



Climate Database Statistics Report

September 2021

A report of monthly climate data and differences from normal:
current observations, late returns and corrections

Summary of the records of Temperature, Rainfall and Sunshine September 2021

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine Hrs
		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	mm		
Cape Reinga AWS	213	16.1	11.2	13.7	+0.2	18.5	1	8.8	29	89	24	+5	33	22	..
Kaitaia Aero EWS	80	16.7	10.1	13.4	+0.0	19.2	16	5.2	29	163	17	+70	53	22	..
Kaitaia Aero AWS	77	17.0	10.2	13.6	..	..	..	..	..	..	..	..	..	..	..
Kaitaia EWS	85	16.8	10.7	13.8	+0.5	19.4	22	6.1	19	162	15	+57	52	22	141
Kerikeri EWS	79	17.8	9.1	13.5	+0.4	21.0	25	4.2	19	188	17	+25	72	22	..
Kerikeri Aerodrome Aw	149	17.1	8.8	13.0	+0.3	19.6	26	4.4	28	188	21	+26	62	22	..
Kaikohe AWS	204	15.5	9.3	12.4	+0.1	..	..	5.4	28	..	..	..	..	..	..
Trounson CWS	244	15.9	8.6	12.3	..	21.0	16	4.4	19	171	25	+18	49	22	..
Dargaville 2 EWS	66	16.8	9.8	13.3	+0.3	20.8	16	6.2	6	150	17	+54	32	16	150
Purerua AWS	87	17.0	10.5	13.8	..	..	..	7.2	28	131	18	..	45	22	..
Russell CWS	15	18.1	9.0	13.6	..	20.6	20	3.4	29	17	30	..	1	1	..
Whangarei Aero AWS	38	17.6	10.2	13.9	+0.5	21.8	16	6.3	19	154	22	+44	47	22	..
Whangarei EWS	12	18.0	8.8	13.4	..	22.0	16	3.5	13	154	19	..	49	22	149
Mokohinau AWS	70	15.7	12.2	14.0	+0.2	..	..	..	..	..	..	..	44	15	..
Leigh 2 EWS	27	17.9	11.0	14.5	+0.8	20.8	25	7.9	19	159	24	+64	43	22	..
Warkworth EWS	72	16.8	8.4	12.6	+0.4	23.5	16	2.7	19	176	19	+45	59	22	..
Whangaparaoa AWS	100	16.9	10.2	13.6	+0.4	..	..	..	..	..	..	..	..	..	..
Tiri Tiri Lighthouse	76	15.8	9.5	12.7	-0.3	18.5	26	7.0	9	131	22	+49	34	22	..
Auckland, Whenuapai A	26	16.6	8.5	12.6	+0.2	20.9	16	3.4	6	129	23	..	42	22	..
Auckland, North Shore	64	17.0	9.1	13.1	..	21.8	16	4.6	28	145	18	..	42	22	149
Auckland, Motat EWS	16	17.2	8.9	13.1	..	21.6	16	3.7	28	124	14	..	44	22	169
Waiheke Island, Awaro	34	17.3	10.5	13.9	..	20.0	26	5.5	19	173	13	+66	59	22	..
Whitianga Aero AWS	5	16.8	8.9	12.9	+0.7	..	..	3.6	13	..	..	..	..	..	..
Whitianga EWS	1	17.9	8.5	13.2	..	22.2	26	2.7	19	176	19	..	44	15	..
Thames 2	3	17.1	9.0	13.1	+0.4	20.5	16	4.9	28	110	17	+14	33	22	..
Paeroa AWS	19	16.6	7.7	12.2	-0.1	..	..	2.4	19	99	19	-1	21	22	..
Matamata, Hinuera EWS	85	16.3	5.9	11.1	+0.4	18.9	25	0.4	19	111	13	..	42	22	..
Tauranga Aero AWS	5	16.7	8.7	12.7	+0.3	19.9	25	4.2	9	110	16	+26	27	15	..
Te Puke EWS	123	16.5	7.7	12.1	+0.3	19.9	25	2.0	9	151	16	+25	39	16	..
Whakatane Aero AWS	8	16.8	7.0	11.9	+0.3	20.9	24	1.2	9	129	12	+37	37	16	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	146
Whakatane EWS	1	16.9	7.3	12.1	..	21.8	24	1.3	9	132	14	..	41	16	..
Mamaku Radar WXT AW617	10.9	5.7	8.3	..	..	..	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	14.8	5.0	9.9	..	..	..	0.1	9	..	..	..	..	..	..
Rotorua EWS	288	14.8	5.6	10.2	..	17.7	24	-0.3	9	176	15	..	40	7	184
Rotorua Aero AWS	286	14.2	5.6	9.9	-0.3	17.1	24	0.1	2	142	18	+34	39	22	..
Galatea AWS	175	15.1	5.2	10.2	..	..	..	-2.0	2	142	26	..	26	22	..
Taupo CWS	360	15.3	4.7	10.0	..	19.1	25	-1.6	2	..	..	..	..	..	..
Taupo AWS	402	13.2	4.5	8.9	-0.2	15.6	25	-3.2	2	102	21	+20	27	22	..
Auckland, Mangere 2 E	16	16.7	9.7	13.2	..	21.2	16	4.6	19	124	16	..	51	22	167
Auckland Aero	7	16.9	9.7	13.3	+0.3	21.1	16	5.7	19	112	21	+22	42	22	..
Auckland Aero Backup	7	16.8	9.8	13.3	..	21.0	16	5.8	19	..	..	..	..	..	..
Ardmore Aero AWS	41	16.9	7.9	12.4	..	..	..	..	..	..	..	..	..	..	..
Pukekohe EWS	88	16.6	8.5	12.6	+0.4	18.8	16	3.9	28	144	20	+33	58	22	..
Firth Of Thames EWS	3	17.0	7.4	12.2	..	19.7	26	1.1	19	131	14	..	55	22	157
Whatawhata 2 EWS	118	15.4	7.3	11.4	-0.2	17.9	5	2.1	2	182	19	+36	56	22	..
Hamilton, Ruakura 2 E	45	16.4	6.3	11.4	-0.1	18.3	25	0.9	29	148	15	+56	52	22	146
Hamilton AWS	53	16.0	6.1	11.1	-0.2	..	..	0.7	28	178	17	+77	54	22	..
Lake Karapiro CWS	55	16.5	8.2	12.4	..	18.8	23	4.1	19	117	17	..	45	22	..
Port Taharoa AWS	18	15.7	9.5	12.6	-0.2	..	..	5.4	18	115	18	..	56	22	..
Awakino EWS	400	11.8	5.8	8.8	..	14.1	3	1.8	18	193	20	..	39	22	79
Waikeria EWS	37	16.2	5.7	11.0	..	18.4	25	0.1	2	129	15	..	50	22	137
Te Kuiti EWS	61	15.7	5.0	10.4	-1.0	18.2	25	-0.2	2	126	19	-4	47	22	138
Pureora Forest CWS	549	11.8	3.6	7.7	..	14.3	25	-2.2	2	169	20	..	75	22	..
Taumarunui EWS	170	15.9	5.2	10.6	..	18.0	25	-1.0	29	..	..	..	..	..	..
Taumarunui AWS	186	15.4	4.6	10.0	..	..	..	-2.0	3	106	19	..	33	22	..
Turangi 2 EWS	360	14.5	3.5	9.0	-0.3	18.7	25	-3.7	2	133	21	-7	35	22	152
New Plymouth AWS	28	15.1	7.4	11.3	-0.2	17.4	24	1.5	5	114	20	-6	26	22	207
Lower Retaruke CWS	233	14.5	4.8	9.7	..	17.0	24	-0.8	29	140	19	-13	34	22	..
Mt Ruapehu, Chateau E	1097	8.2	0.3	4.3	-0.6	..	..	..	..	279	20	+8	45	22	..
Pahiatua EWS	110	14.4	5.8	10.1	..	18.4	22	-2.0	2	148	21	..	46	13	..
Masterton Aero AWS	105	14.9	4.9	9.9	..	21.4	24	-1.9	4	100	20	..	33	27	..
Masterton EWS	90	15.2	4.6	9.9	..	22.6	24	-1.5	4	87	15	..	39	27	168

