

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	
Kaitaia Aero EWS	80	22.8	14.5	18.7	+0.9	26.5	31	10.3	28	56	10	-43	22	17	..
Kaitaia Aero AWS	82	22.8	14.2	18.5	..	..	..	..	..	59	11	..	22	17	..
Kaitaia EWS	85	21.8	13.9	17.9	+0.1	25.4	31	10.2	20	69	11	-45	40	17	233
Kerikeri EWS	79	24.2	13.0	18.6	+0.8	27.3	13	8.1	19	55	10	-52	26	17	..
Kerikeri Aerodrome Aw	150	23.9	13.2	18.6	+1.0	27.8	5	8.4	19	61	12	-62	27	17	..
Kaikohe AWS	204	22.3	13.2	17.8	+0.6	26.4	31	9.9	21	60	12	-49	25	17	..
Trounson CWS	244	20.8	12.8	16.8	..	25.0	6	8.3	28	88	15	-29	42	17	..
Dargaville 2 EWS	66	22.0	14.3	18.2	+0.5	26.3	8	11.0	21	53	10	-35	31	17	209
Purerua AWS	82	22.4	14.3	18.4	..	26.2	13	10.1	29	36	9	..	18	16	..
Russell CWS	15	23.9	13.6	18.8	..	26.9	13	8.0	29	41	8	..	20	16	..
Whangarei Aero AWS	37	24.2	14.8	19.5	+1.0	28.7	7	11.7	19	48	9	-49	14	16	..
Whangarei EWS	12	24.9	13.1	19.0	..	29.2	7	9.2	28	34	11	..	15	17	243
Mokohinau AWS	60	21.2	16.4	18.8	+0.5	22.8	12	14.0	21	34	11	-50	18	17	..
Leigh 2 EWS	27	24.7	14.2	19.5	+1.4	27.5	5	11.2	21	45	11	-31	20	17	..
Warkworth EWS	72	22.9	12.2	17.6	+0.5	..	..	5.7	29	..	..	..	..	..	..
Whangaparaoa AWS	89	23.0	14.8	18.9	+1.0	25.4	11	11.1	21	45	10	-31	16	17	..
Auckland, Whenuapai A	26	23.2	13.6	18.4	+1.0	26.8	8	9.6	10	88	11	..	62	17	..
Auckland, North Shore	64	23.2	13.3	18.3	..	26.6	7	8.6	21	37	9	..	23	17	..
Auckland, Henderson N	7	24.4	13.4	18.9	+0.7	28.3	8	8.9	22	102	10	-2	78	17	..
Auckland, Sky tower	342	18.7	14.3	16.5	..	22.6	12	10.6	22	..	..	..	..	..	..
Auckland, Motat EWS	16	23.1	14.5	18.8	..	26.4	5	10.1	21	43	10	..	27	17	270
Whitianga Aero AWS	5	23.9	13.2	18.6	+0.9	27.4	5	6.1	22	..	..	..	..	..	..
Whitianga EWS	1	24.9	13.0	19.0	..	29.2	5	6.4	22	..	..	..	..	..	..
Thames 2	3	24.0	14.1	19.1	+1.0	26.9	11	7.6	22	76	14	-5	44	17	244
Paeroa AWS	18	24.1	13.2	18.7	+0.7	26.5	8	6.5	11	111	15	+17	69	17	..
Matamata, Hinuera EWS	85	24.1	11.7	17.9	+1.3	28.5	24	5.6	21	93	11	..	41	17	..
Tauranga CWS	3	23.0	15.7	19.4	..	26.9	13	10.7	22	78	13	..	43	25	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	254
Tauranga Aero AWS	4	24.1	15.1	19.6	+1.6	26.8	23	9.4	22	57	12	-38	24	25	..
Te Puke EWS	91	23.3	13.8	18.6	+1.6	25.8	11	9.0	19	174	14	+35	66	25	..
Whakatane Aero AWS	7	24.3	14.5	19.4	+1.9	28.0	12	7.6	22	99	14	+4	44	17	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	277
Whakatane EWS	1	23.6	14.2	18.9	..	27.4	11	8.9	21	110	12	..	42	25	..
White Island AWS	310	18.8	13.4	16.1	..	22.5	24	2.5	18	..	..	..	..	..	..
Mamaku Radar WXT AWS	17	18.5	11.6	15.1	..	..	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	25.4	14.0	19.7	..	..	..	..	..	..	..	..	..	..	..
Rotorua EWS	288	22.4	12.4	17.4	..	26.3	23	6.5	19	210	13	..	62	25	276
Rotorua Aero AWS	283	21.8	12.6	17.2	+1.0	25.5	23	6.8	29	153	17	+35	46	25	..
Galatea AWS	174	22.6	12.4	17.5	..	26.1	31	7.4	11	77	17	..	25	17	..
Taupo CWS	360	23.1	11.2	17.2	..	27.3	31	4.3	22	170	15	..	55	17	..
Tarapounamu EWS	701	18.7	9.2	14.0	..	23.8	31	5.2	21	157	15	..	37	17	..
Taupo AWS	400	21.4	11.2	16.3	+0.8	25.8	31	1.5	22	115	13	+21	44	17	..
Motu EWS	488	19.6	10.9	15.3	+1.0	24.7	30	5.7	30	236	18	+51	65	8	..
Auckland, Mangere 2 E	16	22.6	15.8	19.2	..	26.0	6	10.8	21	56	9	..	36	17	259
Auckland Aero	7	23.0	15.6	19.3	+1.0	26.4	7	11.0	11	51	12	-36	30	17	..
Auckland Aero Backup	7	22.9	15.6	19.3	..	26.1	7	11.1	11	52	11	..	30	17	..
Ardmore Aero AWS	41	23.4	13.4	18.4	..	..	..	..	..	..	..	..	..	..	..
Pukekohe EWS	88	22.5	13.4	18.0	+0.9	25.8	6	8.5	22	76	11	-22	31	17	..
Firth Of Thames EWS	3	23.9	12.7	18.3	..	25.2	11	6.3	29	6	9	..	4	3	..
Whatawhata 2 EWS	118	22.7	11.7	17.2	+0.4	27.0	12	5.2	22	101	12	-22	52	17	..
Hamilton, Ruakura 2 E	45	23.4	12.5	18.0	+1.0	26.7	11	5.9	29	75	12	-23	32	8	245
Hamilton AWS	53	23.8	12.0	17.9	+1.0	27.2	12	5.9	29	59	9	-46	27	17	..
Lake Karapiro CWS	55	24.4	14.5	19.5	..	29.3	24	9.4	21	96	10	..	29	12	..
Port Taharoa AWS	27	21.3	15.2	18.3	+0.6	23.6	2	9.8	22	62	12	..	23	17	..
Waikeria EWS	37	24.1	11.6	17.9	..	30.2	26	4.4	22	84	9	..	37	17	248
Te Kuiti EWS	61	24.5	10.7	17.6	+0.7	28.8	12	4.1	11	98	12	-42	39	17	232
Pureora Forest CWS	549	19.8	9.6	14.7	..	24.1	11	2.0	22	149	15	..	50	17	..
Taumarunui EWS	170	23.1	11.1	17.1	..	27.5	11	4.2	22	127	14	..	32	17	..
Taumarunui AWS	195	22.8	9.9	16.4	..	28.0	12	2.3	22	125	16	..	32	17	233
Turangi 2 EWS	360	21.5	9.6	15.6	+0.0	26.2	31	-0.3	11	141	13	+4	41	25	246
New Plymouth AWS	30	20.8	13.0	16.9	+0.7	24.2	11	6.7	27	141	14	+20	29	20	286
Lower Retaruke CWS	233	22.4	11.0	16.7	..	27.8	12	4.1	22	221	14	+72	45	12	..
Mt Ruapehu, Chateau E	1097	16.6	6.0	11.3	+0.7	23.2	31	-1.4	29	246	18	-22	71	17	..

