	..	29	13	112
Orari Estate	81	12.7	1.6	7.2	+2.2	20.2	3	-3.1	9	94	12	+37	43	20	..
Ranfurly EWS	450	10.4	-0.8	4.8	+2.6	17.6	3	-5.2	7	34	10	+4	9	20	..
Takahe Valley CWS	895	4.8	-0.4	2.2	..	9.2	2	-3.7	18	..	..	..	..	..	..
Ophir 2	305	10.8	-1.7	4.6	..	16.9	3	-7.4	7	37	8	..	13	13	..
Invercargill Aero	1	10.9	2.9	6.9	+1.6	15.2	2	-2.1	7	65	20	-20	13	13	..
Stewart Is	3	11.0	4.1	7.6	+1.4	..	..	1.0	15	110	..	-13	24	13	..
Balclutha, Finegand	6	11.2	1.0	6.1	+0.9	17.5	3	-4.0	1	27	17	-22	6	20	51
Tautuku	25	11.4	3.6	7.5	+1.4	16.0	3	1.0	16	75	13	-28	11	14	..
Solomon, Taro Is	3	30.0	..	..	..	..	..	..	..	412	28	..	92	11	..
Vanuatu, Sola	13	..	24.0	..	..	..	..	..	..	161	16	..	46	11	..
Vanuatu, Pekoia	56	28.1	21.9	25.0	..	..	..	18.5	17	54	18	..	29	4	..
Vanuatu, Burtonfield	70	26.6	16.5	21.6	..	..	..	10.8	11	7	5	..	5	24	..
New Cal, Koumac	18	24.8	14.8	19.8	..	27.1	3	12.8	26	1	2	..	1	6	..
New Cal, Poinoimie	13	24.9	15.9	20.4	..	27.4	14	13.1	25	12	9	..	4	12	..
New Cal, Nouma	72	24.2	16.3	20.3	..	27.0	13	14.4	25	19	16	..	4	5	..
Tuamotu, Takaroa	2	28.9	24.6	26.8	..	29.8	12	23.4	4	..	..	..	..	..	..

Late returns and corrections for June 2019

Auckland, Motat EWS	16	15.0	5.8	10.4	..	17.2	15	-0.5	27	64	17	..	20	5	145
Auckland Aero Backup	7	15.4	8.2	11.8	..	17.0	10	3.3	27	..	..	..	..	..	..
Whakatu EWS	5	14.9	3.0	9.0	+0.2	21.3	21	-2.1	30	..	..	..	..	..	..
Taihape Rec	433	12.9	1.3	7.1	+0.2	17.0	14	..	..	76	16	-11	22	1	..
Hokitika Aero	39	12.4	3.4	7.9	-0.3	16.7	12	-1.5	6	124	17	-150	29	20	123
Waiiau School CWS	136	13.1	0.4	6.8	..	..	..	..	..	35	14	..	18	1	..
Mt Potts EWS	2128	1.1	-5.2	-2.1	..	6.4	9	-11.9	2	6	6	..	2	12	..
Ashburton Council	101	12.3	1.1	6.7	+0.3	..	..	..	..	19	7	-38	15	1	..
Stewart Is	3	11.0	4.7	7.9	+1.2	..	..	0.0	4	139	..	-1	20	21	..
Vanuatu, Pekoia	56	28.6	22.1	25.4	..	30.2	25	18.8	26	..	..	..	..	..	..

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall				Bright Sun-shine	
		Means of		Mean of A and B	Differ-ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ-ence From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall		Date

Metres    °C    °C    °C    °C    °C    °C    °C    °C    mm    mm    mm    Hrs

Late returns and corrections for May 2019

Auckland Aero Backup	7	18.9	11.4	15.2	..	21.0	5	7.0	1	..	..	..	..	..	..
Wairoa, North Clyde E	15	19.4	6.3	12.9	+0.7	..	..	..	..	..	..	..	..	..	..
Ranfurly EWS	450	14.1	1.6	7.9	+2.4	..	..	-4.5	21	39	11	+8	13	12	..
Manapouri Aero AWS	209	13.4	4.7	9.1	+2.3	19.0	2	-3.1	17	134	23	+32	27	26	..

Late returns and corrections for April 2019

Lake Tekapo, Air Safa	762	14.2	2.6	8.4	-0.8	19.9	9	-2.6	13	66	15	+21	15	21	..
Ant Scott Base	19	-17.2	-29.5	-23.4	..	-6.8	19	-43.4	6	..	..	..	..	..	..

The 'Normal' refers to the present site of the instruments. Standard period for normals is 1981-2010.

No normals are available for stations with only short records.

A rain day is a day with rainfall equal to or greater than 0.1 mm.

Where the extremes of temperature and rainfall occurred more than once during the month, the date of the first is given.

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