



Climate Database Statistics Report

November 2023

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 2023

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	18.3	12.7	15.5	+0.1	..	..	..	..	..	..	..	..	..
Kaitaia Aero EWS	80	20.3	12.0	16.2	+0.3	23.8	17	8.1	13	83	12	+16	26	18	
Kaitaia Airport AWS	77	20.2	11.8	16.0	..	24.0	23	8.0	13	87	13	..	27	18	
Kaitaia EWS	85	20.0	12.7	16.4	+0.8	23.1	23	8.4	13	94	12	+18	25	22	
Kerikeri EWS	79	21.6	11.1	16.4	+0.4	24.7	21	6.1	7	73	13	-13	25	18	
Kerikeri Aerodrome Aw	149	20.8	11.0	15.9	+0.3	24.7	17	6.4	7	62	17	-38	27	18	
Kaikohe AWS	204	19.5	11.3	15.4	+0.2	22.1	17	7.6	13	124	15	+35	43	18	
Dargaville 2 EWS	66	19.6	12.5	16.1	+0.4	24.6	17	7.4	13	36	11	-30	7	3	
Purerua AWS	87	20.6	12.2	16.4	+0.6	23.6	1	9.0	7	63	15	-4	20	3	
Russell CWS	15	21.3	10.4	15.9	..	24.3	1	6.1	7	61	16	-14	23	18	
Whangarei Aero AWS	37	20.6	12.7	16.7	+0.1	25.0	17	7.5	13	57	12	-19	16	3	
Whangarei EWS	12	21.3	11.3	16.3	+0.3	25.5	17	5.3	13	69	11	..	20	19	
Mokohinau Island AWS	70	18.9	14.6	16.8	+0.4	22.0	23	11.4	25	..	..	..	..	..
Leigh 2 EWS	27	22.0	13.3	17.7	..	25.2	21	9.3	7	66	14	+1	32	2	
Warkworth EWS	72	20.2	10.2	15.2	+0.3	24.7	21	5.3	12	51	11	-32	12	18	
Whangaparaoa AWS	100	21.3	12.9	17.1	+1.1	26.4	21	9.4	7	83	15	+24	24	3	
Auckland, Whenuapai A	26	20.1	11.2	15.7	+0.3	24.5	21	6.3	12	..	..	..	..	..
Auckland, North Shore	64	20.5	11.9	16.2	+0.8	24.6	21	7.3	7	72	13	+1	15	14	
Auckland, Henderson N	7	21.8	11.2	16.5	+0.3	26.4	20	5.9	12	64	14	-25	16	17	
Auckland, Motat EWS	16	20.7	12.4	16.6	..	24.8	21	7.2	7	57	11	..	16	18	
Manukau Heads EWS	240	17.3	12.4	14.9	..	21.2	22	9.4	8	68	10	..	28	18	
Whitianga Aero AWS	5	20.8	11.5	16.2	+0.5	24.5	17	6.2	12	53	13	-45	14	3	
Whitianga EWS	1	21.6	11.3	16.5	+0.7	25.2	23	6.4	12	43	9	..	14	19	
Thames EWS	3	21.5	11.6	16.6	..	25.7	22	7.6	9	76	16	..	13	20	
Matamata, Hinuera EWS	85	20.9	10.3	15.6	+1.2	25.4	21	5.0	9	106	13	+30	29	18	
Tauranga CWS	3	20.2	12.6	16.4	..	24.8	21	9.0	4	127	14	..	41	19	
Tauranga Aero AWS	2	20.9	12.5	16.7	+0.6	24.8	21	8.0	14	134	15	+71	39	19	
Te Puke EWS	123	21.3	11.6	16.5	+1.3	25.4	26	6.9	14	143	14	+50	46	19	
Whakatane Aero AWS	8	20.8	11.7	16.3	+0.9	25.2	22	4.2	11	75	14	+11	17	18	
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	225
Whakatane EWS	1	21.8	12.4	17.1	..	26.6	22	6.0	11	56	12	..	17	18	
Mamaku Radar WXT AWS	17	15.3	8.8	12.1	+0.4	..	..	..	..	..	..	..	..	..
Rotorua EWS	288	18.8	9.0	13.9	..	22.8	22	3.4	11	123	14	..	28	18	
Rotorua Aero AWS	286	19.3	9.6	14.5	+0.7	23.1	21	4.1	14	125	14	+38	35	18	
Galatea AWS	175	20.2	10.6	15.4	+0.9	24.0	22	1.9	11	..	..	..	..	..
Taupo CWS	360	20.5	9.3	14.9	..	25.6	22	1.8	11	106	16	..	37	7	
Tarapounamu EWS	701	15.4	7.0	11.2	-0.4	19.6	23	1.9	11	135	19	+43	55	7	
Taupo Aero AWS	402	18.7	8.6	13.7	+0.6	22.2	1	0.1	11	123	13	+58	42	7	
Motu EWS	488	18.0	9.3	13.7	+1.6	21.9	5	3.7	11	187	17	+22	34	25	
Auckland, Mangere 2 E	16	20.4	13.1	16.8	..	24.1	20	8.7	10	66	11	+9	24	18	
Auckland Aero	7	20.2	13.2	16.7	+0.5	..	..	9.9	25	..	..	..	..	..
Auckland Aero Backup	7	20.2	13.3	16.8	+0.7	24.0	20	9.9	25	..	..	..	..	..
Ardmore Aero AWS	41	20.6	10.9	15.8	..	25.0	20	7.0	6	..	..	..	..	..
Pukekohe EWS	88	19.1	10.0	14.6	-0.5	23.0	22	6.2	7	78	13	-10	16	3	
Firth Of Thames EWS	3	21.5	10.4	16.0	+0.8	25.5	22	5.2	9	68	13	+3	15	3	
Whatawhata 2 EWS	118	20.4	10.7	15.6	+1.0	26.7	21	6.7	11	78	11	-53	20	17	
Hamilton, Ruakura 2 E	45	21.1	10.3	15.7	+0.9	25.7	22	5.4	6	63	9	-16	19	17	
Hamilton Aero AWS	53	20.5	10.3	15.4	+0.7	25.1	21	5.8	9	..	..	..	..	..
Lake Karapiro CWS	55	20.9	12.3	16.6	+1.1	25.8	22	8.3	9	60	12	-19	17	18	
Port Taharoa AWS	18	18.7	13.0	15.9	+0.5	21.9	19	9.3	9	47	15	-42	21	18	
Awakino EWS	400	16.5	9.7	13.1	..	23.4	21	6.2	11	24	6	-113	23	28	
Waikeria EWS	37	22.0	11.8	16.9	..	29.7	22	5.6	30	44	10	-36	16	18	
Te Kuiti EWS	61	21.1	9.2	15.2	+0.7	27.0	21	3.4	11	83	14	-32	21	18	
Pureora Forest CWS	549	17.0	7.3	12.2	+0.7	21.5	22	1.4	9	73	9	-31	33	7	
Taumarunui EWS	170	20.0	9.1	14.6	+0.8	26.2	22	2.2	11	98	17	-26	20	7	
Taumarunui AWS	186	20.4	8.6	14.5	+0.5	27.5	22	1.7	11	106	20	..	25	7	
Turangi 2 EWS	360	18.8	7.5	13.2	+0.3	22.8	22	-1.1	11	121	14	+5	34	18	
New Plymouth Aero AWS	28	18.2	11.1	14.7	+0.7	21.9	22	5.0	12	158	16	+54	71	19	
Lower Retaruke CWS	233	19.4	9.3	14.4	+0.5	..	..	..	..	..	..	..	..	..
Mt Ruapehu, Chateau E	1097	14.7	4.3	9.5	+1.1	19.6	26	-2.9	14	67	16	-179	14	18	
Pahiatua EWS	110	18.1	9.1	13.6	+0.5	23.1	1	-0.7	11	71	14	..	13	28	
Masterton Aero AWS	105	19.1	8.8	14.0	+0.4	26.0	23	-0.4	11	76	15	..	19	19	
Masterton EWS	90	19.9	8.7	14.3	+0.7	26.6	1	-0.3	11	66	14	..	19	19	