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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		
Pahiatua EWS	110	22.0	10.8	16.4	..	25.6	1	2.1	22	128	10	..	34	17	..
Masterton Aero AWS	138	22.5	10.7	16.6	..	28.1	13	2.2	10	50	15	..	20	17	..
Masterton EWS	90	22.8	10.4	16.6	..	27.9	13	3.0	22	35	9	..	16	17	230
Masterton, Te Ore Ore	110	22.6	11.0	16.8	..	28.6	13	3.0	10	39	11	-30	18	17	..
Takapau Plains AWS	330	21.0	10.6	15.8	+0.4	26.3	13	3.4	22	59	13	..	16	20	..
Dannevirke EWS	207	21.2	11.8	16.5	..	25.6	1	2.6	22	71	11	..	17	20	166
Cape Turnagain AWS	292	17.9	12.7	15.3	..	23.9	7	8.8	19	45	14	..	9	17	..
Akitio EWS	245	20.2	12.0	16.1	..	25.9	1	6.0	22	49	14	..	14	17	232
Castlepoint AWS	120	20.0	13.4	16.7	+0.3	25.9	13	8.8	22	43	12	-13	18	17	..
Baring Head	79	18.1	12.9	15.5	..	..	..	8.4	18	66	12	..	20	7	..
Te Wharau, Brackenfie	292	20.8	10.7	15.8	..	29.0	31	3.8	..	55	10	..	24	17	..
Martinborough EWS	20	22.0	11.5	16.8	+0.4	25.5	13	3.3	10	58	13	..	28	17	181
Ngawi AWS	6	21.2	14.2	17.7	+0.4	25.9	13	10.1	18	78	9	..	32	17	..
Hicks Bay AWS	46	21.5	15.2	18.4	+1.2	24.1	31	10.1	19	56	15	-43	19	17	..
Gisborne AWS	5	23.4	13.7	18.6	+0.5	28.7	17	8.4	29	86	11	+29	27	25	218
Gisborne EWS	12	23.9	13.6	18.8	..	28.8	17	9.4	29	75	12	..	22	25	..
Tolaga Bay WXT AWS	12	22.2	13.9	18.1	..	28.4	6	8.1	19	98	13	..	26	25	..
Tutira CWS	235	21.3	12.7	17.0	..	26.1	30	6.8	19	85	14	..	27	25	..
Napier Aero AWS	3	24.2	13.6	18.9	+1.2	30.1	6	7.7	11	63	9	+4	18	25	..
Napier EWS	7	23.8	14.6	19.2	..	29.5	6	8.1	22	62	10	..	18	25	244
Maraekakaho CWS	150	23.6	12.0	17.8	..	29.1	6	4.8	29	37	9	..	11	17	..
Hastings AWS	16	24.7	13.4	19.1	..	29.8	4	7.0	11	46	10	..	13	18	..
Whakatu EWS	5	23.6	12.3	18.0	+1.3	28.1	8	5.5	29	43	11	..	11	17	..
Ashcott Road CWS	212	22.4	11.3	16.9	..	29.2	13	3.5	11	44	11	..	14	17	..
Waipawa EWS	130	23.8	10.5	17.2	..	30.2	13	2.8	22	37	10	..	16	17	191
Wairoa, North Clyde E	15	24.9	14.2	19.6	+1.5	30.4	6	9.0	19	134	12	+65	26	23	..
Wairoa Aero AWS	13	22.8	12.7	17.8	..	28.4	6	6.9	22	126	13	..	23	24	..
Mahia Radar WXT AWS	419	19.1	13.3	16.2	..	..	..	..	..	..	..	..	..	..	..
Mahia AWS	136	20.9	14.3	17.6	+0.7	..	..	10.1	19	128	14	+59	38	11	..
Cape Kidnappers WXT A	118	19.9	15.3	17.6	..	..	..	10.5	19	..	..	..	..	..	..
Paraparaumu Aero	5	20.5	12.8	16.7	+0.7	24.7	12	7.3	22	152	16	+60	36	17	246
Paraparaumu Aero AWS	5	20.4	13.0	16.7	+0.7	25.0	12	7.6	22	128	15	+43	35	17	261
Paraparaumu EWS	5	20.4	12.6	16.5	..	24.9	12	7.3	22	143	15	+65	34	17	254
Ohakea AWS	50	21.3	12.3	16.8	..	25.5	7	5.9	22	29	27	..	6	3	..
Palmerston North AWS	40	21.7	12.1	16.9	+0.5	25.7	16	4.8	22	92	11	-4	21	8	..
Palmerston North EWS	21	21.3	12.5	16.9	+0.5	25.3	1	6.9	22	124	13	+34	26	8	205
Levin AWS	14	21.0	12.7	16.9	+0.8	24.4	16	5.4	10	90	15	-12	18	3	..
Levin EWS	23	20.8	12.1	16.5	..	24.1	16	4.9	10	103	15	..	20	3	258
Mana Island AWS	100	17.4	12.9	15.2	..	20.2	16	8.8	19	156	14	..	50	7	..
Porirua, Elsdon Park	7	19.7	12.8	16.3	..	21.9	11	6.3	10	..	..	..	..	..	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	241
Wellington, Kelburn A	125	18.8	12.7	15.8	+0.4	22.4	11	8.5	18	..	..	..	..	..	237
Wellington Aero	4	19.6	13.8	16.7	+0.2	22.6	3	9.1	10	107	12	+42	25	17	..
Wellington, Greta Poi	3	20.3	13.7	17.0	..	23.5	31	9.2	10	112	11	..	37	17	..
Wellington Aero Backu	4	19.7	13.9	16.8	..	22.7	3	9.2	10	106	12	..	25	17	..
Upper Hutt, Trentham	50	21.5	11.4	16.5	..	24.8	16	2.7	10	156	13	..	64	7	234
Stratford EWS	280	20.2	11.3	15.8	+1.4	24.2	30	7.1	21	235	16	+70	42	17	242
Hawera AWS	98	19.6	12.6	16.1	+0.8	..	..	..	..	..	..	..	..	..	..
Ohakune EWS	607	20.8	9.0	14.9	+0.9	26.1	31	1.0	22	139	15	+17	41	8	..
Waiouru Treatment Pla	806	18.9	7.5	13.2	+0.6	23.1	31	0.0	22	107	13	+17	23	20	..
Waiouru Airstrip AWS	818	17.9	7.8	12.9	..	21.1	12	-1.0	22	113	14	..	23	17	..
Waiouru EWS	803	18.6	8.2	13.4	..	22.8	31	-0.2	22	124	14	..	26	20	..
Flat Hills WXT AWS	263	20.5	11.8	16.2	..	23.8	7	4.5	22	..	..	..	..	..	..
Wanganui, Spriggens Pa	15	21.3	12.9	17.1	+0.2	26.3	7	6.9	22	96	10	+10	19	8	..
Wanganui AWS	8	21.1	13.1	17.1	+0.5	25.8	1	7.8	11	75	12	-17	18	17	..
Wanganui 2 AWS	18	22.2	12.9	17.6	..	..	..	..	..	..	..	..	..	..	..
Takaka EWS	20	22.1	10.7	16.4	+0.4	26.4	27	6.1	19	263	11	+95	68	2	254
Farewell Spit AWS	3	22.4	13.5	18.0	+1.7	25.3	30	10.5	10	172	17	+83	38	17	..
Westport Aero AWS	2	18.2	11.4	14.8	-0.2	20.4	12	6.5	21	242	15	+52	53	2	..
Westport EWS	6	18.4	11.3	14.9	..	21.8	12	6.0	21	242	15	..	59	2	219
Arapito EWS	3	19.9	11.3	15.6	..	22.5	12	6.3	21	218	14	..	46	2	190
Hokitika Aero	39	17.5	10.6	14.1	-0.3	19.7	12	5.7	9	329	19	+32	52	2	152
Hokitika AWS	38	17.4	10.5	14.0	-0.4	19.6	12	5.5	9	332	19	+31	56	2	189