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		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	mm		
Masterton, Te Ore Ore	110	15.2	5.5	10.4	..	..	..	..	..	92	15	+19	39	27	..
Takapau Plains AWS	346	13.6	4.5	9.1	-0.5	..	..	-2.3	3	115	19	..	35	27	..
Dannevirke EWS	207	16.1	6.2	11.2	..	23.0	22	-1.3	3	127	15	..	37	13	144
Cape Turnagain AWS	285	12.2	7.8	10.0	..	..	..	4.1	9	144	15	..	62	27	..
Akitio EWS	245	13.1	6.9	10.0	..	18.5	22	2.8	9	187	18	..	51	27	186
Castlepoint AWS	120	14.1	8.3	11.2	-0.4	..	..	4.7	9	97	17	+39	35	27	..
Baring Head	79	13.4	8.2	10.8	..	18.7	18	3.0	29	74	17	..	30	26	..
Te Wharau, Brackenfe	292	13.2	4.9	9.1	..	19.9	23	-0.7	29	177	12	..	58	27	..
Martinborough EWS	20	15.2	6.7	11.0	+0.3	21.5	24	-0.2	9	56	14	..	19	27	141
Ngawi AWS	8	15.1	9.6	12.4	-0.1	..	..	5.6	3	99	14	..	47	26	..
Hicks Bay AWS	46	16.0	10.1	13.1	+0.5	..	..	5.2	9	..	..	..	..	..	..
Gisborne AWS	5	16.7	7.3	12.0	-0.1	21.7	25	0.7	5	101	17	+29	30	16	180
Gisborne EWS	12	17.4	7.6	12.5	..	23.6	24	2.2	4	77	14	..	17	15	..
Tolaga Bay WXT AWS	15	15.9	7.8	11.9	..	..	..	1.4	5	122	15	..	46	16	..
Tutira CWS	235	14.8	6.2	10.5	..	20.6	25	0.8	2	128	15	..	56	16	..
Napier Aero AWS	3	16.9	7.0	12.0	+0.4	22.2	10	0.7	4	87	16	+38	50	16	..
Napier EWS	7	17.3	7.0	12.2	..	22.3	10	1.3	2	74	12	..	41	16	201
Maraekakaho CWS	150	16.5	5.4	11.0	..	21.5	13	0.3	29	50	10	..	20	16	..
Hastings AWS	16	17.2	5.4	11.3	..	..	..	..	..	..	..	..	..	..	..
Whakatu EWS	5	17.5	5.0	11.3	+0.6	22.6	24	-1.9	9	71	11	..	36	16	..
Waipawa EWS	130	16.2	4.1	10.2	..	21.2	10	-1.8	2	102	12	..	39	27	157
Wairoa, North Clyde E	15	17.2	6.6	11.9	+0.0	23.1	25	1.1	5	150	14	+62	80	16	..
Wairoa Aero AWS	13	16.4	6.1	11.3	..	..	..	1.1	9	..	..	..	..	..	..
Mahia Radar WXT AWS	419	11.9	7.1	9.5	..	..	..	..	..	..	..	..	..	..	..
Mahia AWS	136	14.4	8.4	11.4	-0.4	..	..	4.4	9	134	17	+69	52	16	..
Cape Kidnappers WXT A	113	14.7	9.4	12.1	..	..	..	..	..	..	..	..	..	..	..
Paraparaumu Aero	5	14.8	7.5	11.2	+0.1	..	..	..	..	..	..	..	..	..	..
Paraparaumu Aero AWS	8	14.8	7.7	11.3	+0.3	19.1	23	-1.7	1	58	16	-31	12	22	179
Paraparaumu EWS	5	14.4	7.0	10.7	..	18.7	23	-2.5	1	52	15	-37	11	22	172
Ohakea AWS	47	14.9	6.8	10.9	..	20.3	23	0.3	1	155	17	..	75	13	..
Palmerston North AWS	39	14.9	6.8	10.9	+0.0	18.4	25	0.3	2	141	18	+56	69	13	..
Palmerston North EWS	21	15.3	6.8	11.1	+0.1	18.9	23	1.1	19	121	17	+35	69	13	139
Levin AWS	15	15.2	6.9	11.1	+0.1	19.7	23	-0.5	18	112	20	+10	45	13	..
Levin EWS	23	15.3	6.4	10.9	..	19.9	23	-1.1	18	97	14	..	41	13	182
Mana Island AWS	110	12.8	8.6	10.7	..	..	..	4.2	29	..	..	..	..	..	..
Porirua, Elsdon Park	7	14.7	7.5	11.1	..	..	..	0.6	1	74	18	..	26	22	..
Wellington, Kelburn A	125	13.5	8.0	10.8	+0.0	19.0	23	3.4	1	127	18	+29	35	22	173
Wellington Aero	4	14.3	8.9	11.6	+0.0	19.1	24	1.2	1	105	18	+30	34	22	..
Wellington, Greta Poi	3	15.0	8.9	12.0	..	20.5	24	3.5	1	99	14	..	32	26	..
Wellington Aero Backu	4	14.3	9.0	11.7	..	19.1	24	1.2	1	105	17	..	34	22	..
Upper Hutt, Trentham	50	14.4	6.0	10.2	..	19.6	24	-1.7	2	89	14	..	17	12	154
Stratford EWS	280	13.7	4.6	9.2	-0.4	16.0	1	0.1	19	177	17	-4	27	22	168
Hawera AWS	100	14.1	6.4	10.3	-0.2	..	..	1.5	1	..	..	..	..	..	..
Ohakune EWS	607	13.1	2.6	7.9	-0.2	16.5	23	-3.6	19	110	17	-32	22	13	..
Waiouru Treatment Pla	806	11.3	1.9	6.6	-0.1	16.2	25	-2.8	1	109	18	+17	23	13	..
Waiouru Airstrip AWS	820	10.5	1.4	6.0	..	15.1	25	-3.3	18	108	21	..	22	13	..
Flat Hills WXT AWS	262	14.0	6.0	10.0	..	..	..	0.9	1	..	..	..	..	..	..
Whanganui, Spriggens	15	15.7	7.5	11.6	-0.3	20.4	25	0.7	1	156	16	+82	67	13	..
Wanganui AWS	14	15.3	7.6	11.5	-0.1	19.9	25	-0.2	1	178	14	+99	73	13	..
Wanganui 2 AWS	18	16.5	6.9	11.7	..	..	..	..	..	..	..	..	..	..	..
Takaka EWS	20	17.1	3.3	10.2	-0.1	..	..	..	..	237	11	+40	89	22	217
Farewell Spit AWS	3	17.6	9.2	13.4	+1.6	20.6	24	5.6	2	190	17	+53	69	22	..
Westport Aero AWS	5	14.4	7.4	10.9	+0.2	..	..	3.4	27	181	25	-3	27	21	..
Westport EWS	6	14.8	8.1	11.5	..	..	..	..	..	172	25	..	26	21	170
Arapito EWS	3	15.2	6.9	11.1	..	..	..	..	..	193	23	..	36	7	167
Hokitika Aero	39	14.0	5.6	9.8	-0.1	..	..	..	..	..	..	..	..	..	..
Hokitika AWS	40	14.0	5.7	9.9	+0.0	17.6	16	1.2	16	302	25	+81	45	12	178
Hokitika EWS	39	14.0	5.4	9.7	..	17.9	16	0.8	28	297	23	..	44	12	..
Reefton EWS	198	14.1	4.3	9.2	-0.3	17.2	2	-1.1	1	274	21	+97	42	25	130
Greymouth Aero EWS	5	14.1	6.3	10.2	..	17.7	23	2.8	28	254	22	..	40	25	140
Pigeon Creek CWS	105	13.3	5.1	9.2	..	17.0	23	-0.4	1	512	20	..	84	21	..
Mt Philistine EWS	1655	2.5	-3.0	-0.3	..	8.0	23	-6.3	14	527	24	..	103	25	..
Mahanga EWS	1995	2.3	-5.1	-1.4