Summary of the records of Temperature, Rainfall and Sunshine November 2023

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		
Masterton, Te Ore Ore	110	20.3	9.6	15.0	+0.5	25.3	27	0.4	11	68	14	-4	16	19	..
Takapau Plains AWS	346	17.4	8.7	13.1	+0.2	22.4	1	..	..	..	..	..	..	..	..
Dannevirke EWS	207	18.2	9.9	14.1	+0.7	22.9	1	0.7	11	72	16	-19	12	28	149
Cape Turnagain AWS	285	14.6	10.2	12.4	+0.1	19.7	17	6.2	11	121	17	..	46	20	..
Akitio EWS	245	16.3	9.8	13.1	+0.3	21.5	2	4.8	11	106	14	..	39	20	195
Castlepoint AWS	120	16.9	11.2	14.1	+0.1	22.6	23	7.4	11	112	17	+44	31	20	..
Baring Head	79	16.2	11.1	13.7	..	22.0	1	5.9	27	18	13	..	5	18	..
Te Wharau, Brackenfe	292	17.9	8.6	13.3	+0.5	23.4	..	1.0	11	110	11	+18	39	19	..
Martinborough EWS	20	19.9	9.5	14.7	+0.8	26.5	23	-0.6	11	29	12	-37	11	24	133
Ngawi AWS	8	19.2	12.3	15.8	+0.5	25.7	23	7.0	11	53	16	-13	9	21	..
Hicks Bay AWS	46	19.0	12.7	15.9	+0.7	21.6	26	6.3	9	..	..	..	..	..	..
Gisborne Aero AWS	5	19.9	12.3	16.1	+0.4	25.2	2	5.3	12	222	16	+158	49	25	164
Gisborne EWS	12	20.6	11.5	16.1	-0.2	26.0	2	6.0	12	192	13	+127	45	25	..
Tolaga Bay WXT AWS	15	18.9	12.8	15.9	+1.0	..	..	..	..	..	..	..	..	..	..
Tutira CWS	235	18.3	10.2	14.3	+0.1	24.7	2	0.0	5	141	12	+38	40	7	..
Napier Aero AWS	3	19.8	10.9	15.4	+0.0	25.8	17	4.1	12	110	16	+53	24	20	..
Napier EWS	7	20.3	12.5	16.4	..	26.7	28	5.7	11	83	11	+26	25	20	180
Maraekakaho CWS	150	20.2	10.0	15.1	..	26.2	17	3.4	27	49	11	..	14	19	..
Hastings AWS	16	20.7	10.0	15.4	-0.3	..	..	..	..	..	..	..	..	..	..
Whakatu EWS	5	20.1	9.0	14.6	+0.2	26.6	17	1.8	12	96	13	+51	22	20	..
Waipawa EWS	130	19.6	8.7	14.2	+0.3	26.7	17	1.9	11	73	13	+17	14	19	149
Wairoa, North Clyde E	15	21.0	11.8	16.4	+0.6	28.5	23	6.1	12	302	14	+221	120	7	..
Wairoa Aero AWS	13	19.5	11.3	15.4	+0.3	..	..	5.4	11	..	..	..	..	..	..
Mahia Radar WXT AWS	419	15.4	10.7	13.1	+0.1	..	..	..	..	..	..	..	..	..	..
Mahia AWS	136	16.9	12.2	14.6	-0.2	21.7	17	8.7	11	223	18	+151	94	7	..
Cape Kidnappers WXT A	113	16.7	12.7	14.7	+0.1	21.5	17	9.2	9	..	..	..	..	..	..
Paraparaumu Aero	5	18.3	9.6	14.0	+0.1	..	..	..	..	..	..	..	..	..	..
Paraparaumu Aero AWS	8	18.0	11.1	14.6	+0.7	22.3	21	3.9	11	42	10	-41	18	17	..
Paraparaumu Aero EWS	5	18.5	11.1	14.8	..	22.6	21	4.0	11	35	8	-37	15	17	190
Ohakea AWS	47	18.5	10.4	14.5	+0.2	23.2	22	3.8	11	56	16	..	10	7	..
Palmerston North Aero	39	18.9	10.0	14.5	+0.4	..	..	..	..	..	..	..	..	..	..
Palmerston North EWS	21	19.2	10.3	14.8	+0.8	23.4	22	2.4	11	50	11	-36	16	20	166
Levin AWS	15	18.9	10.4	14.7	+0.7	24.1	22	2.0	11	70	17	-20	18	19	..
Levin EWS	23	19.0	9.9	14.5	..	23.1	22	1.2	11	62	14	..	17	19	172
Mana Island AWS	110	15.7	11.2	13.5	+0.8	18.7	22	5.9	11	32	13	..	7	24	..
Porirua, Elsdon Park	7	17.7	11.4	14.6	..	..	..	..	..	40	14	..	8	17	..
Wellington, Kelburn A	125	16.7	11.0	13.9	+0.4	22.5	22	7.0	27	62	18	-23	10	18	189
Wellington Aero	4	17.6	12.0	14.8	+0.4	22.1	1	8.0	11	44	17	-31	6	28	..
Wellington, Greta Poi	3	18.4	12.4	15.4	+0.7	23.1	1	8.7	11	43	14	..	7	24	..
Wellington Aero Backu	4	17.5	12.2	14.9	+0.6	22.0	1	8.1	11	44	17	-43	6	28	..
Upper Hutt, Trentham	50	18.3	10.1	14.2	+0.9	23.9	1	0.7	11	56	15	-76	29	3	175
Stratford EWS	280	16.7	8.7	12.7	+0.2	21.1	23	4.5	27	139	16	-3	54	19	173
Manaia, Motumate Stm	105	19.3	11.1	15.2	..	23.0	1	4.1	11	69	14	..	19	19	..
Hawera AWS	100	17.0	10.2	13.6	+0.4	20.5	2	4.1	11	84	18	-8	29	19	..
Ohakune EWS	607	17.3	7.9	12.6	+0.9	22.2	22	-0.8	11	93	15	-25	35	7	..
Waiouru Aero AWS	820	15.4	5.8	10.6	+0.9	20.5	22	-2.2	11	98	16	..	29	7	..
Waiouru EWS	803	15.7	5.7	10.7	..	20.9	23	-2.4	11	78	16	+2	23	6	..
Taihape Rec	433	19.2	8.0	13.6	+0.7	25.0	22	-1.0	11	43	12	-34	17	18	..
Flat Hills WXT AWS	262	17.6	9.8	13.7	+0.5	23.6	22	2.3	11	47	15	-37	13	18	..
Whanganui Aero AWS	14	18.2	11.1	14.7	+0.3	22.9	14	4.8	11	64	17	-11	16	18	..
Wanganui 2 AWS	18	20.0	10.8	15.4	+0.5	..	..	..	..	..	..	..	..	..	..
Takaka EWS	20	19.9	8.5	14.2	+0.4	24.6	17	3.8	25	102	15	-42	35	16	247
Farewell Spit AWS	3	21.1	11.7	16.4	+1.5	24.4	23	8.8	18	68	13	-7	19	2	..
Westport Aero AWS	5	17.5	10.1	13.8	+0.7	20.8	24	6.4	26	98	14	-59	29	16	..
Westport EWS	6	17.6	9.7	13.7	..	20.0	24	5.8	26	103	12	..	31	16	251
Arapito EWS	3	18.6	9.8	14.2	+1.2	20.8	22	4.2	25	106	18	-84	23	28	200
Hokitika Aero	39	17.2	9.1	13.2	+0.6	19.0	24	4.0	18	125	14	-98	26	3	210
Hokitika Aero AWS	40	17.2	9.1	13.2	+0.7	19.3	24	4.2	18	139	18	-64	28	3	241
Hokitika EWS	39	17.2	8.9	13.1	..	19.1	24	3.9	18	116	14	..	25	3	..
Reefton EWS	198	19.8	8.1	14.0	+0.6	26.6	21	3.7	1	77	15	-73	21	3	193
Greymouth Aero EWS	5	17.9	9.8	13.9	+1.3	20.6	24	5.7	1	122	12	-68	43	16	207
Mt Philistine EWS	1655	6.5	0.9	3.7	+0.7	14.3	21	-4.2	25	318	20	..	66	13	..
Mahanga EWS	1995	5.5	-0.2	2.7	+0.1	12.8	22	-6.8	25	209	21	..	45	28	..