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Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm		mm	mm	Hrs		
Hokitika EWS	39	17.4	10.5	14.0	..	19.8	17	5.7	9	311	19	..	54	2	..
Reefton EWS	198	20.1	9.5	14.8	-0.6	27.5	12	4.2	10	292	16	+104	89	2	178
Greymouth Aero EWS	5	18.1	11.0	14.6	..	19.9	12	7.1	9	242	16	..	56	2	184
Pigeon Creek CWS	105	17.7	9.9	13.8	..	25.1	12	5.1	9	534	21	..	125	2	..
Mt Philistine EWS	1655	8.2	2.0	5.1	..	18.1	31	-1.8	9	1123	23	..	239	2	..
Mahanga EWS	1995	8.3	0.9	4.6	..	16.8	31	-3.4	19	527	24	..	153	2	..
Ivory Glacier CWS	1390	8.6	2.5	5.6	..	14.5	31	-0.9	5	1735	22	..	403	2	..
Franz Josef EWS	80	17.1	9.4	13.3	-0.5	20.9	12	4.6	9	705	20	..	186	6	160
Haast AWS	5	16.2	9.3	12.8	-0.6	18.5	16	4.6	28	445	21	..	80	2	..
Milford Sound AWS	3	16.7	9.0	12.9	-0.9	21.0	18	5.6	21	892	27	..	243	2	..
Milford Sound EWS	3	16.3	8.9	12.6	..	20.9	18	5.8	21	947	25	..	271	2	..
Castle Mount EWS	2000	4.2	-2.9	0.7	..	14.6	31	-6.2	28	770	28	..	182	6	..
Secretary Island AWS	19	15.7	10.1	12.9	-0.4	..	..	7.7	21	..	..	..	..	..	..
Puysegur Point AWS	44	14.8	9.9	12.4	-0.1	22.2	31	7.1	5	287	25	+80	47	19	..
Stephens Island AWS	180	17.3	..	..	..	..	..	..	..	108	10	..	28	7	..
Motueka, Riwaka EWS	8	21.9	10.7	16.3	+0.0	..	..	..	..	..	..	..	..	..	..
Pelorus Sd, Crail Bay	13	20.4	12.7	16.6	+0.2	24.5	11	8.9	21	238	13	+79	49	16	..
Nelson Aero	2	20.5	12.6	16.6	+0.3	24.7	30	7.1	21	155	11	+71	55	17	254
Appleby 2 EWS	18	21.1	10.5	15.8	-0.2	..	..	4.3	21	144	10	..	58	16	..
Richmond EWS	1	21.0	11.8	16.4	..	25.6	30	5.7	21	149	11	..	58	17	278
Nelson AWS	4	20.4	12.9	16.7	+0.1	24.5	30	7.3	21	156	11	..	55	17	..
Blenheim Research EWS	4	21.5	11.9	16.7	+0.0	26.6	13	7.0	21	91	11	+37	26	17	273
Wairau Valley, Mill R	172	21.0	10.6	15.8	..	25.3	13	4.9	10	182	11	..	53	16	..
Blenheim Aero AWS	35	21.9	10.7	16.3	-0.3	26.5	29	4.1	10	102	10	+44	29	16	..
Brothers Island AWS	68	17.6	13.5	15.6	+0.3	21.2	30	9.7	19	116	13	..	36	17	..
Grassmere Salt Works	2	20.8	13.8	17.3	+0.3	26.0	27	7.1	10	57	6	+14	20	16	..
Cape Campbell AWS	2	17.9	13.4	15.7	+0.3	21.1	20	9.8	18	68	7	+25	24	16	..
Boyle River Lodge	600	19.3	7.6	13.5	-0.3	30.5	31	-0.9	14	425	23	+238	79	2	..
Hanmer Forest EWS	363	22.3	6.9	14.6	+0.2	29.4	13	-0.5	10	79	11	+5	25	17	..
Kaikoura, Middle Cree	5	21.0	9.5	15.3	..	28.2	13	4.7	22	35	9	..	24	17	..
Kaikoura AWS	105	20.3	12.0	16.2	+0.8	26.3	7	6.3	18	28	5	-19	16	17	..
Arthurs Pass	745	15.4	6.9	11.2	-0.2	23.4	12	1.6	12	915	..	+407	193	2	..
Arthurs Pass EWS	745	14.9	6.6	10.8	-0.7	23.1	12	2.0	18	958	18	+350	199	2	..
Arthurs Pass AWS	743	14.8	6.8	10.8	..	22.5	12	2.2	18	1061	19	..	223	2	..
Culverden AWS	181	20.6	10.3	15.5	..	26.8	22	4.8	10	43	9	..	15	17	..
Medbury CWS	232	21.7	10.0	15.9	..	27.0	22	2.4	10	44	8	..	13	17	..
Balmoral East CWS	172	20.5	9.2	14.9	..	26.1	22	2.7	10	93	17	..	14	17	..
Waipara North Branch	560	17.8	8.5	13.2	..	23.8	31	2.0	10	106	13	..	19	17	..
Waiiau School CWS	136	22.5	9.9	16.2	..	30.3	13	3.7	10	39	10	..	18	17	..
Cheviot EWS	75	22.5	9.5	16.0	..	28.3	1	3.9	10	25	8	..	10	17	259
Upper Rakaia EWS	1752	9.3	1.8	5.6	..	21.0	31	-2.5	18	570	25	..	131	6	..
Mt Potts EWS	2128	6.3	-1.2	2.6	..	19.0	31	-6.6	18	101	5	..	61	1	..
Mt Cook EWS	730	16.4	6.8	11.6	-1.1	28.9	31	1.9	9	1202	17	+705	247	6	131
Mueller Hut EWS	1818	8.2	0.7	4.5	..	17.9	31	-4.0	19	1077	24	..	290	2	..
Mt Cook Aero AWS	659	17.5	7.1	12.3	..	28.9	31	0.7	21	727	17	..	169	6	..
Methven CWS	313	20.2	9.4	14.8	..	26.7	22	4.7	18	77	10	..	27	17	..
Winchmore 2 EWS	164	20.9	8.9	14.9	..	25.6	29	5.1	21	54	8	..	26	17	255
Chertsey CWS	108	20.5	10.2	15.4	..	25.2	13	5.1	9	44	5	..	24	17	..
Mayfield at Ruapuna F	325	19.7	8.8	14.3	..	26.3	29	3.6	9	95	17	..	29	17	..
Peel Forest	286	20.6	8.7	14.7	+0.8	25.9	29	3.3	28	122	15	+1	30	6	..
Lismore, Racemans Hou	168	20.5	9.9	15.2	..	25.8	13	5.5	28	62	8	..	21	17	..
Ashburton Aero AWS	89	21.3	8.8	15.1	..	26.7	13	4.5	9	71	8	..	33	17	262
Wakanui 2 CWS	53	20.4	9.0	14.7	..	25.3	13	5.4	24	55	7	..	25	17	..
Waipara West EWS	130	21.9	10.7	16.3	..	27.7	22	4.3	9	25	8	..	12	17	229
West Eyreton, Larunde	88	20.2	10.3	15.3	..	24.8	13	5.0	9	..	..	..	..	..	..
Ohoka CWS		20.6	9.9	15.3	..	26.3	13	4.9	15	37	3	..	25	17	..
Rangiora EWS	23	21.4	10.0	15.7	+0.3	26.8	13	4.7	10	31	3	..	22	17	263
Christchurch Aero	37	21.8	10.2	16.0	+0.2	27.4	13	4.4	10	35	2	-12	26	17	258
Christchurch Aero Bac	37	21.6	10.3	16.0	..	27.0	13	4.8	10	37	2	..	27	17	..
Christchurch, Kyle St	6	21.9	11.9	16.9	+0.8	27.7	6	7.2	9	38	5	..	31	17	..
Bromley EWS	3	21.4	12.0	16.7	..	27.9	4	6.3	9	..	..	..	..	..	269
Lincoln, Broadfield E	18	20.8	10.3	15.6	+0.2	26.0	7	5.0	9	38	3	-15	29	17	246
Sugar Loaf AWS	496	17.8	9.5	13.7	..	23.6	31	4.6	18	..	..	..	..	..	..