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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	mm	mm		
Ivory Glacier CWS	1390	6.3	-2.3	2.0	..	13.6	23	-6.3	9	900	22	..	164	6	..
Okarito EWS	1	14.0	5.1	9.6	..	18.5	23	-0.2	15	278	20	..	44	20	..
Franz Josef EWS	80	14.0	4.4	9.2	+0.2	21.2	23	-0.1	16	457	20	..	72	20	170
Haast AWS	1	13.4	5.8	9.6	+0.4	16.7	16	1.4	30	347	23	..	55	20	..
Milford Sound AWS	3	13.2	4.3	8.8	+0.2	16.4	16	0.1	15	790	22	..	143	9	..
Milford Sound EWS	3	12.9	4.2	8.6	..	16.4	16	0.2	15	869	21	..	156	9	..
Castle Mount EWS	2000	0.7	-6.3	-2.8	..	7.7	23	-11.8	14	801	25	..	293	12	..
Secretary Island AWS	19	12.3	7.0	9.7	-0.4	..	..	..	..	..	..	..	..	..	..
Stephens Island AWS	188	13.0	8.6	10.8	..	..	..	4.9	9	..	..	..	..	..	..
Motueka, Riwaka EWS	8	16.2	4.3	10.3	+0.0	..	..	..	..	212	12	+91	112	22	..
Nelson Aero	2	15.3	5.8	10.6	+0.2	19.8	24	0.1	1	127	11	+42	52	22	199
Appleby 2 EWS	18	15.4	3.7	9.6	-0.8	20.2	24	-1.4	1	116	9	..	56	22	209
Richmond EWS	1	15.5	4.7	10.1	..	20.4	24	0.4	1	121	10	..	52	22	219
Nelson AWS	6	15.1	6.0	10.6	+0.0	19.6	24	0.9	1	121	14	..	50	22	..
Blenheim Research EWS	4	16.0	6.5	11.3	+0.3	..	..	..	..	53	12	-2	24	22	..
Blenheim Aero AWS	36	15.8	4.9	10.4	+0.1	22.3	24	-2.3	18	68	11	+2	29	22	..
Brothers Island AWS	68	13.9	9.7	11.8	+0.2	19.8	24	6.9	9	..	..	..	..	..	..
Cape Campbell AWS	6	13.6	8.8	11.2	+0.1	..	..	5.2	18	..	..	..	..	..	..
Hanmer Forest EWS	363	15.7	1.4	8.6	+0.3	22.3	24	-3.3	3	107	17	+27	31	10	..
Kaikoura, Middle Cree	5	15.5	3.2	9.4	..	24.0	25	-1.5	9	99	22	..	58	26	..
Kaikoura AWS	108	14.8	6.7	10.8	+0.5	23.5	25	2.8	18	60	13	+3	33	26	..
Arthurs Pass EWS	745	9.0	0.8	4.9	-0.3	14.3	23	-5.2	1	746	19	+322	138	12	..
Arthurs Pass AWS	743	8.8	1.1	5.0	..	..	..	-3.8	1	..	..	..	..	..	..
Culverden AWS	181	14.7	4.1	9.4	..	..	..	-2.3	3	..	..	..	..	..	..
Medbury CWS	232	14.4	3.5	9.0	..	19.7	21	-2.8	3	54	12	..	14	25	..
Balmoral East CWS	172	14.9	2.7	8.8	..	20.2	3	-3.0	3	46	10	..	14	25	..
Waipara North Branch	560	12.4	3.7	8.1	..	17.4	3	-2.7	16	10	12	..	3	25	..
Waiiau School CWS	136	15.9	4.2	10.1	..	21.8	25	-1.9	3	59	10	..	16	26	..
Cheviot EWS	75	15.3	3.9	9.6	..	21.9	21	-2.7	18	..	..	..	..	..	199
Upper Rakaia EWS	1752	2.6	-3.7	-0.6	..	10.0	3	-8.0	27	192	24	..	43	12	..
Mt Potts EWS	2128	0.9	-6.0	-2.6	..	12.1	3	-11.1	28	..	..	..	..	..	..
Mt Cook EWS	730	11.2	1.7	6.5	-0.3	19.3	23	-2.7	15	635	18	+291	170	12	133
Mueller Hut EWS	1818	2.0	-4.2	-1.1	..	10.4	3	-8.4	15	168	24	..	65	12	..
Mt Cook Aero AWS	656	11.6	1.2	6.4	..	..	..	..	..	..	..	..	..	..	..
Cass EWS	571	12.3	1.5	6.9	..	16.1	3	-5.6	1	205	19	..	42	12	..
Methven, Three Spring	305	14.7	3.5	9.1	..	..	..	-3.2	1	..	..	..	..	..	..
Methven CWS	313	14.5	4.2	9.4	..	20.3	3	-2.1	1	49	15	..	10	12	..
Winchmore 2 EWS	164	15.2	3.4	9.3	..	..	..	-2.2	18	34	12	..	11	26	..
Chertsey CWS	108	14.5	4.7	9.6	..	19.8	4	-1.1	18	34	10	..	10	26	..
Mayfield at Ruapuna F	325	14.2	2.9	8.6	..	20.1	3	-3.7	1	62	20	..	12	26	..
Peel Forest	286	14.8	2.3	8.6	+0.1	21.2	4	..	..	54	26	-25	12	26	..
Ashburton Aero AWS	88	15.5	3.6	9.6	..	..	..	-3.2	18	..	..	..	..	..	..
Wakanui 2 CWS	53	15.7	4.6	10.2	..	22.3	4	-1.4	18	26	11	..	6	12	..
Waipara West EWS	130	15.5	5.3	10.4	..	20.4	21	-1.1	18	45	12	..	12	12	199
West Eyreton, Larunde	88	15.0	2.8	8.9	..	..	..	-2.7	1	..	..	..	..	..	..
Ohoka CWS		15.2	2.6	8.9	..	21.5	21	-2.8	3	42	16	..	18	12	..
Rangiora EWS	23	16.3	2.9	9.6	+0.2	22.4	4	-2.9	18	31	7	..	12	12	196
Christchurch Aero	37	15.6	3.1	9.4	+0.0	22.3	21	-3.2	18	39	18	-2	15	12	231
Christchurch Aero Bac	37	15.4	2.9	9.2	..	22.2	21	-3.2	18	34	14	..	14	12	..
Christchurch Gardens	7	16.5	5.0	10.8	+0.6	23.5	21	-1.0	18	19	11	-22	5	13	..
Christchurch, Kyle St	6	16.4	4.8	10.6	+0.4	24.0	21	-1.9	18	24	9	..	12	12	..
Bromley EWS	3	15.1	5.5	10.3	..	22.3	21	-0.2	15	20	7	..	12	12	231
Lincoln, Broadfield E	18	15.2	4.9	10.1	+0.5	21.4	21	-2.8	18	28	10	-12	10	12	214
Diamond Harbour EWS	122	14.2	6.1	10.2	..	20.0	21	0.1	18	27	8	..	10	12	223
Dorie CWS At Leferink	55	14.8	4.3	9.6	..	..	..	-2.6	18	..	..	..	..	..	..
Akaroa EWS	45	16.5	5.6	11.1	+0.7	22.6	4	-0.3	18	30	13	-40	11	13	209
Le Bons Bay AWS	238	12.5	6.0	9.3	+0.1	17.0	5	2.2	9	14	14	..	4	8	..
Lake Tekapo EWS	762	12.7	0.7	6.7	+0.0	18.7	4	-4.3	18	72	11	..	19	9	225
Fairlie AWS	403	14.4	3.7	9.1	..	..	..	-1.0	1	..	..	..	..	..	..
Pukaki Aerodrome AWS	461	14.3	-0.1	7.1	..	20.1	23	-5.3	1	47	11	..	16	12	..
Hakataramea Valley Cw	355	15.7	2.9	9.3	..	22.3	23	-1.9	1	19	6	..	8	12	..
Orari Estate EWS	81	16.3	2.3	9.3	..	23.4	4	-2.8	1	16	9	..	7	12	..
Timaru Aero AWS	27	15.5	2.0	8.8	+0.1	22.3	4	-4.0	1	28	8	-9	11	12	..