Summary of the records of Temperature, Rainfall and Sunshine November 2023

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		
Ivory Glacier CWS	1390	8.6	2.4	5.5	..	15.1	21	-0.9	18	321	16	-495	100	13	..
Okarito EWS	1	17.0	8.3	12.7	..	19.4	1	3.9	18	136	14	..	29	16	..
Franz Josef EWS	80	17.7	7.4	12.6	+0.8	20.4	20	3.3	18	200	15	-127	46	13	164
Lake Moeraki EWS	10	17.0	7.5	12.3	..	20.0	22	3.4	18	186	15	..	32	12	..
Haast AWS	1	16.2	7.9	12.1	+0.5	18.1	24	3.3	1	203	21	-38	49	12	..
Milford Sound EWS	3	16.6	8.0	12.3	..	21.1	22	4.2	18	..	..	..	..	..	..
Castle Mount EWS	2000	5.5	-1.7	1.9	+1.4	11.6	26	-8.1	18	89	13	..	30	12	..
Secretary Island AWS	19	16.1	9.2	12.7	+0.9	..	..	5.9	29	..	..	..	..	..	..
Puysegur Point AWS	45	13.9	9.2	11.6	+0.5	18.0	21	5.2	5	..	..	..	..	..	..
Stephens Island AWS	188	15.6	10.7	13.2	..	..	..	..	..	..	..	..	..	..	..
Pelorus Sd, Crail Bay	13	19.0	11.5	15.3	+0.7	23.3	22	7.0	11	88	14	-58	26	16	..
Nelson Aero	2	19.5	10.3	14.9	+0.4	24.2	28	4.9	25	63	13	-5	13	5	..
Appleby 2 EWS	18	20.1	7.8	14.0	+0.7	24.6	28	1.3	25	59	11	-10	17	28	..
Richmond EWS	1	19.1	8.8	14.0	-0.3	23.8	28	2.8	25	62	9	..	17	28	264
Nelson Aero AWS	6	19.5	11.0	15.3	+0.7	..	..	..	..	..	..	..	..	..	..
Blenheim Research EWS	4	21.1	9.4	15.3	+0.6	30.0	23	3.4	11	22	9	-27	5	28	244
Blenheim Aero AWS	36	20.6	8.8	14.7	+0.5	29.6	23	2.2	26	..	..	..	..	..	..
Brothers Island AWS	68	15.8	11.6	13.7	+0.0	20.4	22	8.7	25	..	..	..	..	..	..
Cape Campbell AWS	6	16.7	11.4	14.1	+0.7	21.8	13	8.2	25	..	..	..	..	..	..
Boyle River Lodge	600	18.2	6.2	12.2	+0.6	28.0	..	-1.6	26	97	..	-95	23	14	..
Hanmer Forest EWS	363	19.6	5.1	12.4	+0.5	27.6	27	-1.5	26	97	13	+9	30	5	..
Kaikoura, Middle Cree	5	17.7	7.6	12.7	+0.1	26.6	14	1.0	11	4	6	..	1	5	..
Kaikoura AWS	108	17.3	9.9	13.6	+0.2	26.7	14	5.9	11	83	16	+24	34	5	..
Arthurs Pass	745	15.3	5.3	10.3	+1.0	23.5	21	0.9	26	157	..	-282	45	14	..
Arthurs Pass EWS	745	15.5	5.2	10.4	+1.1	23.2	21	0.6	26	194	17	..	43	14	..
Arthurs Pass AWS	743	14.6	5.3	10.0	+1.1	22.0	21	0.9	26	219	19	..	49	13	..
Culverden AWS	181	18.7	7.6	13.2	+0.1	25.6	1	1.3	26	57	13	+10	29	5	..
Medbury CWS	232	18.7	6.1	12.4	-0.8	26.6	22	-0.6	26	38	10	..	13	23	..
Balmoral East CWS	172	19.5	7.0	13.3	..	27.4	1	0.4	11	45	11	..	26	5	..
Waipara North Branch	497	17.2	5.2	11.2	..	24.1	22	-2.9	26	60	9	..	18	23	..