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	
Diamond Harbour EWS	122	19.8	11.1	15.5	..	24.0	4	6.0	9	40	6	..	29	17	262
Dorie CWS @ Leferinks	55	20.4	9.7	15.1	..	24.8	22	5.0	10	..	..	..	..	..	..
Akaroa EWS	45	21.4	10.4	15.9	-0.1	26.5	4	5.5	9	51	6	-12	41	17	263
Le Bons Bay AWS	236	18.2	10.9	14.6	+0.9	24.2	31	6.1	18	39	7	..	26	17	..
Lake Tekapo, Air Safa	762	17.8	6.4	12.1	-1.1	28.0	31	1.8	21	144	16	+92	53	6	..
Lake Tekapo EWS	762	18.6	6.7	12.7	-0.4	28.8	31	..	..	..	..	..	..	..	216
Fairlie AWS	403	18.9	8.7	13.8	..	27.9	31	4.1	9	113	13	..	37	6	..
Pukaki Aerodrome AWS	473	20.3	6.9	13.6	..	30.1	31	1.1	21	145	17	..	26	6	..
Hakataramea Valley Cw	355	21.0	8.6	14.8	..	28.6	31	3.4	9	7	9	..	2	24	..
Orari Estate CWS	81	21.1	9.3	15.2	..	27.3	22	5.5	21	..	..	..	..	..	..
Timaru Aero AWS	26	21.2	8.7	15.0	+0.6	28.9	31	3.3	21	71	8	+19	37	6	..
Timaru EWS	17	18.3	8.9	13.6	-1.1	25.0	3	4.9	21	62	11	+4	27	6	..
Waimate CWS	39	19.8	10.1	15.0	..	..	..	5.5	28	..	..	..	..	..	..
Oamaru Airport AWS	30	19.2	9.3	14.3	+0.4	25.5	7	5.1	9	87	10	+31	34	24	..
Albert Burn	1280	11.0	3.0	7.0	..	23.4	31	-1.6	9	668	22	..	92	2	..
Eglinton, Knobs Flat	365	16.2	7.0	11.6	..	24.0	31	4.1	28	394	22	..	60	2	..
Tara Hills AWS	488	19.3	7.2	13.3	-1.1	28.6	31	1.7	21	..	..	..	..	..	..
Wanaka CWS	331	18.5	8.9	13.7	..	27.4	31	3.7	21	185	20	..	34	2	..
Wanaka Aero AWS	352	19.4	8.6	14.0	-1.3	28.8	31	3.3	21	153	15	+87	32	3	..
Windsor EWS	81	20.7	8.7	14.7	+0.5	26.7	22	4.0	9	42	11	-30	14	16	..
Ranfurly EWS	450	19.9	6.9	13.4	+0.0	32.3	31	0.5	19	44	11	-18	9	17	..
Oamaru AWS	40	19.3	9.7	14.5	+0.6	25.0	3	5.4	9	..	..	..	..	..	..
Palmerston	21	19.9	8.1	14.0	+0.3	27.0	3	2.8	19	48	15	-15	10	17	150
Middlemarch EWS	213	20.7	7.7	14.2	+0.0	30.8	31	2.5	18	82	17	..	16	17	158
Swampy Summit AWS	722	14.6	5.8	10.2	..	23.5	31	2.5	16	..	..	..	..	..	..
Dunedin Aero AWS	1	19.5	8.2	13.9	+0.0	27.9	31	4.4	14	131	19	+59	18	8	..
Dunedin, Musselburgh	4	18.1	10.1	14.1	+0.3	24.6	6	6.0	19	116	19	+36	21	27	192
Oamaru EWS	20	19.0	9.2	14.1	..	25.5	7	5.2	21	71	9	..	28	24	235
Murchison Mtns EWS	1140	10.3	3.3	6.8	..	19.9	31	0.5	28	552	24	..	78	2	..
Takahe Valley CWS	895	12.2	3.7	8.0	..	24.3	31	-0.7	9	..	..	..	..	..	..
Te Anau At Park HQ Cw	204	16.5	8.4	12.5	..	27.2	31	3.1	21	..	..	..	..	..	..
Manapouri, West Arm J	178	15.7	7.8	11.8	-0.9	25.7	31	4.1	21	641	24	..	74	4	..
Manapouri Aero AWS	209	17.2	7.4	12.3	-0.7	26.9	31	2.9	21	204	19	+100	43	2	..
Birchwood WXT AWS	147	16.9	9.0	13.0	..	30.3	31	5.8	28	201	21	..	47	19	..
Queenstown	322	19.1	8.8	14.0	-1.2	30.1	31	3.8	21	156	18	+71	35	3	125
Queenstown EWS	322	19.0	8.7	13.9	..	30.1	31	3.8	21	169	20	..	35	3	..
Queenstown Aero AWS	354	18.0	8.3	13.2	-0.9	28.8	31	3.8	21	..	..	..	..	..	180
Five Rivers CWS	260	17.5	7.9	12.7	..	30.3	31	4.1	21	126	22	..	23	19	..
Lumsden AWS	187	17.7	7.7	12.7	-0.6	29.1	31	3.3	6	107	19	..	32	19	..
Waipounamu CWS	152	18.0	7.6	12.8	..	29.5	31	3.9	6	85	19	..	29	19	..
Cromwell EWS	213	20.7	8.3	14.5	-1.6	30.9	31	0.8	21	61	13	..	14	3	218
Lauder EWS	375	19.9	7.3	13.6	-0.9	31.8	31	1.0	21	44	13	-17	17	17	..
Ophir 2	305	20.6	6.4	13.5	..	31.2	31	0.0	21	44	11	..	15	17	..
Alexandra	150	22.2	8.9	15.6	-0.8	33.3	31	3.6	21	56	14	..	13	17	203
Alexandra CWS	140	21.2	9.1	15.2	..	32.6	31	4.3	21	57	17	..	14	17	..
Clyde 2 EWS	170	21.4	8.0	14.7	..	33.2	31	2.2	21	50	12	..	15	17	..
Alexandra AWS	230	20.9	7.9	14.4	..	32.8	31	2.2	21	57	13	..	17	17	..
Alexandra EWS	132	21.2	8.6	14.9	..	32.9	31	4.0	21	47	13	..	13	17	198
Roxburgh WXT AWS	160	19.3	9.6	14.5	..	30.9	31	4.7	9	..	..	..	..	..	..
Waitutu CWS	30	16.1	7.5	11.8	..	26.4	31	5.1	24	247	23	..	49	19	..
Gore AWS	123	17.6	8.5	13.1	+0.0	28.7	31	5.6	18	..	..	..	..	..	..
Gore EWS	60	17.3	7.6	12.5	..	28.9	31	3.8	18	118	20	..	41	19	139
Invercargill Aero	1	17.3	8.9	13.1	+0.1	29.8	31	..	..	..	..	..	48	19	..
Invercargill Aero AWS	1	17.3	8.8	13.1	+0.1	30.2	31	5.5	26	118	24	..	45	19	..
Invercargill Aero 2 E		17.3	8.7	13.0	..	30.2	31	4.5	29	107	25	..	44	19	167
Tiwai Point EWS	5	15.7	9.3	12.5	-0.8	24.1	31	6.5	26	134	25	+40	46	19	..
Balclutha, Finegand	6	18.7	..	..	..	26.0	31	..	..	95	24	+25	27	19	..
Balclutha, Telford Ew	11	18.3	8.2	13.3	..	25.6	31	4.0	4	85	19	..	31	19	110
Nugget Point AWS	129	16.3	9.0	12.7	-0.1	23.1	31	6.4	9	89	22	+6	35	19	..
Tautuku	25	18.5	8.3	13.4	+0.6	26.5	31	5.0	4	131	15	+12	47	19	..
South West Cape AWS	101	14.7	8.9	11.8	-0.3	19.4	31	6.4	8
Kiribati, Cassidy Chri	3	..	24.3
Solomon, Taro Is	3	32.2	127	17	..	34	25	..

