



Climate Database Statistics Report

October 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 October 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		
Kaitaia Aero EWS	80	18.8	11.9	15.4	+0.8	21.9	26	4.3	4	93	17	+9	24	29	..
Kaitaia Airport AWS	77	18.8	11.8	15.3	..	22.0	19	4.0	4	102	19	..	29	29	..
Kaitaia EWS	85	18.9	12.6	15.8	+1.6	23.4	26	5.3	5	119	19	+29	24	29	..
Kerikeri EWS	79	19.8	11.0	15.4	+1.0	23.9	26	3.7	5	176	16	+67	89	29	..
Kerikeri Aerodrome Aw	149	19.0	10.7	14.9	+0.8	24.3	26	4.8	4	229	21	+113	112	29	..
Kaikohe AWS	204	17.5	10.9	14.2	+0.5	20.8	16	5.0	5	303	22	+209	150	29	..
Trounson CWS	244	16.3	10.4	13.4	+0.7	..	..	..	..	..	..	..	..	..	..
Dargaville 2 EWS	66	17.9	11.8	14.9	+0.6	22.7	17	5.8	4	75	19	-2	15	30	92
Purerua AWS	87	18.8	11.5	15.2	+0.7	22.4	31	6.3	4	154	18	+90	46	29	..
Russell CWS	15	19.3	9.9	14.6	..	22.9	26	2.5	5	242	18	+161	127	29	..
Whangarei Aero AWS	37	19.0	12.1	15.6	+0.6	24.2	26	5.6	4	154	18	+77	72	29	..
Whangarei EWS	12	19.7	11.0	15.4	+1.1	24.8	26	3.8	4	201	17	..	114	29	168
Mokohinau Island AWS	70	17.0	13.5	15.3	+0.3	19.0	25	9.5	1	87	18	+31	43	29	..
Leigh 2 EWS	27	19.8	12.4	16.1	..	23.9	18	8.1	4	80	17	+1	31	29	..
Warkworth EWS	72	18.2	10.4	14.3	+0.8	22.1	26	2.3	4	82	19	-14	31	29	..
Whangaparaoa AWS	100	19.1	11.8	15.5	+0.9	23.0	21	7.5	1	46	22	-27	14	30	..
Auckland, Whenuapai A	26	18.6	11.1	14.9	+1.0	22.4	17	1.9	4	87	21	..	21	30	..
Auckland, North Shore	64	18.8	11.4	15.1	+1.3	22.1	26	3.3	4	71	16	-18	20	30	177
Auckland, Henderson N	7	20.2	10.7	15.5	+1.0	23.9	18	2.2	4	82	19	-22	22	30	..
Auckland, Motat EWS	16	19.2	11.9	15.6	..	22.8	17	2.8	4	61	19	..	10	29	201
Manukau Heads EWS	240	15.7	11.0	13.4	..	20.1	20	6.7	4	77	18	..	12	30	169
Whitianga Aero AWS	5	19.0	10.8	14.9	+0.9	22.2	26	2.9	4	135	17	+14	44	29	..
Whitianga EWS	1	19.6	10.5	15.1	+0.8	22.7	26	1.5	4	123	13	..	40	29	..
Thames EWS	3	19.5	10.7	15.1	..	24.3	21	2.9	4	149	15	..	63	30	..
Matamata, Hinuera EWS	85	19.2	8.6	13.9	+1.3	24.9	21	0.4	4	86	15	+4	24	8	..
Tauranga CWS	3	18.9	11.3	15.1	..	..	..	..	..	..	..	..	..	..	..
Tauranga Aero AWS	2	19.2	10.6	14.9	+0.6	..	..	..	..	84	11	+4	44	30	..
Te Puke EWS	123	19.4	9.8	14.6	+1.0	24.4	5	2.7	4	85	11	-34	32	30	..
Whakatane Aero AWS	8	18.9	9.6	14.3	+0.7	..	..	..	..	..	..	..	..	..	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	240
Whakatane EWS	1	20.1	9.9	15.0	..	22.7	21	1.0	1	67	9	..	22	30	..
Mamaku Radar WXT AWS	17	13.8	7.1	10.5	+0.6	..	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	18.8	6.9	12.9	-1.4	..	..	-0.6	4	..	..	..	..	..	..
Rotorua EWS	288	17.3	7.7	12.5	..	23.0	5	-1.5	4	53	12	..	15	30	226
Rotorua Aero AWS	286	17.6	7.9	12.8	+0.9	..	..	..	..	..	..	..	..	..	..
Galatea AWS	175	18.7	7.8	13.3	+0.8	..	..	..	..	..	..	..	..	..	..
Taupo CWS	360	18.5	7.7	13.1	..	24.6	21	-1.7	4	51	15	..	15	7	..
Tarapounamu EWS	701	14.2	4.8	9.5	+0.2	23.7	5	-2.7	1	67	15	-47	20	31	..
Taupo Aero AWS	402	17.0	7.0	12.0	+0.8	21.8	21	-3.7	4	53	15	-21	19	31	..
Motu EWS	488	17.6	6.8	12.2	+1.7	23.9	5	-1.2	1	116	19	-66	32	7	..
Auckland, Mangere 2 E	16	18.7	11.9	15.3	..	22.3	31	3.0	4	53	17	-29	9	30	175
Auckland Aero	7	18.7	11.9	15.3	+0.7	22.7	17	5.2	4	60	19	-32	10	17	..
Auckland Aero Backup	7	18.8	12.0	15.4	+0.9	22.4	17	5.6	4	57	19	..	9	17	..
Ardmore Aero AWS	41	18.9	10.6	14.8	..	23.0	20	1.0	4	..	..	..	..	..	..
Pukekohe EWS	88	17.2	9.4	13.3	-0.3	21.2	19	2.6	4	59	21	-41	10	7	..
Firth Of Thames EWS	3	19.4	9.8	14.6	+1.0	24.1	21	0.9	4	42	14	-30	13	30	161
Hamilton, Ruakura 2 E	45	19.3	9.2	14.3	+1.2	23.4	19	0.5	4	61	20	-25	10	30	199
Hamilton Aero AWS	53	19.0	8.9	14.0	+1.0	23.9	19	-0.9	4	73	18	-26	13	8	..
Lake Karapiro CWS	55	19.4	10.6	15.0	+1.2	25.6	20	3.8	1	84	16	-1	42	8	..
Port Taharoa AWS	18	17.0	11.4	14.2	+0.2	23.0	31	4.0	4	79	20	-6	11	29	..
Awakino EWS	400	14.6	8.1	11.4	..	22.3	31	2.0	4	3	12	-148	1	2	..
Waikeria EWS	37	19.4	8.4	13.9	..	23.6	20	-1.0	4	59	16	-34	17	8	..
Te Kuiti EWS	61	19.4	7.9	13.7	+0.7	24.6	19	-1.1	4	119	16	-15	48	8	172
Pureora Forest CWS	549	15.3	5.3	10.3	+0.4	20.7	21	-3.3	4	87	20	-23	22	2	..
Taumarunui EWS	170	18.7	7.2	13.0	+0.9	23.7	31	-1.5	4	126	20	-18	18	17	..
Taumarunui AWS	186	18.6	7.1	12.9	+0.5	24.0	21	-2.5	4	94	19	..	14	17	164
Turangi 2 EWS	360	17.1	5.2	11.2	+0.0	22.0	21	-4.2	4	66	16	-69	14	7	198
New Plymouth Aero AWS	28	16.7	9.3	13.0	+0.2	24.3	31	1.2	4	65	17	-62	9	2	229
Lower Retaruke CWS	233	17.7	6.7	12.2	+0.0	23.9	31	-1.8	4	106	17	-39	33	17	..
Mt Ruapehu, Chateau E	1097	12.5	2.9	7.7	+1.2	23.8	5	-5.1	4	95	17	-182	23	17	..
Pahiatua EWS	110	16.7	6.7	11.7	+0.0	22.0	5	-2.6	4	87	16	..	23	17	..
Masterton Aero AWS	105	18.0	6.0	12.0	+0.1	23.5	19	-1.7	4	71	17	..	22	17	..
Masterton EWS	90	18.6	5.8	12.2	+0.4	24.6	19	-2.4	4	41	17	..	14	17	239