Waiiau School CWS	136	20.0	7.1	13.6	-0.4	27.3	1	0.5	26	65	12	-2	26	5	..
Cheviot EWS	75	19.8	7.3	13.6	+0.4	27.1	23	0.1	26	44	10	-2	20	5	234
Upper Rakaia EWS	1752	7.2	1.1	4.2	+1.1	14.8	22	-3.8	25	134	23	-83	28	13	..
Mt Potts EWS	2128	5.8	-0.8	2.5	+0.6	16.8	22	-7.9	25	79	18	..	21	14	..
Mt Cook EWS	730	17.0	5.9	11.5	+0.9	23.9	22	-0.5	18	123	13	-245	41	13	..
Mueller Hut EWS	1818	7.6	0.8	4.2	+0.7	12.7	26	-4.2	6	205	17	..	66	13	..
Mt Cook Aero AWS	656	17.8	5.2	11.5	+0.8	..	..	-1.5	18	..	..	..	..	..	..
Cass EWS	571	18.4	4.6	11.5	..	27.2	22	-1.5	26	38	12	..	11	5	..
Methven CWS	313	17.7	7.7	12.7	+0.2	25.3	23	0.8	7	83	12	+8	22	4	..
Te Pirita at Sharland	208	17.6	7.9	12.8	..	24.7	28	2.9	11	56	9	..	18	4	..
Winchmore 2 EWS	164	18.7	6.9	12.8	..	27.0	13	-0.4	7	59	12	-2	15	23	227
Chertsey CWS	108	17.9	8.4	13.2	+0.4	..	..	..	..	74	11	+15	17	4	..
Mayfield at Ruapuna F	325	17.5	6.8	12.2	..	25.8	22	0.8	7	149	15	..	30	5	..
Peel Forest	286	17.7	6.6	12.2	+0.3	27.1	23	1.1	7	126	21	+25	25	28	..
Lismore, Racemans Hou	168	17.8	7.9	12.9	+0.4	26.9	23	1.9	7	77	12	..	32	4	..
Ashburton Council	101	20.0	7.8	13.9	+0.4	..	..	2.0	4	103	14	+43	38	4	..
Ashburton Aero AWS	88	18.3	7.6	13.0	+0.3	27.6	23	0.9	7	83	13	+30	27	23	229
Wakanui 2 CWS	53	17.8	8.0	12.9	..	..	..	1.9	7	..	..	..	..	..	..
Waipara West EWS	130	19.6	8.0	13.8	+0.0	25.2	23	1.8	11	38	11	-15	16	23	221
Ohoka CWS	39	18.1	7.5	12.8	..	26.7	23	0.5	11	..	..	..	..	..	..
Rangiora EWS	23	19.0	7.8	13.4	+0.5	27.3	23	1.3	26	36	9	-10	11	5	237
Christchurch Aero	37	18.6	7.4	13.0	-0.2	27.4	23	0.0	26	47	10	+2	10	19	233
Christchurch Aero Bac	37	18.8	7.2	13.0	-0.2	27.3	23	-0.4	26	47	12	..	10	19	..
Christchurch Gardens	7	19.7	9.2	14.5	+0.5	28.1	23	3.9	18	37	12	-8	10	30	..
Christchurch, Kyle St	6	19.9	9.3	14.6	+0.4	29.1	14	3.9	18	37	9	-3	8	23	..
Christchurch Botanic	17	19.6	8.9	14.3	..	28.0	23	3.7	26	34	9	..	10	30	..
Bromley EWS	3	18.4	9.9	14.2	..	28.2	23	4.3	18	19	8	..	7	23	253
Lincoln, Broadfield E	18	18.6	8.5	13.6	+0.3	27.6	23	1.3	11	67	10	+21	18	3	243
Lincoln, Broadfield E	17	18.3	8.0	13.2	..	26.7	23	1.2	7	160	16	..	47	10	..
Sugar Loaf AWS	496	15.7	7.4	11.6	+0.2	23.5	12	3.0	25	..	..	..	..	..	..
Diamond Harbour EWS	122	17.6	9.1	13.4	+0.5	26.1	23	4.1	18	58	11	..	18	5	255
Akaroa EWS	45	19.0	9.3	14.2	+0.3	28.0	23	4.6	11	43	9	-25	17	23	238
Lake Tekapo, Air Safa	762	18.0	4.2	11.1	+0.2	25.0	22	-2.1	18	20	7	-30	12	5	..