Summary of the records of Temperature, Rainfall and Sunshine September 2021

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine Hrs
		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	mm		
Timaru EWS	17	15.0	4.1	9.6	+0.3	22.0	9	-1.2	1	30	10	-5	11	12	..
Otaio @ Springbank ro	14	14.3	3.4	8.9	..	20.6	25	-0.6	1	33	10	..	11	12	..
Waimate CWS	39	15.2	3.3	9.3	..	22.1	9	-0.8	15	31	9	..	11	26	..
Oamaru Airport AWS	30	14.2	3.4	8.8	+0.0	20.5	4	-0.3	1	..	..	..	..	..	..
Albert Burn	1280	5.9	-1.5	2.2	..	14.5	23	-5.6	14	533	20	..	112	12	..
Mt Larkins EWS	1900	0.1	-6.4	-3.2	..	7.1	23	-12.5	14	..	..	..	..	..	..
Eglinton, Knobs Flat	365	11.1	2.1	6.6	..	..	..	..	..	465	20	..	91	12	..
Tara Hills AWS	485	13.6	1.3	7.5	+0.1	..	..	-3.9	1	..	..	..	..	..	..
Wanaka CWS	331	13.3	3.1	8.2	..	16.7	23	-2.0	15	78	9	..	18	12	..
Wanaka Aero AWS	352	13.7	3.3	8.5	+0.2	17.8	23	-2.2	15	82	12	+25	19	12	..
Windsor EWS	81	15.9	2.1	9.0	+0.3	21.2	23	-3.6	1	25	8	-3	10	26	..
Ranfurly EWS	450	14.0	0.9	7.5	+0.4	21.0	23	-5.0	18	38	11	+12	17	12	..
Oamaru AWS	40	14.5	4.3	9.4	+0.1	..	..	-0.5	27	..	..	..	..	..	..
Palmerston	21	15.2	1.6	8.4	-0.1	22.4	3	-3.8	1	39	10	-6	12	12	..
Middlemarch EWS	213	15.1	1.0	8.1	-0.4	..	..	..	..	38	11	..	20	12	..
Swampy Summit AWS	716	10.5	1.7	6.1	..	18.7	23	-3.0	27	..	..	..	..	..	..
Dunedin Aero AWS	2	15.3	1.8	8.6	-0.2	22.6	3	-4.0	15	50	14	+8	16	12	..
Dunedin, Musselburgh	4	14.7	5.6	10.2	+0.7	21.3	3	0.2	15	46	15	-2	11	12	212
Oamaru EWS	20	14.5	4.1	9.3	..	21.3	4	-0.2	27	20	9	..	6	13	231
Murchison Mtns EWS	1140	5.3	-0.8	2.3	..	13.4	23	-5.5	14	546	25	..	100	12	..
Te Anau At Park HQ Cw	204	11.4	3.0	7.2	..	18.7	23	-2.2	27	..	..	..	..	..	..
Manapouri, West Arm J	178	10.2	3.1	6.7	-0.4	16.0	23	-2.1	15	625	21	..	85	12	..
Manapouri Aero AWS	209	12.4	1.9	7.2	-0.2	19.8	23	-3.1	16	168	21	+62	28	12	..
Birchwood WXT AWS	149	13.4	3.7	8.6	..	..	..	-1.3	15	..	..	..	..	..	..
Queenstown EWS	322	13.5	3.6	8.6	..	..	..	-1.0	27	101	12	..	35	12	..
Queenstown Aero AWS	357	12.8	2.2	7.5	-0.1	18.3	23	-2.8	15	80	13	+13	22	12	203
Five Rivers CWS	260	13.1	3.0	8.1	..	20.7	23	-3.4	15	81	15	..	27	12	..
Lumsden AWS	194	13.5	3.2	8.4	+0.4	..	..	-2.7	15	..	..	..	..	..	..
Waipounamu CWS	152	13.9	2.5	8.2	..	21.3	23	-2.6	15	59	14	..	16	12	..
Cromwell EWS	213	15.6	3.1	9.4	+0.5	19.6	23	-2.4	15	43	9	..	16	12	221
Lauder EWS	375	14.2	2.2	8.2	+0.2	..	..	..	..	46	10	+23	20	12	..
Alexandra	150	17.1	2.0	9.6	+0.3	22.3	23	-3.6	15	37	14	..	17	12	169
Clyde 2 EWS	170	16.0	1.8	8.9	..	21.3	23	-3.2	15	40	11	..	16	12	..
Alexandra AWS	231	15.2	2.3	8.8	..	..	..	-3.2	15	..	..	..	..	..	..
Alexandra EWS	132	16.2	2.4	9.3	..	21.4	23	-2.7	15	35	10	..	17	12	224
Roxburgh WXT AWS	160	14.9	4.7	9.8	..	..	..	-1.0	18	..	..	..	..	..	..
Ettrick No.2	91	15.5	2.7	9.1	+0.4	21.7	23	-2.7	15	40	15	+3	10	12	..
Tapanui EWS	180	14.2	2.7	8.5	..	20.9	23	-3.4	18	78	16	..	19	12	..
Gore AWS	123	13.3	3.9	8.6	+0.2	..	..	..	..	..	..	..	..	..	..
Gore EWS	60	13.8	3.2	8.5	..	20.7	3	-1.8	15	90	19	..	16	9	168
Invercargill Aero	1	12.7	3.9	8.3	-0.3	..	..	..	..	..	..	..	..	..	..
Invercargill Aero AWS	3	12.8	4.0	8.4	+0.0	18.7	3	-1.8	15	149	23	..	25	12	..
Invercargill Aero 2 E		12.7	3.4	8.1	..	..	..	..	..	126	22	..	21	9	..
Tiwai Point EWS	5	12.0	4.8	8.4	-0.6	18.1	3	-0.1	18	161	23	+75	35	9	..
Stewart Island EWS	3	12.7	4.8	8.8	..	19.6	3	0.8	27	241	26	..	51	9	..
Balclutha, Finegand	6	14.8	3.9	9.4	+0.6	..	..	..	..	65	16	+19	24	12	..
Balclutha, Telford Ew	11	13.9	2.8	8.4	..	19.1	3	-1.8	1	55	17	..	18	12	152
Nugget Point AWS	131	12.6	4.9	8.8	+0.2	..	..	2.2	14	..	..	..	..	..	..
South West Cape AWS	103	11.1	6.5	8.8	+0.0	..	..	..	..	223	27	+112	36	20	..
Kiribati, Cassidy Chri	3	30.5	25.4	28.0	..	..	..	..	..	..	..	..	..	..	..
Solomon, Taro Is	3	31.0	..	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Munda	6	..	24.4	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	32.3	24.0	28.2	..	..	..	..	..	..	..	..	..	..	..
Solomon, Henderson	9	32.8	22.5	27.7	..	34.0	2	20.6	13	..	..	..	..	..	..
Solomon, Santa Cruz	24	..	24.3	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Sola	13	..	24.5	..	..	..	..	23.0	24	237	22	..	52	22	..
Vanuatu, Pekoa	56	28.6	23.1	25.9	..	..	..	..	..	167	19	..	28	13	..
Vanuatu, Bauerfield	20	27.5	19.5	23.5	..	31.9	22	14.9	4	..	..	..	..	..	..
Vanuatu, Burtonfield	70	27.0	18.0	22.5	..	..	..	..	..	..	..	..	..	..	..
New Cal, Koumac	18	26.0	15.8	20.9	..	29.4	30	13.7	24	3	4	..	2	14	..
New Cal, Oulop	7	26.7	19.8	23.3	..	29.7	15	..	..	..	..	..	..	..	..
New Cal, Ouanaham	29	26.4	17.2	21.8	..	29.4	15	11.5	6
New Cal, La Roche	42	26.0	14.3	20.2	..	28.4	15	8.7	1

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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	mm	mm	mm	
New Cal, La Tontouta	14	26.7	14.9	20.8	..	31.6	15	11.0	19	
New Cal, Nouma	72	26.1	17.3	21.7	..	31.6	14	15.6	4	24	13	..	5	2	
New Cal, Moue	97	23.9	17.0	20.5	..	26.7	22	14.0	18	..	..	..	..	..
Kiribati,Butaritari	2	32.3	25.3	28.8	..	33.0	5	..	..	..	..	..	..	..
Kiribati,Tarawa	2	..	26.8	..	..	..	..	..	..	..	..	..	..	..
Kiribati, Bonriki Int	4	31.6	26.6	29.1	..	..	..	23.5	14	..	..	..	..	..
Kiribati,Beru	2	..	26.4	..	..	..	..	25.1	7	..	..	..	..	..
Kiribati,Arorae	7	31.8	26.7	29.3	..	..	..	23.3	5	..	..	..	..	..
Tuvalu,Nui Is	2	30.7	26.7	28.7	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	31.9	27.2	29.6	..	32.8	27	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	29.8	21.6	25.7	..	..	..	20.5	15	..	..	..	..	..
Fiji,Nausori Aero	6	28.0	21.4	24.7	..	..	..	18.7	24	..	..	..	..	..
Wallis Island, Hihifo	27	30.3	25.1	27.7	..	31.1	29	21.6	25	..	..	..	..	..
Maopoopo, Futuna Isla	36	30.4	24.7	27.6	..	31.7	19	23.1	26	34	18	..	16	29	
Samoa,Faleolo	4	32.0	22.5	27.3	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	30.0	23.4	26.7	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	30.4	25.0	27.7	..	31.9	29	..	..	..	..	..	..	..
Tonga, Queen Lavinia	60	29.9	24.5	27.2	..	..	..	..	..	..	..	..	..	..
Tonga,Keppel	2	29.5	24.1	26.8	..	..	..	19.1	27	..	..	..	..	..
Tonga, Lupepauu	67	27.3	21.0	24.2	..	..	..	14.0	26	..	..	..	..	..
Salote Pilelevu Airpo	2	26.7	21.9	24.3	..	..	..	16.7	27	..	..	..	..	..
Tonga,Fuaamotu Aero	38	26.0	19.3	22.7	..	28.2	9	0.0	26	..	..	..	..	..
CI Rarotonga Aero	7	26.8	21.2	24.0	..	..	..	..	..	..	..	..	..	..
Vanuatu, Saratamata	18	28.9	20.7	24.8	..	..	..	15.6	30	..	..	..	..	..
Hiva Hoa, Atuona	51	29.4	22.9	26.2	..	31.5	10	21.5	11	29	20	..	6	14	
Society Is, Mopelia		28.8	23.4	26.1	..	29.7	2	19.9	11	..	..	..	..	..
Tahiti - Faaa	1	29.4	22.4	25.9	..	30.4	15	20.8	10	26	9	..	14	21	
Tuamotu, Takaroa	2	29.5	24.4	27.0	..	30.3	20	22.6	4	..	..	..	..	..
Tuamotu, Hao	3	27.4	23.6	25.5	..	28.0	13	22.3	9	..	..	..	..	..
Tubuai	2	25.4	19.7	22.6	..	27.8	21	15.8	10	..	..	..	..	..
Rapa	1	22.4	18.0	20.2	..	24.8	25	13.6	5	85	20	..	18	3	
Raoul Island AWS	50	20.2	14.5	17.4	..	22.5	16	10.2	21	145	17	..	26	1	
Campbell Island AWS	16	7.8	3.5	5.7	+0.0	..	..	-0.3	11	216	28	+98	23	12
Chatham Island Aero A	12	14.2	6.9	10.6	..	17.7	26	-0.1	2	89	19	..	23	11	
Georg Von Neumayer	40	-17.4	-26.0	-21.7	..	-6.6	5	-39.4	28	..	..	..	..	..
Ant South Pole	2827	-57.2	-65.4	-61.3	..	-47.4	19	-72.1	1	..	..	..	..	..
Gen Belgrano 2	256	-14.7	-21.7	-18.2	..	-5.0	14	-34.6	24	..	..	..	..	..
Bellingshausen	16	-0.4	-3.1	-1.8	..	2.5	22	-11.1	6	..	..	..	..	..
Base Jubany	4	1.4	-2.9	-0.8	..	5.5	8	-9.3	16	..	..	..	..	..
V C Marambio	198	-2.1	-11.5	-6.8	..	4.5	19	-20.2	2	..	..	..	..	..
Eduardo Frei	10	-0.7	-3.0	-1.9	..	2.0	22	-8.9	16	..	..	..	..	..
Arturo Prat		-0.2	-3.0	-1.6	..	..	..	..	..	..	..	..	..	..
Great Wall	10	-0.1	-3.3	-1.7	..	..	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	-0.5	-4.4	-2.5	..	2.6	22	-14.1	16	..	..	..	..	..
Palmer Station	8	-0.3	-4.5	-2.4	..	..	..	..	..	..	..	..	..	..
Rothera Point	16	-2.0	-6.6	-4.3	..	2.3	8	-14.9	17	..	..	..	..	..
Argentine Is, Faraday	11	-0.1	-4.8	-2.5	..	4.3	23	-10.8	17	..	..	..	..	..
Gen San Martin	4	-0.5	-12.0	-6.3	..	6.5	8	-25.6	16	..	..	..	..	..
Novolax Arevskaja	99	-13.1	-18.4	-15.8	..	-6.8	5	-31.3	27	..	..	..	..	..
Maitri		-12.4	-19.7	-16.1	..	..	..	..	..	..	..	..	..	..
Syowa	21	-12.9	-19.4	-16.2	..	-4.2	6	-29.1	11	..	..	..	..	..
Mawson	16	-10.8	-18.7	-14.8	..	..	..	..	..	..	..	..	..	..
Davis	13	-11.2	-19.3	-15.3	..	..	..	..	..	..	..	..	..	..
Progress	64	-11.3	-15.1	-13.2	..	-3.8	14	-25.1	30	..	..	..	..	..
Mirnyj	30	-12.2	-16.0	-14.1	..	-4.0	15	..	..	..	..	..	..	..
Vostok	3420	-58.8	-67.3	-63.1	..	-38.3	1	-76.3	30	..	..	..	..	..
Casey	41	-10.1	..	..	..	..	..	..	..	..	..	..	..	..
Durmont Durville	43	-12.2	-18.3	-15.3	..	-4.7	1	-24.0	12	..	..	..	..	..
Mcmurdo	24	-17.5	-27.0	-22.3	..	-11.7	6	-32.3	2	..	..	..	..	..
Arrival Heights EWS	218	-19.3	-28.0	-23.7	..	-13.1	6	-35.3	29	..	..	..	..	..
Scott Base EWS	20	-19.1	-31.1	-25.1	..	-12.1	6	-39.5	3	..	..	..	..	..
Scott Base 2 EWS	43	-18.5	-30.1	-24.3	..	-11.8	6	-38.0	2	
Darwin Airport	31	34.1	14.5	24.3	..	38.0	21	10.2	21	

