



Climate Database Statistics Report

November 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 November 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	20.1	14.5	17.3	+1.7	22.7	29	10.9	4	40	17	-17	13	12	..
Kaitaia Aero EWS	80	21.9	13.7	17.8	+2.0	24.7	30	9.1	2	68	10	-5	18	12	..
Kaitaia Aero AWS	77	21.9	13.7	17.8	..	25.0	30	9.0	2	81	17	..	22	12	..
Kaitaia EWS	85	21.4	14.4	17.9	+2.0	23.6	21	10.8	19	80	9	-2	26	12	161
Kerikeri EWS	79	22.3	13.4	17.9	+2.1	25.6	30	8.3	19	100	10	-8	24	14	..
Kerikeri Aerodrome Aw	149	21.8	13.2	17.5	+1.8	25.4	30	8.4	2	75	14	-39	21	5	..
Kaikohe AWS	204	21.2	13.1	17.2	+2.2	..	..	..	..	73	17	-23	19	13	..
Trounson CWS	244	20.7	12.4	16.6	..	25.0	21	6.7	19	73	11	-29	29	13	..
Dargaville 2 EWS	66	21.5	13.5	17.5	+1.9	26.2	21	8.7	19	60	7	+6	32	13	186
Purerua AWS	87	20.7	14.2	17.5	..	..	..	..	..	61	10	..	18	4	..
Russell CWS	15	22.0	13.2	17.6	..	25.1	14	7.4	19	..	..	..	..	..	..
Whangarei Aero AWS	38	23.0	14.3	18.7	+2.2	26.3	14	9.4	19	50	12	-26	15	2	..
Whangarei EWS	12	22.9	13.2	18.1	..	26.7	14	7.1	19	52	11	..	16	2	182
Mokohinau AWS	70	19.8	15.9	17.9	+1.5	..	..	..	..	..	..	..	..	..	..
Leigh 2 EWS	27	23.3	14.8	19.1	+2.9	26.5	11	11.5	2	108	10	+39	39	13	..
Warkworth EWS	72	22.3	12.2	17.3	+2.1	25.6	29	6.5	19	73	11	-19	48	13	..
Whangaparaoa AWS	100	22.5	14.5	18.5	+2.4	..	..	..	..	..	..	..	..	..	..
Tiri Tiri Lighthouse	76	20.8	13.5	17.2	+1.4	23.8	29	10.2	4	69	13	+12	24	14	..
Auckland, Whenuapai A	26	21.9	12.6	17.3	+1.9	25.0	29	6.2	2	42	9	..	19	13	..
Auckland, North Shore	64	22.6	13.4	18.0	..	25.7	7	7.2	2	42	10	..	20	13	199
Auckland, Motat EWS	16	22.8	13.5	18.2	..	25.7	27	6.7	2	44	9	..	16	13	240
Waiheke Island, Awaro	34	22.9	14.3	18.6	..	25.7	30	10.5	27	66	8	-15	22	13	..
Whitianga Aero AWS	5	22.1	13.0	17.6	+1.8	..	..	..	..	..	..	..	..	..	..
Whitianga EWS	1	23.1	12.8	18.0	..	28.5	29	6.9	2	70	10	..	26	13	..
Thames 2	3	22.8	13.3	18.1	+2.1	..	..	7.0	2	..	..	..	..	..	..
Paeroa AWS	19	23.2	12.7	18.0	+2.2	..	..	..	..	..	..	..	..	..	..
Matamata, Hinuera EWS	85	23.2	12.0	17.6	+3.1	26.4	29	5.5	2	124	11	..	53	7	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	220
Tauranga Aero AWS	5	22.2	14.5	18.4	+2.5	25.6	29	11.1	1	..	..	..	..	..	..
Te Puke EWS	123	22.9	13.5	18.2	+3.3	27.9	29	10.3	18	33	12	-69	17	13	..
Whakatane Aero AWS	8	21.5	13.3	17.4	+2.1	23.9	27	9.0	2	26	9	-50	9	13	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	128
Whakatane EWS	1	21.9	13.4	17.7	..	24.3	27	8.5	1	30	11	..	11	13	..
Mamaku Radar WXT AW617	17.6	11.1	14.4	..	..	..	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	24.6	13.0	18.8	..	..	..	..	..	..	..	..	..	..	..
Rotorua EWS	288	21.6	11.9	16.8	..	25.7	29	7.8	2	43	11	..	13	13	228
Rotorua Aero AWS	286	20.9	11.5	16.2	+2.3	25.1	29	7.6	19	..	..	..	..	..	..
Galatea AWS	175	22.3	12.2	17.3	..	..	..	..	..	33	13	..	15	30	..
Taupo CWS	360	22.5	10.7	16.6	..	27.0	29	6.6	1	..	..	..	..	..	..
Tarapounamu EWS	701	17.1	7.4	12.3	..	23.2	29	2.0	4	71	14	..	13	13	..
Taupo AWS	402	20.5	10.4	15.5	+2.4	24.7	29	5.6	2	16	9	-52	9	13	..
Motu EWS	488	20.0	9.9	15.0	+3.0	25.1	11	4.3	2	158	13	-16	24	17	..
Auckland, Mangere 2 E	16	22.0	14.1	18.1	..	24.6	30	7.8	2	28	10	..	10	13	222
Auckland Aero	7	22.1	14.4	18.3	+2.1	25.0	30	8.2	2	37	12	-35	12	12	..
Auckland Aero Backup	7	21.9	14.4	18.2	..	24.7	12	8.3	2	15	6	..	8	3	..
Ardmore Aero AWS	41	22.6	12.9	17.8	..	..	..	..	..	..	..	..	..	..	..