Summary of the records of Temperature, Rainfall and Sunshine November 2023

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		
Lake Tekapo EWS	762	18.6	4.7	11.7	+0.8	25.8	22	-2.3	18	19	6	-23	13	5	250
Fairlie AWS	403	16.6	7.0	11.8	+0.1	24.6	22	1.4	18	87	15	..	33	28	..
Pukaki Aerodrome AWS	461	20.4	4.6	12.5	+0.2	25.1	28	-1.8	25	20	8	-44	8	5	..
Orari Estate	81	18.4	7.4	12.9	+0.2	28.1	13	2.1	7	56	12	-7	15	4	..
Orari Estate EWS	81	18.4	7.3	12.9	+0.4	27.4	22	1.7	7	56	13	..	14	4	..
Timaru Aero AWS	27	17.9	6.9	12.4	+0.2	..	..	1.6	7	..	..	..	..	..	..
Timaru EWS	17	16.8	8.6	12.7	+0.3	27.1	13	3.6	18	32	9	-20	11	17	..
Otaio @ Springbank ro	14	16.2	8.0	12.1	..	28.1	13	3.0	18	39	13	..	12	17	..
Waimate CWS	39	17.0	8.2	12.6	+0.3	28.4	13	3.2	18	44	10	+1	11	17	..
Oamaru Airport AWS	30	15.7	7.8	11.8	-0.1	26.6	13	3.6	11	41	11	-7	11	17	..
Albert Burn	1280	12.2	2.9	7.6	+1.3	..	..	-2.2	10	..	..	..	..	..	..
Mt Larkins EWS	1900	5.2	-0.6	2.3	+1.6	12.3	26	-4.8	29	135	19	..	39	12	..
Eglinton, Knobs Flat	365	17.9	5.4	11.7	+1.0	24.7	26	-0.6	10	122	13	-53	25	12	..
Tara Hills AWS	485	19.3	5.6	12.5	+0.4	..	..	..	..	..	..	..	..	..	..
Wanaka CWS	331	19.7	7.6	13.7	..	27.8	26	1.3	18	15	8	..	4	16	..
Wanaka Aero AWS	352	20.0	7.6	13.8	+0.8	26.6	21	1.0	18	20	11	-35	5	16	..
Windsor EWS	81	17.4	6.3	11.9	-0.2	26.8	13	-0.2	25	34	11	-13	8	17	..
Ranfurly EWS	450	18.0	4.5	11.3	+0.1	23.6	21	-1.7	25	16	4	-26	11	4	..
Oamaru AWS	40	15.6	7.8	11.7	-0.4	27.6	13	2.1	10	..	..	..	..	..	..
Palmerston	21	16.6	6.1	11.4	-0.4	26.0	13	0.0	6	63	9	+12	23	4	175
Middlemarch EWS	213	18.6	5.1	11.9	+0.0	24.7	14	-1.8	10	62	12	-13	30	4	171
Swampy Summit AWS	716	11.9	4.6	8.3	+0.0	19.0	1	-1.0	25	..	..	..	..	..	..
Dunedin Aero AWS	2	17.6	6.4	12.0	-0.1	24.9	13	-1.7	10	72	19	+18	21	4	..
Dunedin, Musselburgh	4	15.7	8.9	12.3	+0.0	23.4	12	3.9	6	72	13	+10	25	4	200
Oamaru EWS	20	15.5	7.6	11.6	+0.0	25.4	13	2.1	10	31	11	..	9	17	219
Murchison Mtns EWS	1140	9.9	2.6	6.3	+0.5	17.6	26	-1.5	29	217	16	-19	51	12	..
Takahe Valley CWS	895	12.8	2.0	7.4	+0.8	19.2	25	-1.9	10	109	13	..	21	12	..
Te Anau At Park HQ Cw	204	16.0	6.2	11.1	..	22.5	25	0.3	10	..	..	..	..	..	..
Manapouri, West Arm J	178	16.6	6.4	11.5	+0.7	23.1	25	2.3	10	250	14	-50	47	12	..
Manapouri Aero AWS	209	17.4	5.2	11.3	+0.4	..	..	-2.6	10	..	..	..	..	..	..
Birchwood WXT AWS	149	15.7	7.1	11.4	+0.1	21.0	22	1.5	18	..	..	..	..	..	..
Queenstown EWS	322	19.5	7.9	13.7	..	25.0	26	2.8	18	38	14	..	9	12	..
Queenstown Aero AWS	357	18.1	6.3	12.2	+0.3	23.6	26	0.6	18	35	12	-26	8	2	248
Five Rivers CWS	260	16.7	6.3	11.5	+0.1	23.4	21	0.0	10	64	12	..	14	4	..
Lumsden AWS	194	17.2	5.8	11.5	+0.1	23.5	21	-0.1	10	89	17	+17	23	3	..
Waipounamu CWS	152	17.7	6.3	12.0	+0.3	23.5	21	0.0	10	68	17	..	14	2	..
Cromwell EWS	213	21.4	6.7	14.1	+0.2	27.4	21	0.9	18	27	5	-10	11	2	267
Lauder EWS	375	18.7	5.3	12.0	-0.2	24.9	26	-0.5	25	53	6	+11	14	4	..
Ophir 2	305	19.7	4.5	12.1	+0.3	25.7	21	-1.6	25	65	7	+24	17	3	..
Alexandra	150	21.9	7.4	14.7	+0.6	27.9	21	1.4	25	31	9	-2	12	2	232
Clyde 2 EWS	170	21.4	5.9	13.7	+0.3	26.8	21	-0.3	25	26	8	-14	9	2	..
Alexandra AWS	231	20.0	6.5	13.3	+0.4	25.5	21	0.6	25	40	8	..	14	2	..
Alexandra EWS	132	20.7	7.2	14.0	..	26.8	21	1.3	25	31	8	..	12	2	227
Roxburgh WXT AWS	160	18.4	7.8	13.1	+0.4	..	..	2.0	18	..	..	..	..	..	..
Tapanui EWS	180	18.3	6.1	12.2	..	25.0	21	0.0	10	54	13	..	16	2	..
Gore AWS	123	16.9	6.9	11.9	+0.6	..	..	0.5	10	..	..	..	..	..	..
Gore EWS	60	17.2	6.1	11.7	..	23.0	21	-1.3	10	76	16	..	17	4	167
Invercargill Aero	1	16.4	6.8	11.6	+0.3	..	..	..	..	51	19	-47	7	17	..
Invercargill Aero AWS	3	16.1	7.2	11.7	+0.4	21.7	21	0.3	10	56	20	-46	7	14	..
Invercargill Aero 2 E		15.8	6.3	11.1	+0.0	21.6	22	-0.7	10	47	18	-44	6	14	..
Tiwai Point EWS	5	15.1	8.6	11.9	+0.3	19.7	11	4.0	10	36	13	-55	9	14	..
Stewart Island EWS	3	15.4	7.5	11.5	..	19.8	11	1.8	10	75	17	..	22	14	..
Balclutha, Telford Ew	11	17.9	6.1	12.0	+0.6	23.9	22	-0.9	10	37	12	-16	8	4	..
Balclutha, Finegand E	6	17.2	6.9	12.1	..	24.2	22	-0.1	10	40	14	..	8	2	..
Nugget Point AWS	131	14.9	8.1	11.5	+0.4	..	..	..	..	..	..	..	..	..	..
Tautuku EWS	25	16.0	6.9	11.5	..	23.8	22	1.5	10	61	18	..	15	23	..
South West Cape AWS	103	14.0	8.1	11.1	+0.6	17.4	20	5.6	10	82	24	-20	17	27	..
Solomon, Taro Is	3	31.7	..	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Munda	6	..	25.4	..	..	..	..	22.0	16	..	..	..	..	..	..
Solomon, Honiara	56	32.3	24.6	28.5	..	..	..	23.0	15	..	..	..	..	..	..
Solomon, Henderson	9	31.8	23.8	27.8	..	..	..	..	..	..	..	..	..	..	..
Solomon, Santa Cruz	24	30.8	24.9	27.9	..	..	..	21.0	5	..	..	..	..	..	..
Vanuatu,Pekoa	56	30.2	24.0	27.1	..	..	..	19.9	26	..	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine November 2023