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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	mm	mm	mm	
Hobart Airport	4	34.1	6.0	20.1	..	38.0	21	1.1	14
Late returns and corrections for August 2021															
Trounson CWS	244	15.2	8.1	11.7	..	18.4	28	2.3	10	114	23	-61	22	17	..
Lake Karapiro CWS	55	15.2	7.1	11.2	..	18.8	28	0.7	10	83	14	..	18	27	..
Pureora Forest CWS	549	10.6	2.9	6.8	..	15.1	28	-2.4	10	156	15	..	39	17	..
Paraparamu EWS	5	13.8	5.5	9.7	..	16.1	7	-1.8	31	126	17	+38	34	8	156
Milford Sound EWS	3	11.8	4.0	7.9	..	15.6	29	-0.5	21	741	25	..	128	12	..
Appleby 2 EWS	18	14.3	3.2	8.8	+0.2	16.8	12	-1.5	31	117	14	..	39	27	182
Boyle River Lodge	600	10.5	0.9	5.7	+0.6	..	..	..	..	..	..	..	..	..	..
Mt Cook EWS	730	8.4	0.8	4.6	+0.6	12.8	23	-4.7	9	288	23	-13	76	16	82
Balclutha, Finegand	6	12.7	1.7	7.2	+0.4	18.5	24	..	..	60	16	+18	10	7	..
Late returns and corrections for July 2021															
Trounson CWS	244	14.7	7.9	11.3	..	18.0	18	1.7	4	159	20	-101	19	12	..
Lake Karapiro CWS	55	14.7	6.0	10.4	..	17.9	26	1.2	5	87	12	..	26	6	..
Pureora Forest CWS	549	10.5	2.4	6.5	..	13.3	17	-4.4	5	200	14	..	69	17	..
Gisborne EWS	12	15.6	5.5	10.6	..	19.5	17	-0.3	5	35	15	..	7	17	..
Milford Sound EWS	3	10.5	3.1	6.8	..	15.8	25	-1.3	12	497	20	..	118	5	..
Wairau Valley, Mill R	172	12.5	1.6	7.1	..	17.0	31	-5.6	5	264	12	..	138	16	..
Boyle River Lodge	600	10.2	-0.5	4.9	+1.4	..	..	..	..	..	..	..	..	..	..
Stewart Is	3	11.0	4.1	7.6	+1.4	..	..	..	..	..	..	..	..	..	..
Late returns and corrections for June 2021															
Trounson CWS	244	16.3	10.4	13.4	..	20.0	10	1.6	30	162	20	-67	40	6	..
Matamata, Hinuera EWS	85	16.2	6.2	11.2	+2.4	20.0	10	-2.1	30	157	18	..	36	19	..
Tarapounamu EWS	701	11.5	5.3	8.4	..	..	..	..	..	163	19	..	34	27	..
Lake Karapiro CWS	55	16.1	8.8	12.5	..	19.2	10	2.0	30	92	16	..	34	19	..
Pureora Forest CWS	549	11.9	5.0	8.5	..	15.8	12	-2.6	24	143	12	..	63	27	..
Gisborne EWS	12	17.0	8.0	12.5	..	..	..	..	..	78	16	..	38	19	..
Ohakune EWS	607	13.5	3.8	8.7	+2.4	19.1	14	-3.6	24	92	16	-52	21	27	..
Milford Sound EWS	3	11.4	4.5	8.0	..	15.5	4	0.3	20	713	18	..	139	24	..
Wairau Valley, Mill R	172	13.8	4.7	9.3	..	19.0	10	-0.6	22	72	12	..	23	27	..
Middlemarch EWS	213	11.1	0.3	5.7	+1.4	..	..	..	..	38	13	..	13	13	..
Stewart Is	3	11.9	4.9	8.4	+1.7	..	..	..	..	..	..	..	..	..	..
Late returns and corrections for May 2021															
Kerikeri EWS	79	18.9	9.5	14.2	+0.0	22.8	12	3.9	5	96	22	-56	26	28	..
Trounson CWS	244	17.3	10.1	13.7	..	23.0	10	2.7	27	93	16	-95	17	30	..
Lake Karapiro CWS	55	18.0	9.1	13.6	..	21.5	20	2.9	14	38	14	..	9	14	..
Pureora Forest CWS	549	13.5	4.8	9.2	..	17.3	10	-3.0	14	61	12	..	13	17	..
Gisborne EWS	12	18.5	8.8	13.7	..	..	..	3.1	29	91	15	..	22	29	..
Milford Sound EWS	3	13.5	5.2	9.4	..	18.6	8	0.1	26	616	14	..	209	8	..
Cheviot EWS	75	17.3	2.7	10.0	..	28.2	9	..	..	23	5	..	14	12	..
Akaroa EWS	45	16.7	7.4	12.1	+1.6	27.0	11	2.8	13	253	7	+161	98	30	143
Late returns and corrections for April 2021															
Trounson CWS	244	19.8	11.5	15.7	..	24.2	12	5.7	29	134	18	+3	39	10	..
Lake Karapiro CWS	55	21.0	11.7	16.4	..	26.4	12	7.3	28	51	15	..	8	14	..
Pureora Forest CWS	549	16.2	7.1	11.7	..	20.9	12	0.0	29	56	14	..	16	10	..
Wairoa, North Clyde E	15	23.3	10.4	16.9	+2.2	30.6	5	4.4	29	1	1	-127	1	14	..
Milford Sound EWS	3	14.9	7.9	11.4	..	20.6	1	2.0	27	654	26	..	126	4	..
Wairau Valley, Mill R	172	18.9	7.7	13.3	..	24.4	5	0.3	29	49	11	..	19	10	..
Akaroa EWS	45	20.9	9.8	15.4	+2.5	30.0	4	3.6	28	56	6	-11	19	16	185
Late returns and corrections for March 2021															
Trounson CWS	244	22.4	13.2	17.8	..	25.4	2	7.4	22	37	13	-65	10	30	..
Tarapounamu EWS	701	16.8	8.7	12.8	..	..	..	..	..	52	9	..	22	4	..
Lake Karapiro CWS	55	23.4	14.0	18.7	..	27.1	2	9.2	21	145	14	..	68	30	..
Pureora Forest CWS	549	19.1	9.0	14.1	..	21.8	14	2.1	22	142	13	..	40	11	..
Dannevirke EWS	207	21.3	10.5	15.9	..	26.1	30	4.0	24	57	8	..	22	10	135
Wairoa, North Clyde E	15	24.1	13.4	18.8	+1.5	30.3	3	7.9	24	..	..	..	..	..	..
Wairau Valley, Mill R	172	20.9	9.4	15.2	..	28.1	14	2.4	20	86	10	..	45	31	..