Pukekohe EWS	88	22.1	12.9	17.5	+2.4	24.4	10	7.1	2	75	16	-23	22	13	..
Firth Of Thames EWS	3	22.7	12.1	17.4	..	25.1	29	4.2	2	61	14	..	16	23	207
Whatawhata 2 EWS	118	21.7	12.0	16.9	+2.2	25.2	23	6.5	2	103	13	-28	53	13	..
Hamilton, Ruakura 2 E	45	23.1	12.0	17.6	+2.7	25.9	29	5.4	2	72	13	-11	40	13	198
Hamilton AWS	53	22.5	11.8	17.2	+2.5	25.2	29	5.3	2	70	12	-19	34	13	..
Lake Karapiro CWS	55	23.3	13.7	18.5	..	27.7	9	8.8	2	75	12	..	34	23	..
Port Taharoa AWS	18	20.7	14.3	17.5	+2.0	23.7	21	9.7	2	55	17	..	24	13	..
Awakino EWS	400	18.2	10.9	14.6	..	20.6	4	6.4	4	122	13	..	56	13	101
Waikeria EWS	37	23.0	11.4	17.2	..	26.3	29	4.8	2	78	12	..	26	13	206
Te Kuiti EWS	61	23.1	10.2	16.7	+1.9	26.7	23	4.2	2	59	13	-58	23	13	200
Pureora Forest CWS	549	19.0	8.9	14.0	..	22.5	29	2.6	2	73	18	..	19	6	..
Taumarunui EWS	170	22.5	10.3	16.4	..	25.5	10	5.5	20	81	13	..	21	13	..
Taumarunui AWS	186	22.7	10.3	16.5	..	..	..	..	..	84	14	..	17	13	..
Turangi 2 EWS	360	21.4	9.6	15.5	+2.2	27.6	29	4.1	2	43	10	-82	26	13	217
New Plymouth AWS	28	19.9	11.7	15.8	+1.6	22.6	24	6.0	20	118	11	+14	36	13	267
Lower Retaruke CWS	233	22.0	10.5	16.3	..	25.5	23	5.5	20	81	12	-49	29	13	..
Mt Ruapehu, Chateau E 1097	16.1	5.7	10.9	+2.5	21.9	29	0.4	26	198	15	-38	58	13	..	

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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		
Pahiatua EWS	110	20.4	10.7	15.6	..	25.0	11	3.1	25	51	13	..	17	14	..
Masterton Aero AWS	105	21.6	9.9	15.8	..	27.2	29	3.1	2	20	11	..	4	16	..
Masterton EWS	90	22.5	9.9	16.2	..	28.2	10	3.7	18	11	9	..	4	16	231
Masterton, Te Ore Ore	110	22.0	10.7	16.4	..	28.8	10	4.0	19	15	12	-54	3	6	..
Takapau Plains AWS	346	19.9	10.1	15.0	+1.8	..	..	..	..	72	20	..	9	14	..
Dannevirke EWS	207	20.8	11.1	16.0	..	27.6	13	5.6	25	49	13	..	12	16	206
Cape Turnagain AWS	285	16.5	12.0	14.3	..	23.2	14	7.9	4	70	14	..	20	4	..
Akitio EWS	245	17.8	11.6	14.7	..	23.9	14	7.9	4	69	13	..	21	4	245
Castlepoint AWS	120	18.4	12.8	15.6	+1.2	25.1	29	9.2	4	..	..	..	..	..	..
Baring Head	79	17.4	12.3	14.9	..	21.1	25	8.6	4	20	22	..	4	28	..
Te Wharau, Brackenfie	292	19.5	8.8	14.2	..	25.2	13	4.4	25	52	8	..	14	4	..
Martinborough EWS	20	21.6	11.4	16.5	+2.5	26.8	13	4.3	18	7	8	..	2	28	197
Ngawi AWS	8	20.1	13.4	16.8	+1.4	24.4	13	9.5	4	64	11	..	24	5	..
Hicks Bay AWS	46	19.9	13.9	16.9	+1.7	..	..	..	..	108	12	+27	32	13	..
Gisborne AWS	5	22.0	13.5	17.8	+2.0	27.2	14	7.5	2	289	12	+226	95	3	222
Gisborne EWS	12	23.1	13.5	18.3	..	28.1	30	8.2	2	197	9	..	74	3	..
Tolaga Bay WXT AWS	15	20.4	13.3	16.9	..	..	..	..	..	285	9	..	178	3	..
Napier Aero AWS	3	21.2	12.8	17.0	+1.7	29.4	14	6.3	25	127	11	+71	40	3	..
Napier EWS	7	21.7	13.6	17.7	..	30.1	14	7.7	25	77	11	..	23	3	216
Maraekakaho CWS	150	21.9	11.3	16.6	..	29.7	14	3.3	25	51	14	..	16	30	..
Hastings AWS	16	23.3	12.7	18.0	..	..	..	..	..	..	..	..	..	..	..
Whakatu EWS	5	22.0	11.3	16.7	+2.2	31.3	14	6.8	18	59	12	..	18	3	..
Waipawa EWS	130	22.7	9.5	16.1	..	29.5	14	2.7	25	43	14	..	6	2	175
Wairoa, North Clyde E	15	22.9	13.1	18.0	+2.3	28.9	14	8.8	25	156	10	+81	57	3	..
Wairoa Aero AWS	13	21.4	12.8	17.1	..	..	..	..	..	103	9	..	59	3	..
Mahia Radar WXT AWS	419	17.4	12.4	14.9	..	..	..	..	..	..	..	..	..	..	..