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		
Vanuatu, Bauerfield	20	28.9	21.0	25.0	..	..	..	16.4	16	..	..	..	..	..
New Cal, Koumac	18	27.9	18.9	23.4	..	30.2	30	17.0	1	..	..	..	..	..
New Cal, Oulop	7	27.7	21.3	24.5	..	28.7	18	17.5	16	..	..	..	..	..
New Cal, Ouanaham	29	27.4	19.7	23.6	..	..	..	12.9	1	..	..	..	..	..
New Cal, La Roche	42	27.4	16.0	21.7	..	30.5	19	11.3	1	..	..	..	..	..
New Cal, La Tontouta	14	29.6	16.9	23.3	..	34.5	28	13.9	1	..	..	..	..	..
New Cal, Nouma	72	27.5	19.6	23.6	..	30.8	29	18.5	6	..	..	..	..	..
New Cal, Moue	97	26.1	18.6	22.4	..	28.9	18	13.4	1	3	6	..	1	15	
Kiribati,Butaritari	2	32.4	26.7	29.6	..	..	..	25.0	1	..	..	..	..	..
Kiribati,Tarawa	2	..	25.7	..	..	..	..	24.0	29	..	..	..	..	..
Kiribati, Bonriki Int	4	31.8	26.4	29.1	..	33.0	24	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	..	26.3	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	32.7	26.9	29.8	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	..	26.1	..	..	..	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	32.0	22.9	27.5	..	34.5	19	20.6	22	..	..	..	..	..
Fiji,Nausori Aero	6	30.3	22.6	26.5	..	33.6	16	..	..	..	..	..	..	..
Wallis Island, Hihifo	27	31.5	26.4	29.0	..	32.4	26	24.2	24	..	..	..	..	..
Maopoopo, Futuna Isla	36	31.4	25.7	28.6	..	..	..	24.8	21	..	..	..	..	..
Samoa,Faleolo	4	32.1	24.6	28.4	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	30.7	24.0	27.4	..	..	..	21.8	21	..	..	..	..	..
Samoa, Pago Pago Aero	3	31.6	26.6	29.1	..	..	..	..	..	..	..	..	..	..
Tonga,Keppel	2	30.2	24.0	27.1	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	29.4	23.4	26.4	..	32.0	27	18.4	24	..	..	..	..	..
Salote Pilolevu Airpo	2	28.6	24.2	26.4	..	..	..	22.4	12	..	..	..	..	..
Tonga,Fuaamotu Aero	38	27.6	22.1	24.9	..	..	..	20.4	24	..	..	..	..	..
Niue, Hanan Airport O	59	..	22.7	..	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	27.1	21.6	24.4	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	31.6	23.8	27.7	..	33.2	15	22.5	1	42	18	..	8	6	
Society Is, Mopelia	..	28.9	24.8	26.9	..	..	..	..	..	..	..	..	..	..
Tahiti - Faaa	1	30.1	24.3	27.2	..	..	..	22.7	5	90	10	..	26	5
Tuamotu, Takaroa	2	31.2	25.7	28.5	..	32.2	9	24.0	26	..	..	..	..	..
Gambier, Rikitea	91	25.1	20.9	23.0	..	27.3	1	17.9	15	724	20	..	248	16	
Rapa	1	21.8	17.9	19.9	..	..	..	14.7	14	85	11	..	30	10
Raoul Island AWS	50	22.7	17.0	19.9	+0.6	24.7	21	13.6	12	71	19	-41	52	16	
Enderby Is AWS	39	11.6	6.3	9.0	..	13.7	2	3.2	15	48	23	..	8	11	
Campbell Island AWS	16	10.2	5.2	7.7	+0.5	12.5	2	0.6	27	..	..	..	..	..
Chatham Island Aero A	12	17.1	11.1	14.1	+1.6	20.5	15	4.9	19	90	15	+37	15	7	
Georg Von Neumayer	40	-4.8	-12.9	-8.9	..	-0.1	19	-21.4	5	..	..	..	..	..
Ant South Pole	2827	-36.4	-41.0	-38.7	..	-25.1	17	-48.4	11	..	..	..	..	..
Gen Belgrano 2	256	-2.1	-9.1	-5.6	..	4.0	18	-17.1	1	..	..	..	..	..
Bellingshausen	16	0.8	-1.9	-0.6	..	..	..	..	..	..	..	..	..	..
Base Jubany	4	1.8	-1.8	0.0	..	6.1	30	-4.5	3	..	..	..	..	..
V C Marambio	198	-0.3	-4.8	-2.6	..	3.6	29	-8.7	4	..	..	..	..	..
Eduardo Frei	10	-0.9	-2.9	-1.9	..	1.1	28	-4.9	4	..	..	..	..	..
Arturo Prat	..	0.4	-1.4	-0.5	..	2.5	22	..	..	..	..	..	..	..
Great Wall	10	1.1	-2.1	-0.5	..	..	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	0.1	-2.2	-1.1	..	..	..	..	..	..	..	..	..	..
Palmer Station	8	0.6	-2.7	-1.1	..	..	..	..	..	..	..	..	..	..
Rothera Point	16	-0.3	-3.8	-2.1	..	2.9	28	-8.6	3	..	..	..	..	..
Argentine Is, Faraday	11	0.7	-3.1	-1.2	..	..	..	..	..	..	..	..	..	..
Gen San Martin	4	2.5	-5.1	-1.3	..	6.8	29	-13.4	21	..	..	..	..	..
Novolax Arevskaja	99	-2.3	-10.1	-6.2	..	..	..	..	..	..	..	..	..	..
Maitri	..	-0.6	-9.9	-5.3	..	..	..	..	..	..	..	..	..	..
Syowa	21	-4.5	-11.8	-8.2	..	2.3	23	-20.7	6	..	..	..	..	..
Mawson	16	-3.1	-11.1	-7.1	..	..	..	-13.6	8	..	..	..	..	..
Davis	13	-2.1	-8.6	-5.4	..	4.8	28	-12.8	6	..	..	..	..	..
Progress	64	-3.5	-8.0	-5.8	..	..	..	..	..	..	..	..	..	..
Mirnyj	30	-4.8	-11.2	-8.0	..	..	..	..	..	..	..	..	..	..
Vostok	3420	-39.4	-51.6	-45.5	..	..	..	..	..	..	..	..	..	..
Casey	41	-3.3	-10.1	-6.7	..	..	..	-17.2	3	..	..	..	..	..
Wilkins Runway East	755	..	-16.6	..	..	..	..	..	..	..	..	..	..	..
Durmont Durville	43	-3.1	-10.4	-6.8	..	4.2	29	-18.4	4	..	..	..	..	..
Mcmurdo	24	-7.4	-14.3	-10.9	..	-1.6	30	-22.5	4	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine November 2023