Summary of the records of Temperature, Rainfall and Sunshine — Late returns

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 February 2021															
Trounson CWS	244	23.7	13.4	18.6	..	26.5	26	8.6	12	69	9	-35	60	14	..
Lake Karapiro CWS	55	26.6	14.8	20.7	..	30.7	21	9.8	18	12	6	..	6	15	..
Pureora Forest CWS	549	22.6	9.9	16.3	..	26.7	21	4.5	19	27	4	..	15	10	..
Martinborough EWS	20	25.1	10.0	17.6	-0.1	30.8	20	3.1	18	24	4	..	21	15	219
Waipawa EWS	130	25.6	9.7	17.7	..	..	..	..	..	28	3	..	17	15	..
Milford Sound EWS	3	20.4	11.8	16.1	..	24.1	23	6.9	12	143	8	..	80	8	..
Orari Estate EWS	81	21.2	10.3	15.8	..	..	..	..	..	..	..	..	..	..	..
Late returns and corrections for January 2021															
Trounson CWS	244	22.6	13.5	18.1	..	26.2	4	9.1	1	100	12	-5	55	3	..
Lake Karapiro CWS	55	25.6	14.6	20.1	..	30.9	14	9.8	21	38	10	..	8	7	..
Pureora Forest CWS	549	21.3	10.0	15.7	..	26.7	14	3.3	21	70	9	..	15	2	..
Martinborough EWS	20	25.0	12.0	18.5	+0.6	33.1	26	5.6	31	4	4	..	4	28	229
Milford Sound EWS	3	18.3	10.6	14.5	..	23.9	8	5.4	20	609	21	..	95	18	..
Alexandra CWS	140	23.4	11.6	17.5	..	31.7	16	5.9	29	124	11	..	50	2	..
Late returns and corrections for December 2020															
Trounson CWS	244	20.8	12.2	16.5	..	26.5	9	7.1	18	31	10	-86	18	9	..
Lake Karapiro CWS	55	23.6	13.2	18.4	..	28.5	31	8.1	29	30	9	..	12	27	..
Pureora Forest CWS	549	19.1	8.2	13.7	..	24.4	15	1.3	28	65	20	..	19	9	..
Martinborough EWS	20	21.0	11.5	16.3	-0.1	27.0	15	2.6	2	..	0	..	0	1	161
Ohakune EWS	607	20.6	8.0	14.3	+0.3	..	..	..	..	72	12	-50	19	9	..
Waiouru Airstrip AWS	820	17.4	6.9	12.2	..	22.0	22	..	..	..	..	..	..	..	..
Milford Sound EWS	3	17.6	10.2	13.9	..	22.0	18	4.3	12	506	23	..	82	19	..
Secretary Island AWS	19	..	10.6	..	..	..	..	..	..	..	..	..	..	..	..
Wairau Valley, Mill R	172	21.7	10.6	16.2	..	31.4	16	2.2	28	71	12	..	20	23	..
Sugar Loaf AWS	496	18.2	9.3	13.8	..	28.0	19	..	..	..	..	..	..	..	..
Queenstown	322	20.9	9.6	15.3	+0.1	29.5	15	3.2	1	62	14	-23	23	10	216
Alexandra CWS	140	23.2	9.9	16.6	..	30.5	15	2.6	1	40	14	..	13	31	..
Roxburgh WXT AWS	160	20.3	9.7	15.0	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	32.7	24.3	28.5	..	..	..	..	..	..	..	..	..	..	..
Tuvalu, Funafuti Aero	1	31.1	25.8	28.5	..	..	..	..	..	..	..	..	..	..	..
Tonga, Fuaamotu Aero	38	28.8	23.0	25.9	..	..	..	..	..	..	..	..	..	..	..
Niue, Hanan Airport O	59	..	22.4	..	..	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	28.9	22.9	25.9	..	30.5	4	..	..	..	..	..	..	..	..
Arrival Heights EWS	218	-0.8	-6.2	-3.5	..	3.7	20	-15.5	4	..	..	..	..	..	..
Late returns and corrections for November 2020															
Trounson CWS	244	19.7	11.5	15.6	..	23.3	25	6.7	21	117	21	+15	42	7	..
Purerua AWS	87	20.9	12.9	16.9	..	24.1	27	..	..	..	..	..	..	..	..
Whangaparaoa AWS	100	21.2	13.5	17.4	+1.3	23.6	6	..	..	..	..	..	..	..	..
Whitianga Aero AWS	5	21.6	12.2	16.9	+1.1	24.4	6	6.5	20	..	..	..	..	..	..
Paeroa AWS	19	21.8	11.5	16.7	+0.9	24.5	25	6.8	20	..	..	..	..	..	..
Kawerau AWS	42	22.1	11.3	16.7	..	25.9	16	..	..	..	..	..	..	..	..
Lake Karapiro CWS	55	21.2	12.6	16.9	..	24.8	25	8.0	20	129	16	..	36	9	..
Pureora Forest CWS	549	16.9	8.2	12.6	..	19.7	17	1.5	20	191	18	..	44	8	..
Takapau Plains AWS	346	18.4	9.0	13.7	+0.5	24.5	4	..	..	..	..	..	..	..	..
Hastings AWS	16	22.1	11.4	16.8	..	..	..	..	..	..	..	..	..	..	..
Wairoa Aero AWS	13	21.2	11.1	16.2	..	26.6	27	..	..	..	..	..	..	..	..
Farewell Spit AWS	3	20.9	12.3	16.6	+1.9	25.5	29	..	..	..	..	..	..	..	..
Milford Sound EWS	3	17.9	9.2	13.6	..	22.3	25	4.7	28	308	15	..	92	4	..
Wairau Valley, Mill R	172	18.9	9.4	14.2	..	..	..	4.0	28	146	20	..	49	7	..
Brothers Island AWS	68	15.5	12.0	13.8	+0.0	18.5	4	..	..	..	..	..	..	..	..
Cape Campbell AWS	6	15.8	11.6	13.7	+0.0	19.8	21	..	..	..	..	..	..	..	..
Cheviot EWS	75	19.9	8.5	14.2	..	29.4	13	1.9	12	62	14	..	15	30	..
Winchmore 2 EWS	164	18.9	7.6	13.3	..	27.6	17	2.4	24	92	9	..	45	7	181
Sugar Loaf AWS	496	16.3	7.9	12.1	..	23.9	13	..	..	..	..	..	..	..	..
Dunedin Aero AWS	2	18.9	6.9	12.9	+0.8	25.3	17	1.3	28	67	16	+17	32	5	..
Birchwood WXT AWS	149	16.9	7.9	12.4	..	23.7	4	..	..	..	..	..	..	..	..
Alexandra CWS	140	21.9	8.1	15.0	..	29.5	13	1.7	28	36	12	..	11	5	..
Alexandra AWS	231	20.9	6.7	13.8	..	28.6	13	..	..	..	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine — Late returns