Mahia AWS	136	19.4	13.6	16.5	+1.6	..	..	..	..	238	12	+162	86	4	..
Cape Kidnappers WXT A	113	18.5	14.1	16.3	..	25.1	13	10.2	4	..	..	..	..	..	..
Paraparaumu Aero	5	19.1	12.2	15.7	+1.8	21.7	23	7.5	23	72	12	-7	14	21	213
Paraparaumu Aero AWS	8	19.0	12.3	15.7	+1.8	21.8	23	7.6	23	74	13	-6	14	21	220
Paraparaumu EWS	5	18.6	11.6	15.1	..	21.3	23	6.8	23	64	12	-6	13	21	212
Ohakea AWS	47	20.2	11.7	16.0	..	24.9	12	7.9	19	62	10	..	11	30	..
Palmerston North AWS	39	20.7	11.3	16.0	+1.9	24.7	12	6.6	8	79	10	+4	21	21	..
Palmerston North EWS	21	20.7	11.5	16.1	+1.9	25.0	12	6.6	19	77	10	-3	23	14	183
Levin AWS	15	20.1	12.0	16.1	+2.1	23.0	6	7.6	24	116	12	+17	26	13	..
Levin EWS	23	20.4	11.1	15.8	..	23.6	11	5.7	24	99	11	..	22	29	229
Mana Island AWS	110	16.7	12.4	14.6	..	..	..	..	..	43	14	..	11	21	..
Porirua, Elsdon Park	7	18.7	13.0	15.9	..	..	..	..	..	53	15	..	12	21	..
Wellington, Kelburn A	125	17.7	12.2	15.0	+1.6	21.1	27	8.8	4	60	13	-38	10	12	206
Wellington Aero	4	18.6	13.2	15.9	+1.4	..	..	..	..	30	13	-45	5	21	..
Wellington, Greta Poi	3	19.3	13.2	16.3	..	23.3	8	9.3	24	29	11	..	9	16	..
Wellington Aero Backu	4	18.7	13.3	16.0	..	22.3	29	9.2	24	31	13	..	6	21	..
Upper Hutt, Trentham	50	19.5	11.2	15.4	..	23.4	8	5.3	19	58	11	..	23	21	197
Stratford EWS	280	19.3	9.2	14.3	+1.8	22.2	8	3.9	20	85	12	-67	17	16	201
Hawera AWS	100	18.8	11.5	15.2	+2.1	..	..	..	..	..	..	..	..	..	..
Ohakune EWS	607	19.3	8.0	13.7	+2.1	..	..	..	..	71	12	-53	20	14	..
Waiouru Treatment Pla	806	18.4	7.6	13.0	+2.8	22.6	29	2.7	20	60	14	-19	19	30	..
Waiouru Airstrip AWS	820	17.2	7.1	12.2	..	20.8	29	0.6	20	53	21	..	10	29	..
Waiouru EWS	803	18.2	7.6	12.9	..	22.3	29	2.9	2	64	20	..	18	30	..
Flat Hills WXT AWS	262	19.7	11.2	15.5	..	..	..	..	..	55	11	-30	13	17	..
Whanganui, Spriggens	15	20.9	12.3	16.6	+1.7	25.7	13	9.0	19	66	7	-9	27	16	..
Wanganui AWS	14	20.5	12.3	16.4	+1.9	25.3	13	9.1	24	52	7	-22	13	29	..
Wanganui 2 AWS	18	21.8	12.2	17.0	..	..	..	..	..	..	..	..	..	..	..
Takaka EWS	20	21.8	9.6	15.7	+1.7	26.4	13	4.3	20	97	12	-62	41	21	239
Farewell Spit AWS	3	22.0	12.9	17.5	+2.8	..	..	..	..	71	12	-9	27	21	..
Westport Aero AWS	5	18.1	11.7	14.9	+1.7	20.5	29	6.6	4	229	16	+61	97	27	..
Westport EWS	6	18.8	12.4	15.6	..	22.3	28	6.5	4	216	14	..	94	27	236
Arapito EWS	3	19.5	10.9	15.2	..	23.1	29	4.4	4	199	15	..	90	28	209
Hokitika Aero	39	18.1	10.7	14.4	+1.8	21.3	29	5.7	3	253	14	+28	117	27	228
Hokitika AWS	40	18.0	10.7	14.4	+1.8	21.2	29	5.4	4	253	16	+56	114	27	254
Hokitika EWS	39	18.0	10.5	14.3	..	21.2	29	5.2	4	235	15	..	110	27	..
Reefton EWS	198	21.3	10.0	15.7	+2.3	28.0	29	3.2	4	143	11	-19	50	27	200
Greymouth Aero EWS	5	18.5	11.0	14.8	..	21.7	29	4.7	6	280	15	..	165	27	..

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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		
Pigeon Creek CWS	105	19.1	10.0	14.6	..	25.0	29	4.7	4	428	15	..	162	27	..
Mt Philistine EWS	1655	8.6	2.4	5.5	..	15.4	29	-2.8	3	..	..	..	..	..	..
Mahanga EWS	1995	7.7	0.8	4.3	..	12.8	30	-6.1	3	339	20	..	63	27	..
Ivory Glacier CWS	1390	10.3	2.8	6.6	..	16.1	29	-1.4	17	795	15	..	183	27	..
Okarito EWS	1	18.0	9.8	13.9	..	20.9	29	5.4	17	325	14	..	130	27	..
Franz Josef EWS	80	18.2	9.0	13.6	+2.0	22.4	29	4.8	3	391	13	..	152	27	177
Haast AWS	1	16.9	8.9	12.9	+1.0	20.2	11	4.5	1	225	18	..	43	26	..