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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			
Solomon, Munda	6	..	24.5	
Solomon, Honiara	56	32.8	24.3	28.6	..	..	..	..	..	..	..	..	..	..
Solomon, Henderson	9	32.1	23.1	27.6	..	..	..	..	..	..	..	..	..	..
Solomon, Santa Cruz	24	..	24.1	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Sola	13	..	24.7	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Pekoa	56	31.3	23.2	27.3	..	..	..	19.2	2	150	16	..	51	5
Vanuatu, Bauerfield	20	31.2	21.1	26.2	..	..	..	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	29.8	21.5	25.7	..	..	..	..	..	122	12	..	51	5
Vanuatu,Aneityum	6	29.9	..	..	..	..	..	..	..	..	..	..	..	..
New Cal, Koumac	18	30.1	21.4	25.8	..	..	..	31.7	2	19.0	12	..	..	..
New Cal, Oulop	7	29.6	23.2	26.4	..	..	..	30.9	17	18.0	5	..	..	..
New Cal, Ouanaham	29	29.3	21.9	25.6	..	..	..	15.4	11	..	..	..	..	..
New Cal, Poinoimie	13	29.2	22.0	25.6	..	..	..	32.7	28	20.3	3	27	12	..
New Cal, La Roche	42	29.0	19.4	24.2	..	..	..	30.6	9	13.1	13	..	..	..
New Cal, La Tontouta	14	32.0	20.0	26.0	..	..	..	35.0	8	16.5	1	..	..	..
New Cal, Nouma	72	29.8	21.8	25.8	..	..	..	33.0	8	20.4	23	7	7	..
New Cal, Moue	97	28.0	20.8	24.4	..	..	..	29.6	4	17.9	13	..	..	..
Kiribati,Butaritari	2	32.4	25.4	28.9	..	..	..	..	..	..	..	..	..	..
Kiribati,Tarawa	2	..	25.7	..	..	..	..	..	..	..	..	..	..	..
Kiribati, Bonriki Int	4	31.7	26.2	29.0	..	..	..	..	..	..	..	..	..	..
Kiribati,Beru	2	..	26.3	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	32.0	26.3	29.2	..	..	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	32.3	23.1	27.7	..	..	..	34.8	14	21.2	1	..	..	..
Fiji, Nadi EWS	15	31.6	23.4	27.5	..	..	..	33.6	26	21.2	1	187	11	..
Fiji,Nausori Aero	6	30.3	22.9	26.6	..	..	..	31.9	4	15.6	28	..	..	..
Wallis Island, Hihifo	27	31.0	25.5	28.3	..	..	..	32.1	6	22.9	1	..	..	..
Maopoopo, Futuna Isla	36	31.7	25.0	28.4	..	..	..	23.7	10	..	..	..	..	..
Samoa,Faleolo	4	31.1	24.3	27.7	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	30.2	24.1	27.2	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	30.3	25.7	28.0	..	..	..	..	..	..	..	..	..	..
Tonga, Queen Lavinia	60	29.0	23.2	26.1	..	..	..	..	..	..	..	..	..	..
Tonga,Keppel	2	30.1	23.4	26.8	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	29.4	23.2	26.3	..	..	..	30.4	24	18.8	3	..	..	..
Salote Pilelevu Airpo	2	29.3	24.0	26.7	..	..	..	..	..	22.3	8	..	..	..
Tonga,Fuaamotu Aero	38	28.9	23.0	26.0	..	..	..	30.9	27	18.9	1	..	..	..
CI Rarotonga Aero	7	27.6	23.0	25.3	..	..	..	..	..	..	..	..	..	..
Vanuatu, Saratamata	18	30.2	24.6	27.4	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	32.5	23.3	27.9	..	..	..	34.3	12	21.4	13	4	5	..
Tahiti - Faaa	1	30.0	24.4	27.2	..	..	..	31.7	3	22.1	27	245	21	..
Tuamotu, Takaraoa	2	30.4	26.0	28.2	..	..	..	..	..	..	..	..	..	..
Tuamotu, Hao	3	29.4	25.0	27.2	..	..	..	31.4	6	22.0	24	..	..	..
Gambier, Rikitea	91	25.5	21.8	23.7	..	..	..	..	..	235	23	..	59	21
Tubuai	2	26.1	21.6	23.9	..	..	..	27.7	2	16.6	28	..	..	..
Rapa	1	23.2	19.4	21.3	..	..	..	26.7	29	16.7	14	72	20	..
Pitcairn Island AWS	264	22.4	19.3	20.9	..	..	..	..	..	..	..	..	..	..
Raoul Island AWS	49	24.9	19.5	22.2	..	..	..	27.0	27	16.1	1	113	12	..
Enderby Is AWS	40	..	7.6	..	..	..	..	..	..	5.3	21	..	..	..
Campbell Island AWS	19	11.9	7.0	9.5	+0.8	..	..	14.2	4	3.6	18	188	29	+76
Chatham Island Aero A	12	20.7	14.0	17.4	..	..	..	25.0	5	8.0	27	90	20	..
Georg Von Neumayer	40	-1.7	-6.1	-3.9	..	..	..	0.4	20	-12.4	17	..	..	..
Ant South Pole	2827	-24.2	-27.2	-25.7	..	..	..	-20.4	12	-32.7	1	..	..	..
Halley Bay	30	-0.5	-5.7	-3.1	..	..	..	4.7	27	-10.5	4	..	..	..
Gen Belgrano 2	256	3.0	-4.4	-0.7	..	..	..	7.5	5	-14.0	1	..	..	..
Bellingshausen	16	2.1	-0.9	0.6	..	..	..	6.6	27	-3.2	6	..	..	..
Base Jubany	4	3.1	-1.0	1.1	..	..	..	8.0	27	-3.8	7	..	..	..
V C Marambio	198	-0.2	..	..	..	..	..	..	..	..	..	..	..	..
Eduardo Frei	10	1.6	-1.2	0.2	..	..	..	..	..	..	..	..	..	..
Arturo Prat		3.5	-0.5	1.5	..	..	..	8.5	31	..	..	..	..	..
Great Wall	10	2.8	-1.0	0.9	..	..	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	0.9	..	..	..	..	..	..	..	..	..	..	..	..
Palmer Station	8	2.5	-1.1	0.7	..	..	..	..	..	..	..	..	..	..
Rothera Point	16	2.6	-1.3	0.7	6.0	28	-6.3	1	
Argentine Is, Faraday	11	1.6	-2.4	-0.4	6.1	22	-5.0	19	