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		
Arrival Heights EWS	187	-8.3	-14.5	-11.4	..	..	..	..	..	..	..	..	..	..
Scott Base 2 EWS	42	-8.8	-16.3	-12.6	..	-3.7	30	-23.7	4	..	..	..	..	..
Casey, Skiway South	392	-2.7	-12.5	-7.6	..	..	..	..	..	..	..	..	..	..
Darwin Airport	31	33.3	17.0	25.2	..	36.1	19	13.6	12	..	..	..	..	..
Late returns and corrections for October 2023															
Kaitaia EWS	85	18.9	12.6	15.8	+1.6	23.4	26	5.3	5	119	18	+29	24	29	..
Dargaville 2 EWS	66	17.9	11.8	14.9	+0.6	22.7	17	5.8	4	75	19	-2	15	30	92
Warkworth EWS	72	18.2	10.4	14.3	+0.8	22.1	26	2.3	4	82	19	-14	31	29	..
Tiri Tiri Lighthouse	76	17.7	10.4	14.1	-0.2	21.1	26	6.5	1	38	23	-38	13	30	..
Waiheke Island, Awaro	34	19.3	10.8	15.1	+0.9	22.6	19	1.5	4	77	15	-15	20	30	..
Whakatane EWS	1	20.1	9.9	15.0	..	22.7	21	1.0	1	67	9	..	22	30	..
Tarapounamu EWS	701	14.2	4.8	9.5	+0.2	23.7	5	-2.7	1	67	15	-47	20	31	..
Lower Retaruke CWS	233	17.7	6.7	12.2	+0.0	23.9	31	-1.8	4	106	17	-39	33	17	..
Baring Head	79	15.2	9.2	12.2	..	..	..	2.6	4	36	13	..	9	16	..
Martinborough EWS	20	18.1	7.2	12.7	+0.5	22.5	31	-1.6	4	31	13	-39	9	17	195
Hicks Bay AWS	46	17.4	11.2	14.3	+0.4	19.9	16	4.7	1	..	..	..	..	..	..
Tutira CWS	235	18.0	7.8	12.9	+0.2	..	..	0.0	31	56	9	-13	21	30	..
Blenheim Research EWS	4	18.9	7.2	13.1	+0.0	..	..	..	..	33	10	-24	13	17	277
Mt Somers, Somer Down	372	17.2	4.3	10.8	..	25.0	6	-1.3	28	110	15	+4	29	16	..
Wakanui 2 CWS	53	17.8	6.4	12.1	..	23.3	6	0.6	28	50	9	..	18	26	..
New Cal, Koumac	18	27.4	18.5	23.0	..	32.7	25	16.2	1	5	7	..	3	16	..
New Cal, La Tontouta	14	27.7	17.3	22.5	..	30.9	15	12.3	13	..	..	..	..	..	..
New Cal, Nouma	72	26.7	19.5	23.1	..	29.9	15	17.9	20	16	11	..	5	17	..
New Cal, Moue	97	24.4	18.6	21.5	..	26.5	15	14.7	9	..	..	..	..	..	..
Maopopo, Futuna Isla	36	30.0	25.2	27.6	..	31.8	29	22.9	8	26	22	..	6	2	..
Tuamotu, Takaroa	2	30.8	25.5	28.2	..	31.7	22	23.0	14	5	11	..	1	2	..
Late returns and corrections for September 2023															
Warkworth EWS	72	17.0	9.1	13.1	+0.9	..	..	..	..	137	18	+7	30	3	..
Whakatane EWS	1	18.0	9.4	13.7	..	21.4	8	3.1	13	227	13	..	73	25	..
Boyle River Lodge	600	13.6	3.9	8.8	+1.1	..	..	-5.5	..	155	..	-41	57	22	..
Mt Somers, Somer Down	372	15.6	4.6	10.1	..	24.5	20	-0.6	26	103	13	+18	45	22	..
Wakanui 2 CWS	53	16.3	6.0	11.2	..	26.3	20	-0.1	26	24	5	..	21	22	..
Late returns and corrections for August 2023															
Warkworth EWS	72	14.7	4.4	9.6	-1.3	16.3	1	0.8	29	76	17	-73	19	19	..
Whakatane EWS	1	15.2	4.3	9.8	..	18.2	27	-0.4	4	41	11	..	15	19	..
Wakanui 2 CWS	53	12.5	1.9	7.2	..	..	..	..	..	9	5	..	3	26	..
Late returns and corrections for July 2023															
Warkworth EWS	72	15.2	7.6	11.4	+1.0	17.2	8	0.8	29	163	26	-13	43	20	..
Whakatane EWS	1	16.1	5.1	10.6	..	18.8	15	0.1	27	47	7	..	18	7	..
Wakanui 2 CWS	53	12.1	2.1	7.1	..	17.6	19	-1.3	7	143	10	..	78	22	..
Late returns and corrections for June 2023															
Warkworth EWS	72	15.8	7.1	11.5	+0.1	18.6	1	1.0	15	203	21	+47	31	21	..
Wakanui 2 CWS	53	12.4	3.8	8.1	..	20.0	1	-2.1	11	31	11	..	15	27	..
Late returns and corrections for May 2023															
Warkworth EWS	72	18.7	11.4	15.1	+1.7	22.2	2	4.0	26	267	24	+129	83	9	..
Wakanui 2 CWS	53	15.6	7.3	11.5	..	22.6	2	0.2	16	61	11	..	25	10	..
Late returns and corrections for April 2023															
Warkworth EWS	72	20.7	12.7	16.7	+1.3	24.0	10	4.1	25	119	22	+7	27	6	..
Wakanui 2 CWS	53	17.7	8.3	13.0	..	24.9	1	2.7	28	39	12	..	22	21	..
Late returns and corrections for March 2023															
Warkworth EWS	72	22.4	10.4	16.4	-1.1	24.8	2	4.4	30	72	6	-33	51	17	..
Wakanui 2 CWS	53	19.9	9.9	14.9	..	28.6	8	4.3	29	116	14	..	37	5	..
Late returns and corrections for February 2023															
Warkworth EWS	72	23.1	14.5	18.8	-0.1	25.6	1	9.8	10	311	18	+225	130	13	..