Milford Sound AWS	3	17.5	8.9	13.2	+1.0	22.3	29	5.3	4	451	14	..	95	26	..
Milford Sound EWS	3	16.8	8.8	12.8	..	20.7	11	5.3	3	491	16	..	102	26	..
Castle Mount EWS	2000	5.6	-0.2	2.7	..	12.7	30	-5.7	17	488	19	..	133	11	..
Secretary Island AWS	19	..	10.4	..	..	..	..	..	..	..	..	..	..	..	..
Puysegur Point AWS	45	14.9	10.2	12.6	+1.5	19.0	9	7.5	27	313	18	+110	83	16	..
Stephens Island AWS	188	16.5	12.1	14.3	..	..	..	..	..	..	..	..	..	..	..
Motueka, Riwaka EWS	8	21.0	10.5	15.8	+1.6	26.4	13	5.2	4	42	9	-57	21	27	..
Pelorus Sd, Crail Bay	13	19.1	12.9	16.0	+1.4	..	..	..	..	..	..	..	..	..	..
Nelson Aero	2	19.9	11.9	15.9	+1.6	23.0	14	7.6	18	27	13	-51	10	27	216
Appleby 2 EWS	18	20.3	9.0	14.7	+0.7	23.8	26	1.5	4	23	10	..	8	27	231
Richmond EWS	1	20.4	10.8	15.6	..	23.5	27	4.6	4	24	9	..	10	27	237
Nelson AWS	6	19.9	12.0	16.0	+1.4	..	..	6.7	4	29	13	..	10	27	..
Blenheim Research EWS	4	21.0	11.6	16.3	+1.6	26.7	29	6.3	18	14	10	-37	5	27	228
Blenheim Aero AWS	36	21.2	10.7	16.0	+1.7	26.8	26	2.6	18	18	9	-37	8	27	..
Brothers Island AWS	68	16.4	12.7	14.6	+0.8	..	..	..	..	46	15	..	18	12	..
Grassmere Salt Works	2	20.0	13.7	16.9	+1.8	27.0	13	10.1	2	15	8	-34	10	27	..
Cape Campbell AWS	6	16.7	12.4	14.6	+0.9	..	..	..	..	10	7	-32	7	27	..
Hanmer Forest EWS	363	21.9	6.9	14.4	+2.3	29.9	29	0.4	18	60	11	-34	31	27	..
Kaikoura, Middle Cree	5	18.4	9.5	14.0	..	27.1	12	4.4	19	45	12	..	37	27	..
Kaikoura AWS	108	17.5	11.1	14.3	+1.0	25.6	12	7.0	4	19	9	-40	10	27	..
Arthurs Pass	745	16.1	6.4	11.3	+1.9	23.5	29	-0.4	4	..	..	..	..	..	..
Arthurs Pass EWS	745	16.1	6.2	11.2	+1.7	23.5	29	-0.5	4	443	13	+52	109	27	..
Arthurs Pass AWS	743	15.6	6.5	11.1	..	..	..	-0.1	4	469	15	..	118	27	..
Culverden AWS	181	19.4	9.7	14.6	..	..	..	..	..	33	7	..	19	27	..
Medbury CWS	232	19.1	8.6	13.9	..	26.6	25	1.0	4	61	8	..	35	27	..
Balmoral East CWS	172	19.2	9.2	14.2	..	26.7	25	2.6	4	57	14	..	22	27	..
Waipara North Branch	560	17.4	8.0	12.7	..	23.2	29	-0.5	4	13	12	..	4	27	..
Waiiau School CWS	136	20.7	9.6	15.2	..	28.7	25	3.0	5	32	5	..	17	27	..
Cheviot EWS	75	18.8	9.1	14.0	..	27.1	26	2.5	19	29	7	..	21	27	..
Upper Rakaia EWS	1752	8.4	1.7	5.1	..	14.8	29	-4.1	4	213	17	..	48	13	..
Mt Potts EWS	2128	7.1	-0.2	3.5	..	16.9	29	-7.1	17	108	15	..	29	27	..
Mt Cook EWS	730	17.8	6.5	12.2	+1.3	25.7	29	0.4	28	303	11	-64	76	15	184
Mueller Hut EWS	1818	8.2	1.8	5.0	..	16.9	29	-4.5	17	308	18	..	88	12	..
Mt Cook Aero AWS	656	18.3	5.4	11.9	..	..	..	..	..	177	10	..	55	27	..
Cass EWS	571	19.1	6.0	12.6	..	27.7	29	-3.8	4	138	10	..	63	27	..
Methven CWS	313	17.9	8.6	13.3	..	26.6	12	0.8	4	86	12	..	35	27	..
Winchmore 2 EWS	164	18.7	8.4	13.6	..	26.9	12	0.4	4	50	10	..	28	27	207
Chertsey CWS	108	18.0	9.3	13.7	..	26.4	12	1.1	4	44	8	..	25	27	..
Mayfield at Ruapuna F	325	18.1	8.1	13.1	..	25.2	12	0.7	4	104	22	..	42	27	..
Peel Forest	286	18.0	8.1	13.1	+1.2	26.7	12	-0.1	4	115	26	+17	43	27	..
Lismore, Racemans Hou	168	18.9	..	..	..	..	..	..	..	68	8	..	31	27	..
Ashburton Aero AWS	88	18.7	8.8	13.8	..	..	..	..	..	68	13	..	33	27	..
Waipara West EWS	130	19.7	9.7	14.7	..	28.6	25	2.5	19	45	6	..	30	27	193
Ohoka CWS		18.1	9.3	13.7	..	27.4	26	2.3	4	41	12	..	24	27	..