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine Hrs	
		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	mm	Hrs		
Roxburgh WXT AWS	160	19.2	8.5	13.9	..	..	..	..	..	..	..	..	..	..
Fiji, Nadi EWS	15	31.7	23.6	27.7	..	..	..	20.7	30	132	12	..	48	27		
CI Rarotonga Aero	7	27.6	22.9	25.3	..	..	..	..	..	..	..	..	..	..
Progress	64	-1.4	-6.8	-4.1	..	..	..	..	..	..	..	..	..	..
Mirnyj	30	-2.9	-9.7	-6.3	..	..	2.7	21	-17.7	7	..	..	..	..
Arrival Heights EWS	218	-7.5	-15.1	-11.3	..	..	-1.8	27	-24.2	6	..	..	..	..
Late returns and corrections for October 2020																
Trounson CWS	244	19.0	10.0	14.5	..	..	23.1	24	2.9	17	52	10	-83	29	13	..
Taupo AWS	402	16.8	7.7	12.3	+1.2	..	..	..	..	..	52	13	-34	12	13	..
Lake Karapiro CWS	55	20.0	10.9	15.5	..	..	25.2	25	4.1	17	41	14	..	8	30	..
Pureora Forest CWS	549	15.7	6.5	11.1	..	..	22.9	5	-1.5	17	64	18	..	29	12	..
Porirua, Elsdon Park	7	16.4	10.0	13.2	..	..	..	0.5	16	..	..	..	..	..	..	..
Franz Josef EWS	80	15.3	7.8	11.6	+1.1	..	..	..	..	759	21	..	..	134	25	..
Milford Sound EWS	3	15.3	7.6	11.5	..	..	21.2	27	1.4	1	785	24	..	173	25	..
Stephens Island AWS	188	14.2	10.0	12.1	..	..	16.8	7	6.0	16	..	..	..	..	..	..
Wairau Valley, Mill R	172	17.8	7.7	12.8	..	..	24.6	25	-0.2	16	28	12	..	6	26	..
Cheviot EWS	75	18.7	6.7	12.7	..	..	27.4	25	-2.6	16	43	9	..	22	26	..
Alexandra CWS	140	19.6	6.2	12.9	..	..	27.9	25	-0.6	1	32	12	..	16	25	..
Fiji, Nadi EWS	15	31.1	22.8	27.0	..	..	34.0	5	19.9	29	129	14	..	35	2	..
Progress	64	-7.6	-13.3	-10.5	..	..	..	-29.9	3	..	..	..	..	..	..	..
Mirnyj	30	-8.7	-14.2	-11.5	..	..	-1.9	28	..	..	..	..	..	..	..	..
McMurdo	24	-13.4	-19.9	-16.7	..	..	..	..	..	..	..	..	..	..	..	..
Arrival Heights EWS	218	-15.2	-22.3	-18.8	..	..	-6.4	29	-32.2	1	..	..	..	..	..	..
Late returns and corrections for September 2020																
Trounson CWS	244	15.7	8.4	12.1	..	..	22.1	26	2.2	12	82	19	-71	18	27	..
Taupo AWS	402	13.7	5.2	9.5	+0.4	..	..	-3.5	12	66	16	..	-16	23	27	..
Lake Karapiro CWS	55	16.5	8.3	12.4	..	..	22.0	26	2.6	9	52	17	..	12	27	..
Pureora Forest CWS	549	12.1	4.0	8.1	..	..	16.4	26	-3.5	4	146	16	..	33	26	..
Martinborough EWS	20	15.7	6.9	11.3	+0.6	..	19.4	24	-1.2	8	112	11	..	29	17	168
Franz Josef EWS	80	13.3	4.5	8.9	-0.1	..	..	..	..	447	20	..	..	110	22	..
Milford Sound EWS	3	12.8	4.1	8.5	..	..	16.2	11	-0.5	30	1000	21	..	226	13	..
Wairau Valley, Mill R	172	15.9	5.3	10.6	..	..	19.9	24	-1.5	12	89	14	..	37	26	..
Boyle River Lodge	600	12.6	2.3	7.5	+0.0	..	20.0	23	..	..	376	..	+193	63	17	..
Mt Cook EWS	730	11.4	1.8	6.6	-0.2	..	..	..	..	604	20	+260	107	26	..	..
Lake Tekapo EWS	762	13.5	1.0	7.3	+0.6	..	..	..	..	..	..	..	..	..	..	..
Alexandra CWS	140	16.0	3.0	9.5	..	..	22.7	23	-1.4	3	19	14	..	6	9	..
Tuvalu,Nanumea Is	2	..	26.1	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	31.8	26.6	29.2	..	..	..	..	..	..	..	..	..	..	..	..
Bellingshausen	16	-3.3	-7.2	-5.3	..	..	1.0	10	-20.3	1	..	..	..	..	..	..
Arturo Prat	..	-2.7	-7.6	-5.2	..	..	1.4	14	..	..	..	..	..	..	..	..
Progress	64	-9.4	-13.6	-11.5	..	..	-1.3	23	..	..	..	..	..	..	..	..
Mirnyj	30	-11.2	-15.1	-13.2	..	..	..	..	-27.4	2	..	..	..	..	..	..
Late returns and corrections for August 2020																
Hamilton, Ruakura 2 E	45	16.8	5.4	11.1	+1.3	..	20.0	23	-2.5	16	98	17	-12	15	24	145
Lake Karapiro CWS	55	15.8	7.6	11.7	..	..	19.7	4	2.5	16	111	16	..	25	19	..
Pureora Forest CWS	549	11.2	3.2	7.2	..	..	14.2	5	-3.7	16	181	16	..	35	20	..
Gisborne EWS	12	16.5	6.5	11.5	..	..	23.0	31	..	..	44	12	..	13	11	..
Porirua, Elsdon Park	7	14.7	6.1	10.4	..	..	..	-1.9	15	..	..	..	..	..	..	..
Milford Sound EWS	3	12.7	4.6	8.7	..	..	14.7	22	0.1	26	450	20	..	73	31	..
Wairau Valley, Mill R	172	14.4	3.8	9.1	..	..	20.5	31	-2.4	17	64	10	..	15	23	..
Mt Cook EWS	730	11.1	1.5	6.3	+2.3	..	..	..	..	..	..	..	..	..	..	..
Alexandra CWS	140	14.3	1.4	7.9	..	..	21.3	31	-4.8	15	26	7	..	21	31	..
Balclutha, Telford Ew	11	12.4	3.6	8.0	..	..	18.8	31	-3.4	18	41	21	..	10	31	106
Maopoopo, Futuna Isla	36	30.1	25.1	27.6	..	..	..	..	..	..	..	..	..	..	..	..
Eduardo Frei	10	-6.1	-9.1	-7.6	..	..	1.6	4	-19.1	31	..	..	..	..	..	..
Bernado Ohiggins	10	-7.6	-10.5	-9.1	..	..	0.3	5	-19.6	31	..	..	..	..	..	..
Progress	64	-11.4	-14.8	-13.1	..	..	-4.0	17	..	..	..	..	..	..	..	..
Mirnyj	30	-13.3	-16.8	-15.1	..	..	-5.7	21	-25.0	25	..	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine — Late returns

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		
Late returns and corrections for July 2020															
Trounson CWS	244	14.4	8.3	11.4	..	18.8	16	2.9	10	259	19	-1	112	17	..
Matamata, Hinuera EWS	85	14.3	3.2	8.8	+0.5	19.0	18	..	..	116	13	..	27	6	..
Lake Karapiro CWS	55	14.3	7.0	10.7	..	17.8	18	1.1	2	84	14	..	21	5	..
Pureora Forest CWS	549	9.9	3.3	6.6	..	14.1	14	-2.9	10	149	15	..	33	5	..
Hastings AWS	16	14.2	3.9	9.1	..	..	..	-1.2	4	..	..	..	..	..	..
Milford Sound EWS	3	9.9	2.2	6.1	..	14.0	30	-0.9	18	590	22	..	182	11	..
Appleby 2 EWS	18	14.1	0.9	7.5	+0.1	..	..	..	..	15	6	..	11	20	..
Wairau Valley, Mill R	172	12.4	1.8	7.1	..	16.4	29	-3.4	3	44	8	..	26	5	..
Lincoln, Broadfield E	18	11.5	2.4	7.0	+0.9	..	..	-2.5	14	49	17	-9	19	8	..
Alexandra CWS	140	9.0	-0.6	4.2	..	15.2	26	-4.9	3	11	9	..	5	6	..
Stewart Is	3	10.7	3.8	7.3	+1.1	..	..	-3.0	22	149	25	+26	26	6	36
Solomon, Honiara	56	31.6	24.0	27.8	..	..	..	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	-5.1	-7.8	-6.5	..	0.3	11	-14.5	25	..	..	..	..	..	..
Progress	64	-11.5	-15.4	-13.5	..	..	..	..	..	..	..	..	..	..	..
Mirnyj	30	-14.0	-16.6	-15.3	..	..	..	-30.3	6	..	..	..	..	..	..
Late returns and corrections for June 2020															
Trounson CWS	244	15.2	9.9	12.6	..	17.3	3	5.2	8	215	23	-14	53	24	..
Matamata, Hinuera EWS	85	16.0	6.5	11.3	+2.5	..	..	..	..	109	14	..	33	18	..
Lake Karapiro CWS	55	15.7	8.9	12.3	..	18.2	4	3.7	10	86	16	..	28	18	..
Pureora Forest CWS	549	11.3	5.5	8.4	..	14.7	22	-1.7	10	190	15	..	67	18	..
Milford Sound EWS	3	11.6	3.3	7.5	..	16.6	14	0.1	13	381	14	..	81	15	..
Wairau Valley, Mill R	172	13.2	4.0	8.6	..	18.3	17	-2.2	14	75	13	..	49	4	..
Mt Cook Aero AWS	656	8.2	-1.7	3.3	..	16.3	16	-9.6	22	..	..	..	..	..	..
Lake Tekapo EWS	762	8.1	-1.7	3.2	+0.6	17.3	16	..	..	66	13	..	35	28	..
Tara Hills AWS	485	8.8	-2.9	3.0	+0.1	17.6	16	-7.9	1	..	..	..	..	..	..
Queenstown Aero AWS	357	9.4	-0.2	4.6	+0.7	..	..	..	..	..	..	..	..	..	131
Alexandra CWS	140	10.0	-1.0	4.5	..	19.2	17	-7.3	14	38	6	..	21	17	..
Nugget Point AWS	131	10.1	4.4	7.3	+0.5	..	..	0.3	23	..	..	..	..	..	..
Bellingshausen	16	-2.3	-4.8	-3.6	..	1.2	5	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	-3.8	-5.9	-4.9	..	0.9	20	..	..	..	..	..	..	..	..
Progress	64	-11.7	-14.7	-13.2	..	..	..	..	..	..	..	..	..	..	..
Mirnyj	30	-13.5	-17.2	-15.4	..	..	..	..	..	..	..	..	..	..	..
Vostok	3420	-62.8	-67.0	-64.9	..	-52.5	2	-73.5	15	..	..	..	..	..	..
Late returns and corrections for May 2020															
Trounson CWS	244	17.5	9.8	13.7	..	21.0	2	3.2	21	96	15	-92	29	31	..
Lake Karapiro CWS	55	17.7	8.6	13.2	..	21.8	2	2.4	23	71	7	..	55	3	..
Pureora Forest CWS	549	13.9	3.5	8.7	..	17.4	2	-5.5	23	70	9	..	34	3	..
Porirua, Elsdon Park	7	16.3	7.6	12.0	..	19.8	11	-0.2	20	..	..	..	..	..	..
Upper Hutt, Trentham	50	16.2	4.7	10.5	..	..	..	-4.1	20	128	9	..	38	3	..
Milford Sound EWS	3	13.4	5.5	9.5	..	18.7	1	1.0	31	531	15	..	219	21	..
Wairau Valley, Mill R	172	15.3	4.1	9.7	..	20.9	1	-2.5	21	119	7	..	52	24	..
Kaikoura AWS	108	14.7	8.9	11.8	+0.7	..	..	..	..	..	..	..	..	..	..
Mt Cook EWS	730	10.9	1.8	6.4	+0.2	..	..	..	..	222	21	-143	100	2	..
Lake Tekapo EWS	762	13.2	1.7	7.5	+1.6	..	..	..	..	18	8	..	7	2	..
Alexandra CWS	140	13.8	2.1	8.0	..	21.1	2	-2.8	21	4	4	..	3	2	..
Invercargill Aero 2 E		13.7	3.9	8.8	..	20.4	1	-2.1	19	13	12	..	4	4	138
Tuvalu, Funafuti Aero	1	32.7	27.3	30.0	..	..	..	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	-2.9	-5.0	-4.0	..	..	..	..	..	..	..	..	..	..	..
Progress	64	-11.4	-13.6	-12.5	..	..	..	-23.5	28	..	..	..	..	..	..
Mirnyj	30	-12.7	-15.5	-14.1	..	-2.9	1	..	..	..	..	..	..	..	..
Late returns and corrections for April 2020															
Kaitaia EWS	85	21.5	12.3	16.9	+0.0	..	..	..	..	27	14	-98	5	20	..
Trounson CWS	244	19.8	11.7	15.8	..	22.7	1	7.6	30	50	13	-81	10	12	..
Lake Karapiro CWS	55	20.8	10.9	15.9	..	26.5	1	7.7	10	47	9	..	16	8	..
Pureora Forest CWS	549	16.5	5.6	11.1	..	21.1	2	-0.5	10	89	9	..	36	17	..
Castlepoint AWS	120	18.1	13.0	15.6	+1.0	..	..	..	..	..	..	..	..	..	..
Whakatu EWS	5	21.2	7.7	14.5	+0.9	25.7	18	0.2	15	..	0	..	0	1	..
Cape Kidnappers WXT A 113	17.9	13.3	15.6	..	..	..	..	..	..	..	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine — Late returns