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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	
Gen San Martin	4	3.7	-1.8	1.0	
Novolax Arevskaja	99	2.9	-2.0	0.5	..	5.7	14	-8.8	1	
Maitri		4.1	-2.0	1.1	
Syowa	21	1.8	-3.4	-0.8	..	5.1	7	-7.8	21	
Mawson	16	3.0	-3.1	-0.1	..	5.3	7	-6.8	17	
Davis	13	2.9	-2.1	0.4	-4.1	20	
Progress	64	2.1	-2.2	-0.1	..	5.7	5	-5.5	3	
Mirnyj	30	1.3	-5.2	-2.0	..	7.7	6	
Vostok	3420	-25.0	-36.0	-30.5	..	-20.1	15	-38.9	21	
Casey	41	1.7	-4.1	-1.2	..	5.4	5	
Durmont Durville	43	2.1	-2.8	-0.4	..	4.9	24	-6.7	13	
Mcmurdo	24	1.3	-4.7	-1.7	
Ant Arrival Heights E	218	-1.6	-6.1	-3.9	
Ant Scott Base EWS	20	-0.5	-6.7	-3.6	..	2.9	13	-13.1	4	0	0	..	0	1	
Casey, Skiway South	392	4.0	-7.8	-1.9	..	9.5	21	-14.5	1	
Darwin Airport	31	35.3	19.4	27.4	
Hobart Airport	4	35.3	10.9	23.1	