Rangiora EWS	23	19.1	9.8	14.5	+1.4	27.6	12	3.7	4	43	9	..	27	27	206
Christchurch Aero	37	18.7	9.7	14.2	+0.7	28.0	12	0.4	4	25	12	-21	15	27	210
Christchurch Aero Bac	37	18.7	9.6	14.2	..	28.0	12	0.5	4	23	9	..	14	27	..
Christchurch Gardens	7	19.5	10.6	15.1	+1.0	29.0	26	4.1	4	41	15	-5	16	30	..
Christchurch, Kyle St	6	19.3	10.8	15.1	+1.0	29.5	26	4.3	4	21	9	..	12	27	..
Christchurch Botanic	17	19.5	10.7	15.1	..	28.9	12	4.2	4	20	9	..	12	27	..
Bromley EWS	3	18.4	11.1	14.8	..	27.8	12	7.6	4	5	6	..	2	13	226
Lincoln, Broadfield E	18	18.6	10.4	14.5	+1.2	28.1	12	0.7	4	28	6	-21	17	27	213
Sugar Loaf AWS	496	15.4	8.3	11.9	..	..	..	..	..	..	..	..	..	..	..
Diamond Harbour EWS	122	17.0	10.6	13.8	..	24.9	26	5.7	4	28	10	..	14	27	217
Akaroa EWS	45	19.6	10.1	14.9	+0.9	27.4	26	4.1	4	24	10	-46	16	27	217
Le Bons Bay AWS	238	15.2	9.6	12.4	+0.4	23.2	26	5.9	4	39	14	..	23	27	..

Summary of the records of Temperature, Rainfall and Sunshine November 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		
Lake Tekapo, Air Safa	762	18.3	5.8	12.1	+0.9	24.4	12	-1.0	4	86	10	+45	47	27	..
Lake Tekapo EWS	762	18.9	5.2	12.1	+1.0	25.6	12	-2.0	4	88	9	..	46	27	259
Fairlie AWS	403	17.0	8.0	12.5	..	..	..	..	..	92	16	..	42	27	..
Pukaki Aerodrome AWS	461	20.4	5.6	13.0	..	26.5	8	-2.1	4	90	11	..	25	27	..
Hakataramea Valley Cw	355	19.7	7.7	13.7	..	27.9	12	-0.9	4	49	10	..	14	13	..
Orari Estate	81	18.5	8.7	13.6	+0.8	..	..	0.2	4	71	10	+17	37	27	..
Orari Estate EWS	81	18.8	8.5	13.7	..	29.2	12	-0.4	4	71	8	..	35	27	..
Timaru Aero AWS	27	17.6	8.5	13.1	+0.8	30.7	12	-0.4	4	63	14	+13	20	27	..
Timaru EWS	17	17.2	9.8	13.5	+0.7	31.1	12	2.2	4	76	12	+29	24	13	..
Otaio @ Springbank ro	14	16.6	9.5	13.1	..	29.6	12	1.9	4	74	12	..	25	13	..
Waimate CWS	39	17.4	9.4	13.4	..	30.0	12	2.6	1	67	13	..	22	13	..
Oamaru Airport AWS	30	16.4	9.2	12.8	+0.8	28.7	12	3.5	1	50	11	+8	16	13	..
Albert Burn	1280	12.2	3.5	7.9	..	21.1	30	-0.8	4	206	15	..	46	26	..
Eglinton, Knobs Flat	365	18.4	6.6	12.5	..	26.4	6	-0.9	3	158	13	..	32	15	..
Tara Hills AWS	485	19.5	5.8	12.7	+0.5	..	..	..	..	69	11	+27	13	15	..
Wanaka CWS	331	20.0	8.6	14.3	..	27.2	30	1.9	4	66	10	..	15	21	..
Wanaka Aero AWS	352	20.7	8.5	14.6	+1.6	27.4	29	2.6	4	80	9	+45	20	13	..
Windsor EWS	81	18.2	8.2	13.2	+0.9	29.0	12	0.0	1	67	14	+30	20	13	..
Ranfurly EWS	450	19.4	5.7	12.6	+1.3	26.5	29	-2.2	4	39	9	+3	11	21	..
Oamaru AWS	40	15.4	7.2	11.3	-1.2	..	..	2.3	1	58	10	..	19	21	..
Palmerston	21	17.8	8.0	12.9	+1.0	29.0	12	0.8	5	61	11	+18	24	13	..
Middlemarch EWS	213	19.9	7.1	13.5	+1.4	27.6	12	-2.1	4	77	13	..	26	21	186
Swampy Summit AWS	716	14.3	5.6	10.0	..	23.9	12	0.3	3	..	..	..	..	..	..
Dunedin Aero AWS	2	18.8	7.6	13.2	+1.1	28.5	12	0.3	6	57	13	+7	24	13	..
Dunedin, Musselburgh	4	17.4	10.2	13.8	+1.4	21.7	9	6.2	3	47	11	-9	24	13	237
Oamaru EWS	20	15.7	8.7	12.2	..	..	..	1.3	1	81	15	..	23	2	..
Murchison Mtns EWS	1140	11.1	3.8	7.5	..	18.9	29	-2.2	3	251	17	..	49	26	..
Te Anau At Park HQ Cw	204	17.9	7.7	12.8	..	25.9	29	1.3	3	..	..	..	..	..	..
Manapouri, West Arm J	178	17.5	7.8	12.7	+2.0	24.7	11	2.6	4	291	16	..	53	26	..
Manapouri Aero AWS	209	18.4	6.5	12.5	+1.5	24.4	6	-0.9	3	110	13	+14	29	15	..