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine Hrs
		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	mm		
Porirua, Elsdon Park	7	18.1	9.5	13.8	..	..	..	2.2	15	..	..	..	..	..
Hokitika EWS	39	16.2	7.7	12.0	..	20.5	5	2.4	14	283	18	..	74	12	
Milford Sound EWS	3	14.6	7.1	10.9	..	21.2	5	3.0	14	612	22	..	102	12	
Wairau Valley, Mill R	172	19.4	6.8	13.1	..	24.5	11	-0.9	15	36	7	..	30	12	
Arthurs Pass	745	12.4	4.1	8.3	+0.1	19.3	3	-1.9	15	..	..	..	..	..
Cheviot EWS	75	19.9	5.0	12.5	..	..	..	..	..	4	5	..	1	20
Lake Tekapo EWS	762	16.9	3.3	10.1	+0.7	22.8	11	-1.6	15	60	8	..	15	18	
Albert Burn	1280	8.6	1.8	5.2	..	..	..	..	..	..	..	..	..	..
Alexandra CWS	140	18.9	4.3	11.6	..	24.2	11	1.0	21	24	12	..	8	12	
Tuvalu,Nui Is	2	..	26.8	..	..	..	..	..	..	..	..	..	..	..
Fiji, Nadi EWS	15	32.6	24.6	28.6	..	37.7	5	21.4	12	150	17	..	47	7	
Enderby Is AWS	39	11.1	7.7	9.4	..	..	..	3.2	14	..	..	..	..	..
Bellingshausen	16	0.8	-1.9	-0.6	..	3.6	7	-8.7	25	..	..	..	..	..
Eduardo Frei	10	0.5	-1.8	-0.7	..	3.7	8	-9.2	25	..	..	..	..	..
Progress	64	-9.2	-12.6	-10.9	..	-2.7	5	-22.4	27	..	..	..	..	..
Mirnyj	30	-8.4	-12.5	-10.5	..	-2.8	30	-22.5	12	..	..	..	..	..
Late returns and corrections for March 2020															
Trounson CWS	244	21.8	12.6	17.2	..	28.1	3	4.9	18	56	17	-46	9	23	
Lake Karapiro CWS	55	23.8	12.7	18.3	..	29.7	15	6.8	18	35	10	..	14	23	
Pureora Forest CWS	549	19.2	7.1	13.2	..	26.7	1	-0.8	18	78	10	..	28	9	
Turangi 2 EWS	360	20.7	7.1	13.9	-1.1	..	..	..	..	52	10	-56	10	9
Whakatu EWS	5	22.2	10.0	16.1	-0.1	28.2	22	2.1	25	9	4	..	4	4	
Milford Sound EWS	3	18.6	8.3	13.5	..	22.5	2	3.3	24	348	15	..	84	19	
Cheviot EWS	75	21.1	7.7	14.4	..	32.8	3	..	..	37	10	..	18	27
Lake Tekapo EWS	762	18.7	4.2	11.5	-1.1	..	..	..	..	31	8	..	12	26
Hakataramea Valley Cw	355	19.8	6.6	13.2	..	28.8	2	0.8	18	6	8	..	2	30	
Alexandra CWS	140	20.4	6.9	13.7	..	29.2	2	0.6	29	18	11	..	7	7	
Fiji, Nadi EWS	15	33.4	25.0	29.2	..	39.3	22	22.4	1	684	26	..	100	21	
Fiji,Nausori Aero	6	31.0	23.6	27.3	..	..	..	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	29.2	23.9	26.6	..	..	..	21.3	10	..	..	..	..	..
CI Rarotonga Aero	7	30.2	24.3	27.3	..	..	..	..	..	..	..	..	..	..
Eduardo Frei	10	2.0	-0.3	0.9	..	4.9	4	..	..	..	..	..	..	..
Arturo Prat	2	2.8	0.0	1.4	..	6.2	3	..	..	..	..	..	..	..
Bernado Ohiggins	10	0.0	-2.8	-1.4	..	..	..	..	..	..	..	..	..	..
Progress	64	-9.0	-12.8	-10.9	..	-0.3	2	..	..	..	..	..	..	..
Mirnyj	30	-9.7	-13.4	-11.6	..	-4.5	7	..	..	..	..	..	..	..
Arrival Heights EWS	218	-17.9	-24.9	-21.4	..	-7.2	7	-33.9	24	..	..	..	..	..
Late returns and corrections for February 2020															
Lake Karapiro CWS	55	28.0	15.2	21.6	..	31.5	12	10.6	10	12	3	..	9	23	
Pureora Forest CWS	549	23.6	10.3	17.0	..	27.3	26	3.6	10	15	5	..	8	23	
Martinborough EWS	20	26.1	14.1	20.1	+2.4	31.1	1	..	..	23	6	..	19	22
Takaka EWS	20	25.3	11.9	18.6	+1.2	32.8	2	7.8	10	104	8	-14	41	16	
Haast AWS	1	18.5	12.3	15.4	+0.5	21.1	15	7.8	10	..	..	..	..	..
Milford Sound EWS	3	19.2	11.6	15.4	..	23.4	16	6.9	9	1375	16	..	509	3	
Lake Tekapo EWS	762	25.3	10.1	17.7	+2.9	..	..	..	..	56	6	..	34	4
Alexandra CWS	140	24.9	11.0	18.0	..	29.6	17	4.3	23	96	10	..	53	4	
Tuvalu,Nanumea Is	2	..	25.3	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	30.8	26.0	28.4	..	32.6	29	24.0	19	..	..	..	..	..
Great Wall	10	4.6	1.5	3.1	..	..	..	..	..	..	..	..	..	..
Arrival Heights EWS	218	-6.3	-11.5	-8.9	..	..	..	..	..	..	..	..	..	..
Late returns and corrections for January 2020															
Trounson CWS	244	22.2	12.7	17.5	..	26.3	27	7.8	12	5	4	-100	4	28	
Warkworth EWS	72	24.2	12.6	18.4	-0.1	..	..	..	..	9	5	-77	5	14
Lake Karapiro CWS	55	25.6	14.2	19.9	..	33.3	26	10.1	12	1	3	..	1	13	
Pureora Forest CWS	549	21.7	9.1	15.4	..	28.9	26	3.1	12	22	5	..	12	29	
Milford Sound EWS	3	18.6	11.4	15.0	..	22.1	26	6.1	4	530	17	..	137	1	
Richmond EWS	1	23.1	12.9	18.0	..	..	..	..	..	3	2	..	3	7
Wairau Valley, Mill R	172	24.0	11.9	18.0	..	32.3	1	4.4	14	10	8	..	7	7	
Alexandra CWS	140	25.3	11.3	18.3	..	33.8	24	4.2	8	10	5	..	8	1	
Kiribati, Bonriki Int	4	31.9	26.3	29.1	..	..	..	..	..	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine — Late returns

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		
Tuvalu, Funafuti Aero	1	31.7	26.3	29.0	..	..	..	..	..	..	..	..	..	..
Fiji, Nadi EWS	15	31.9	23.5	27.7	..	34.2	10	20.9	2	77	14	..	31	16	
CI Rarotonga Aero	7	28.9	24.3	26.6	..	..	..	..	..	..	..	..	..	..
Arrival Heights EWS	218	-3.0	-8.0	-5.5	..	1.1	12	-11.5	11	..	..	..	..	..

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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