Late returns and corrections for November 2019

Rotorua EWS	288	22.4	10.5	16.5	..	30.9	23	3.3	19	..	..	..	..	..
Auckland Aero	7	20.9	13.8	17.4	+1.2	..	..	9.6	20	..	..	..	..	..
Wellington Aero	4	18.7	13.0	15.9	+1.4	22.8	30	8.2	21	106	10	+31	77	10
Taihape Rec	433	22.7	8.0	15.4	+2.4	28.0	3	3.3	21	32	9	-38	16	10
Motueka, Riwaka EWS	8	21.3	9.5	15.4	+1.2	28.7	22	3.9	21	63	6	-36	26	9
Boyle River Lodge	600	21.1	6.7	13.9	+2.4	28.4	30	1.0	..	227	..	+45	60	16
Arthurs Pass	745	14.8	6.8	10.8	+1.4	24.9	3	..	..	946	20	+523	154	7
Winchmore 2 EWS	164	21.3	8.6	15.0	..	31.6	3	2.2	21	56	5	..	27	10
Rangiora EWS	23	21.8	9.3	15.6	+2.5	31.7	28	1.5	21	48	6	..	23	10
Christchurch Aero	37	21.6	9.5	15.6	+2.1	31.4	3	0.8	21	45	7	-1	25	10
Palmerston	21	20.8	7.6	14.2	+2.3	30.9	3	1.8	17	45	12	+2	11	13
Lauder EWS	375	20.1	7.4	13.8	+1.7	28.6	2	-0.6	12	48	11	+7	17	10
Alexandra EWS	132	22.5	8.2	15.4	..	31.8	2	1.0	12	31	12	..	9	10
Tapanui	180	20.1	7.7	13.9	+2.5	27.8	2	2.9	12	88	..	+15	..	..
Invercargill Aero	1	18.0	8.1	13.1	+1.7	26.0	22	..	..	89	19	-1	18	19