Birchwood WXT AWS	149	16.9	8.0	12.5	..	..	..	..	..	79	14	..	28	26	..
Queenstown EWS	322	19.3	7.5	13.4	..	25.8	29	..	..	36	8	..	8	16	..
Queenstown Aero AWS	357	18.9	7.1	13.0	+1.1	25.5	29	1.0	1	56	8	-12	15	21	245
Five Rivers CWS	260	17.7	6.8	12.3	..	24.3	29	-0.4	3	92	14	..	23	21	..
Lumsden AWS	194	17.8	6.8	12.3	+0.9	..	..	..	..	97	14	..	24	26	..
Waipounamu CWS	152	18.6	7.1	12.9	..	24.6	11	0.0	4	67	13	..	20	26	..
Cromwell EWS	213	21.9	7.8	14.9	+1.2	29.5	29	1.4	1	39	8	..	11	21	248
Lauder EWS	375	19.7	6.6	13.2	+1.1	25.9	29	-0.4	1	66	10	+25	24	13	..
Ophir 2	305	20.4	5.6	13.0	..	27.2	29	-2.4	4	60	10	..	15	13	..
Alexandra	150	22.8	8.1	15.5	+1.3	28.8	29	1.0	2	49	11	..	14	13	228
Clyde 2 EWS	170	21.3	7.2	14.3	..	27.5	12	-0.1	1	45	10	..	13	13	..
Alexandra AWS	231	20.7	7.5	14.1	..	..	..	..	..	51	11	..	14	21	..
Alexandra EWS	132	21.7	8.2	15.0	..	28.7	12	1.2	1	40	9	..	12	13	236
Roxburgh WXT AWS	160	18.7	8.4	13.6	..	..	..	..	..	..	..	..	..	..	..
Ettrick No.2	91	20.2	8.1	14.2	+1.7	26.0	11	1.5	1	56	8	+2	16	26	..
Tapanui EWS	180	19.5	7.5	13.5	..	26.1	11	1.7	3	55	11	..	12	26	..
Gore AWS	123	18.0	8.1	13.1	+1.7	..	..	..	..	77	13	-7	20	26	..
Gore EWS	60	18.3	7.5	12.9	..	24.1	12	1.7	3	69	13	..	20	26	205
Invercargill Aero	1	17.3	8.2	12.8	+1.4	24.5	11	2.9	3	82	16	-8	19	13	203
Invercargill Aero AWS	3	17.4	8.1	12.8	+1.4	24.2	11	2.4	4	86	16	..	20	13	..
Invercargill Aero 2 E		17.3	7.5	12.4	..	24.4	9	2.4	3	70	16	..	17	13	..
Tiwai Point EWS	5	16.0	9.1	12.6	+0.8	22.0	11	4.0	28	79	16	-8	18	16	..
Stewart Is	3	16.3	9.7	13.0	+2.1	..	..	..	..	..	..	..	..	..	..
Stewart Island EWS	3	16.1	8.7	12.4	..	20.6	9	3.1	3	106	19	..	28	26	..
Balclutha,Finegand	6	19.6	8.0	13.8	+1.6	27.0	12	1.6	4	70	9	+19	25	13	..
Balclutha, Telford Ew	11	17.8	7.4	12.6	..	26.3	12	1.0	4	..	..	..	..	..	164
Nugget Point AWS	131	15.8	8.7	12.3	+1.1	..	..	..	..	62	13	-4	21	13	..
Tautuku	25	17.1	8.0	12.6	+1.3	24.0	12	4.0	3	74	8	-37	26	26	..
South West Cape AWS	103	15.1	9.4	12.3	+1.7	21.0	11	6.2	3	77	20	-32	20	26	..
Kiribati,Cassidy Chri	3	30.1	24.8	27.5	..	..	..	..	..	..	..	..	..	..	..
Solomon, Taro Is	3	32.3	..	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Munda	6	..	23.9	..	..	..	..	22.4	14	..	..	..	..	..	..
Solomon, Honiara	56	32.5	23.9	28.2	..	33.8	1	22.5	4	..	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine November 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		mm		mm	mm			
Solomon, Henderson	9	32.7	22.8	27.8	..	35.3	11	..	..	..	..	..	..	..
Solomon, Santa Cruz	24	..	24.1	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Sola	13	..	24.6	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Pekoa	56	29.8	23.1	26.5	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	30.3	21.8	26.1	..	..	..	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	29.6	21.5	25.6	..	..	..	..	..	..	..	..	..	..
New Cal, Koumac	18	29.9	..	..	..	..	..	..	..	..	..	..	..	..
New Cal, Oulop	7	29.0	22.0	25.5	..	30.6	30	17.4	7	..	..	..	..	..
New Cal, Ouanaham	29	28.5	19.9	24.2	..	30.6	22	13.5	7	..	..	..	..	..
New Cal, Nouma	72	29.1	21.1	25.1	..	33.0	15	17.7	4	..	..	..	..	..
Kiribati,Butaritari	2	31.9	25.3	28.6	..	..	..	..	..	..	..	..	..	..
Kiribati,Tarawa	2	..	26.2	..	..	..	..	23.8	12	13	7	..	8	11
Kiribati, Bonriki Int	4	31.0	26.4	28.7	..	..	..	..	..	..	..	..	..	..
Kiribati,Beru	2	..	25.8	..	..	..	..	..	..	..	..	..	..	..
Kiribati,Arorae	7	31.6	26.2	28.9	..	..	..	24.2	17	..	..	..	..	..
Tuvalu,Nanumea Is	2	..	26.1	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	31.7	25.7	28.7	..	..	..	23.5	9	..	..	..	..	..