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

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall				Bright Sunshine			
		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		
Wakanui 2 CWS	Metres 53	°C 23.1	°C 12.1	°C 17.6	°C ..	°C 34.4		°C 3	°C 4.7	25	mm 50		9	mm ..	mm 19	22	Hrs ..
		Late returns and corrections for January 2023															
Wakanui 2 CWS	53	21.5	11.5	16.5	..	27.7		5	6.2	1	40		7	..	27	6	..
		Late returns and corrections for December 2022															
Wakanui 2 CWS	53	20.0	11.3	15.7	..	29.6		29	6.3	31	63		11	..	25	17	..
		Late returns and corrections for November 2022															
Wakanui 2 CWS	53	18.8	9.5	14.2	..	25.9		2	4.1	28	56		12	..	14	19	..
		Late returns and corrections for October 2022															
Wakanui 2 CWS	53	16.5	4.8	10.7	..	27.8		23	-0.4	1	26		6	..	11	4	..
		Late returns and corrections for September 2022															
Wakanui 2 CWS	53	14.5	4.6	9.6	..	21.9		29	-1.3	6	20		4	..	10	29	..
		Late returns and corrections for August 2022															
Wakanui 2 CWS	53	13.0	3.9	8.5	..	19.9		5	-2.4	12	55		14	..	12	6	..

The 'Normal' refers to the present site of the instruments. Standard period for normals is 1991-2020.

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.

©2023. All rights reserved National Institute of Water and Atmospheric Research Ltd.