Late returns and corrections for October 2019

Tiri Tiri Lighthouse	76	16.8	10.6	13.7	-0.5	20.8	27	7.2	2	83	19	+3	28	14
Motueka, Riwaka EWS	8	18.0	6.0	12.0	-0.2	24.3	27	0.0	3	52	16	-65	22	10
Winchmore 2 EWS	164	15.4	4.0	9.7	..	22.5	26	-1.6	3	63	16	..	19	22
Lauder EWS	375	14.7	3.0	8.9	-1.1	24.4	26	-2.9	6	46	14	+12	12	4
Alexandra EWS	132	16.6	4.1	10.4	..	27.2	26	-2.0	6	27	15	..	7	18
Balclutha, Finegand	6	14.0	5.4	9.7	-0.8	24.5	26	..	..	128	23	+67	19	9

Late returns and corrections for September 2019

Motueka, Riwaka EWS	8	15.5	4.7	10.1	-0.2	18.9	30	0.8	18	100	19	-22	44	14
Winchmore 2 EWS	164	14.3	2.6	8.5	..	23.0	29	-2.3	10	33	10	..	9	30
Lake Tekapo EWS	762	13.4	0.8	7.1	+0.4	21.9	22	-6.0	10	..	..	..	..	..
Lauder EWS	375	14.0	1.1	7.6	-0.4	22.2	2	-5.7	10	44	11	+21	21	30
Alexandra EWS	132	15.7	1.7	8.7	..	22.8	22	-4.5	10	13	6	..	7	12
Stewart Is	3	13.0	5.0	9.0	+0.6	18.2	5	-1.0	14	187	..	+64	34	28
Balclutha, Finegand	6	13.7	4.0	8.9	+0.1	18.5	28	-3.2	10	31	13	-15	6	16

Late returns and corrections for August 2019

Tiri Tiri Lighthouse	76	15.0	8.9	12.0	+0.1	17.2	11	6.7	5	99	28	-1	14	20
Motueka, Riwaka EWS	8	13.8	1.8	7.8	-0.5	17.4	24	-2.0	19	94	18	-50	24	10
Winchmore 2 EWS	164	12.8	0.6	6.7	..	18.6	31	-3.4	5	50	10	..	16	16
Lauder EWS	375	11.7	-0.2	5.8	+0.9	17.4	31	-4.6	19	16	8	-4	6	2
Alexandra EWS	132	12.9	-0.2	6.4	..	19.3	31	-4.2	18	16	9	..	7	2
Stewart Is	3	10.6	3.7	7.2	+0.2	15.5	..	-7.0	5	185	..	+69	22	3

Late returns and corrections for July 2019

Motueka, Riwaka EWS	8	13.4	2.8	8.1	+1.2	15.9	23	-1.5	7	209	17	+78	84	19
Winchmore 2 EWS	164	12.9	2.3	7.6	..	21.3	3	-0.7	18	102	10	..	38	20

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	mm	Hrs		
Alexandra EWS	132	10.3	-0.6	4.9	..	17.3	3	-3.9	7	20	9	..	12	13	113
Stewart Is	3	10.9	4.1	7.5	+1.3	15.0	1	1.0	15	110	..	-13	24	13	..
Late returns and corrections for June 2019															
Motueka, Riwaka EWS	8	13.0	1.5	7.3	-0.3	18.9	14	-3.0	29	51	11	-90	20	20	..
Alexandra EWS	132	8.7	-1.2	3.8	..	15.0	9	-5.1	26	11	7	..	4	11	119
Late returns and corrections for May 2019															
Motueka, Riwaka EWS	8	17.4	5.8	11.6	+1.5	21.1	5	0.4	22	151	13	+35	60	12	..
Ranfurly EWS	450	14.0	1.6	7.8	+2.3	19.2	2	-4.5	21	39	11	+8	13	12	..
Alexandra EWS	132	13.9	2.5	8.2	..	20.1	4	-1.9	1	37	11	..	10	12	123
Late returns and corrections for April 2019															
Rotorua EWS	288	18.7	7.5	13.1	..	21.4	25	2.2	14	77	9	..	28	1	..
Motueka, Riwaka EWS	8	19.1	7.8	13.5	+0.8	25.3	26	2.6	13	84	10	-22	58	21	..
Late returns and corrections for March 2019															
Motueka, Riwaka EWS	8	22.9	12.9	17.9	+2.2	27.5	7	7.6	2	88	10	-7	25	31	..
Late returns and corrections for February 2019															
Motueka, Riwaka EWS	8	25.5	12.1	18.8	+1.2	31.6	4	6.5	26	20	3	-66	17	23	..
Late returns and corrections for January 2019															
Motueka, Riwaka EWS	8	27.0	13.5	20.3	+2.6	34.0	27	8.8	25	3	2	-79	3	13	..
Late returns and corrections for December 2018															
Motueka, Riwaka EWS	8	23.0	12.7	17.9	+1.6	31.1	31	7.9	6	95	16	-9	22	19	..
Late returns and corrections for November 2018															
Motueka, Riwaka EWS	8	20.7	9.2	15.0	+0.8	25.4	8	1.9	20	72	12	-27	33	25	..
Late returns and corrections for October 2018															
Motueka, Riwaka EWS	8	18.5	7.8	13.2	+1.0	22.5	20	2.6	14	62	11	-55	36	11	..
Late returns and corrections for September 2018															
Motueka, Riwaka EWS	8	16.8	4.9	10.9	+0.6	24.1	14	-0.1	7	74	11	-48	30	27	..
Late returns and corrections for August 2018															
Motueka, Riwaka EWS	8	15.1	3.5	9.3	+1.0	18.9	15	0.3	19	156	17	+12	31	19	..
Late returns and corrections for July 2018															
Motueka, Riwaka EWS	8	12.9	2.5	7.7	+0.8	16.6	8	-1.3	4	174	23	+43	40	15	..
Late returns and corrections for June 2018															
Motueka, Riwaka EWS	8	13.4	2.0	7.7	+0.1	17.4	5	-2.8	22	56	14	-85	42	18	..
Late returns and corrections for May 2018															
Motueka, Riwaka EWS	8	16.0	6.3	11.2	+1.1	23.7	9	-1.1	29	107	15	-9	23	16	..
Late returns and corrections for April 2018															
Motueka, Riwaka EWS	8	19.3	8.0	13.7	+1.0	23.9	3	0.4	12	140	11	+34	52	28	..

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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