Tuvalu,Funafuti Aero	1	31.8	26.7	29.3	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	31.9	25.1	28.5	..	..	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	31.6	23.1	27.4	..	35.1	5	22.0	1	..	..	..	..	..
Fiji,Nausori Aero	6	30.5	22.8	26.7	..	32.1	24	20.6	19	..	..	..	..	..
Wallis Island, Hihifo	27	30.5	24.9	27.7	..	31.6	27	23.2	14	..	..	..	..	..
Maopoopo, Futuna Isla	36	31.1	24.6	27.9	..	..	..	..	..	..	..	..	..	..
Samoa,Faleolo	4	31.7	23.4	27.6	..	33.2	23	..	..	..	..	..	..	..
Samoa, Apia	1	30.1	24.2	27.2	..	30.9	26	22.6	22	..	..	..	..	..
Samoa, Pago Pago Aero	3	30.4	25.5	28.0	..	..	..	22.5	11	364	22	..	70	16
Tonga, Queen Lavinia	60	30.5	24.3	27.4	..	..	..	..	..	..	..	..	..	..
Tonga,Keppel	2	30.4	24.2	27.3	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	29.3	22.8	26.1	..	..	..	..	..	..	..	..	..	..
Salote Pilelevu Airpo	2	28.8	23.7	26.3	..	..	..	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	29.1	22.5	25.8	..	31.4	27	19.1	15	..	..	..	..	..
CI Rarotonga Aero	7	28.1	21.5	24.8	..	..	..	..	..	..	..	..	..	..
Vanuatu, Saratamata	18	30.8	..	..	..	..	..	..	..	124	23	..	27	3
Hiva Hoa, Atuona	51	30.4	22.7	26.6	..	32.6	21	21.7	12	..	..	..	..	..
Tahiti - Faaa	1	30.3	23.8	27.1	..	31.9	26	21.7	12	..	..	..	..	..
Tuamotu, Takaroa	2	30.2	24.3	27.3	..	31.4	28	23.2	5	..	..	..	..	..
Tuamotu, Hao	3	28.0	24.2	26.1	..	29.6	25	22.4	2	..	..	..	..	..
Gambier, Rikitea	91	26.2	21.0	23.6	..	28.1	30	19.0	8	..	..	..	..	..
Tubuai	2	26.6	20.9	23.8	..	29.1	27	16.5	7	..	..	..	..	..
Rapa	1	23.6	18.9	21.3	..	..	..	..	..	..	..	..	..	..
Raoul Island AWS	50	23.9	19.2	21.6	..	26.0	24	15.2	13	171	19	..	44	5	
Campbell Island AWS	16	10.6	5.5	8.1	+0.9	..	..	-0.7	11	93	23	-13	23	7
Chatham Island Aero A	12	18.0	10.9	14.5	..	..	..	4.4	19	41	8	..	20	21
Georg Von Neumayer	40	-6.7	-13.8	-10.3	..	-0.5	20	-25.9	5	..	..	..	..	..
Ant South Pole	2827	-36.4	-40.2	-38.3	..	-22.3	25	-46.9	4	..	..	..	..	..
Gen Belgrano 2	256	-2.7	-10.9	-6.8	..	4.0	30	-16.2	11	..	..	..	..	..
Bellingshausen	16	1.2	-1.1	0.1	..	3.1	6	-7.1	24	..	..	..	..	..
Base Jubany	4	3.2	-1.1	1.1	..	6.0	2	-5.1	22	..	..	..	..	..
V C Marambio	198	2.3	-3.1	-0.4	..	8.9	26	-9.1	22	..	..	..	..	..
Eduardo Frei	10	0.5	-1.3	-0.4	..	..	..	-4.0	22	..	..	..	..	..
Arturo Prat		2.0	-0.7	0.7	..	5.9	14	..	..	..	..	..	..	..
Great Wall	10	..	-1.1	..	..	..	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	1.4	-1.5	-0.1	..	6.9	11	..	..	..	..	..	..	..
Palmer Station	8	1.9	-1.1	0.4	..	..	..	..	..	..	..	..	..	..
Rothera Point	16	0.0	-2.4	-1.2	..	2.1	11	-5.7	23	..	..	..	..	..
Argentine Is, Faraday	11	1.1	-3.3	-1.1	..	3.3	29	-10.1	19	..	..	..	..	..
Gen San Martin	4	3.1	-5.9	-1.4	..	6.9	4	-9.8	19	..	..	..	..	..
Novolax Arevskaja	99	-2.6	-8.9	-5.8	..	2.1	19	-15.2	1	..	..	..	..	..
Syowa	21	-3.1	-10.0	-6.6	..	2.1	19	-19.3	3	..	..	..	..	..
Mawson	16	-3.2	-11.8	-7.5	..	3.6	21	-19.5	1	..	..	..	..	..
Davis	13	-3.5	-12.0	-7.8	..	..	..	-19.3	4	..	..	..	..	..
Progress	64	-3.0	-9.8	-6.4	..	3.3	20	-18.3	5	..	..	..	..	..
Mirnyj	30	-5.6	-12.7	-9.2	..	3.9	30	-18.9	1	..	..	..	..	..

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

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		
Vostok	3420	-36.2	-47.7	-42.0	..	-25.8	22	..	..	..	..	..	..	..
Casey	41	-3.9	-12.8	-8.4	..	1.4	29	-17.6	10	..	..	..	..	..
Wilkins Runway East	755	-8.7	-19.8	-14.3	..	..	..	..	..	..	..	..	..	..
Durmout Durville	43	-3.2	-10.2	-6.7	..	2.7	29	-14.8	8	..	..	..	..	..
Mcmurdo	24	-5.2	-11.3	-8.3	..	-0.9	25	-17.5	2	..	..	..	..	..
Arrival Heights EWS	218	-7.2	-12.7	-10.0	..	..	..	..	..	..	..	..	..	..
Scott Base EWS	20	-6.4	-13.8	-10.1	..	-2.1	22	-25.0	2	..	..	..	..	..
Scott Base 2 EWS	43	-6.2	-13.6	-9.9	..	-1.8	22	-23.7	2	..	..	..	..	..
Casey, Skiway South	392	-3.8	-14.3	-9.1	..	..	..	..	..	..	..	..	..	..
Darwin Airport	31	31.4	19.2	25.3	..	..	..	15.2	13	..	..	..	..	..
Hobart Airport	4	31.1	8.9	20.0	..	38.3	15	2.9	15	66	16	..	27	10	
Late returns and corrections for October 2021															
Kaitaia Aero EWS	80	18.8	12.0	15.4	+0.9	22.2	20	4.3	15	175	14	+82	55	23	
Taupo AWS	402	16.7	7.4	12.1	+1.0	22.6	26	-1.0	14	139	16	+53	43	17	
Waiouru Treatment Pla	806	14.7	5.8	10.3	+1.9	22.1	26	-0.6	3	70	19	-30	13	29	
Taihape Rec	433	18.0	7.6	12.8	+1.8	..	..	..	..	..	..	..	..	..
Blenheim Research EWS	4	18.9	8.8	13.9	+1.0	24.6	26	1.3	14	70	12	+7	31	29	
Cheviot EWS	75	17.0	6.5	11.8	..	23.7	25	0.2	15	39	15	..	8	4	
Christchurch Aero	37	17.5	7.2	12.4	+1.0	24.3	17	-0.5	1	67	15	+18	22	4	
Alexandra	150	20.1	5.0	12.6	+0.7	..	..	..	..	30	8	..	19	11
Stewart Is	3	14.8	8.8	11.8	+2.2	..	..	..	..	..	..	..	..	..
Balclutha, Telford Ew	11	15.4	6.3	10.9	..	20.9	30	1.9	22	..	..	..	..	143
Vanuatu, Saratamata	18	30.3	21.9	26.1	..	..	..	..	..	..	..	..	..	..
Tuamotu, Takaroa	2	30.1	24.5	27.3	..	30.8	3	23.1	22	..	..	..	..	..
Late returns and corrections for September 2021															
Auckland Aero Backup	7	16.8	9.8	13.3	..	21.0	16	5.8	19	..	..	..	..	..
Waiouru Treatment Pla	806	11.0	1.9	6.5	-0.2	16.2	25	-2.8	1	109	18	+17	23	13	
Late returns and corrections for August 2021															
Scott Base	19	-27.3	-39.3	-33.3	..	-11.4	28	-53.0	19	..	..	..	..	..
Late returns and corrections for July 2021															
Waiouru Treatment Pla	806	9.0	1.1	5.1	+0.8	14.5	30	-5.5	5	117	15	+13	32	17	
Late returns and corrections for June 2021															
Alexandra	150	10.6	2.2	6.4	+2.7	..	..	..	..	33	10	..	10	13
Fiji,Nadi Aero	15	28.5	19.9	24.2	..	30.1	17	16.8	27	..	..	..	..	..
Late returns and corrections for May 2021															
Wellington Aero	4	16.0	10.6	13.3	+0.8	19.7	6	..	..	118	15	+32	38	31
Lake Tekapo, Air Safa	762	12.2	0.4	6.3	+0.4	19.8	10	..	..	213	15	+157	101	29
Base Jubany	4	0.2	-4.1	-2.0	..	7.7	11	-12.3	31	..	..	..	..	..
Late returns and corrections for March 2021															
Thornbury	20	19.3	7.9	13.6	..	..	..	..	..	..	..	..	..	..
Scott Base	19	-15.0	-23.7	-19.4	..	-5.9	29	..	..	..	..	..	..	..
Late returns and corrections for December 2020															
Waiouru Treatment Pla	806	18.4	7.2	12.8	+0.2	23.6	18	-0.2	2	32	12	-58	8	5	
Late returns and corrections for November 2020															
Invercargill Aero	1	17.1	7.3	12.2	+0.8	24.2	13	2.1	28	..	..	..	..	..
Late returns and corrections for October 2020															
Waiouru Treatment Pla	806	15.2	4.8	10.0	+1.6	22.1	5	-2.2	17	89	14	-11	20	14	
Balclutha,Finegand	6	15.7	4.9	10.3	-0.2	..	..	..	..	61	..	+0	12	3
Late returns and corrections for September 2020															
Peel Forest	286	16.1	2.2	9.2	+0.7	22.6	23	-3.2	29	63	14	-16	16	17	
Christchurch Gardens	7	17.5	4.8	11.2	+1.0	26.0	23	-2.5	30	27	7	-14	10	10	

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 August 2020															
Invercargill Aero	1	12.1	3.6	7.9	+1.2	18.0	31	-2.0	15	101	17	+25	24	31	126
Bellingshausen	16	-5.9	-9.1	-7.5	..	1.4	4	..	..	..	..	..	..	..	..
Late returns and corrections for April 2020															
Ohoka CWS		18.6	5.5	12.1	..	25.6	7	-1.2	21	14	8	..	11	17	..
Late returns and corrections for February 2020															
Hokitika Aero	39	19.7	12.8	16.3	+0.3	23.9	15	7.1	23	242	18	+53	102	21	156

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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