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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		
Masterton, Te Ore Ore	110	18.6	6.9	12.8	+0.1	25.0	19	-1.2	4	38	14	-44	12	17	..
Takapau Plains AWS	346	16.5	6.7	11.6	+0.4	21.5	19	-2.7	4	104	16	+11	30	17	..
Dannevirke EWS	207	16.9	7.4	12.2	+0.6	20.7	19	-1.8	4	98	13	-3	41	17	193
Cape Turnagain AWS	285	14.2	8.6	11.4	+0.2	18.7	26	4.0	4	125	16	..	40	10	..
Akitio EWS	245	15.6	7.9	11.8	+0.6	20.2	19	1.3	4	149	11	..	66	10	235
Castlepoint AWS	120	16.3	9.6	13.0	+0.3	20.6	19	3.9	4	70	13	-4	25	30	..
Baring Head	79	15.2	9.2	12.2	..	..	..	2.6	4	36	13	..	9	16	..
Te Wharau, Brackenfe	292	17.1	5.7	11.4	+0.2	23.3	31	-1.6	..	60	12	-26	17	30	..
Martinborough EWS	20	18.1	7.2	12.7	+0.5	22.5	31	-1.6	4	31	14	-39	9	17	194
Ngawi AWS	8	17.8	10.4	14.1	+0.3	23.4	31	4.9	4	..	..	..	..	..	..
Hicks Bay AWS	46	17.4	11.2	14.3	+0.4	19.9	16	4.7	1	..	..	..	..	..	..
Gisborne Aero AWS	5	19.5	10.4	15.0	+1.0	24.8	20	4.5	1	100	13	+32	47	30	229
Gisborne EWS	12	20.3	9.7	15.0	+0.3	25.4	20	3.3	1	63	12	-13	18	30	..
Tolaga Bay WXT AWS	15	18.2	10.3	14.3	+0.8	23.4	2	5.2	12	130	18	..	38	30	..
Tutira CWS	235	18.0	7.8	12.9	+0.2	..	..	0.0	31	56	10	-13	21	30	..
Napier Aero AWS	3	19.2	8.7	14.0	+0.3	26.4	26	2.3	4	39	11	-22	13	7	..
Napier EWS	7	20.1	9.8	15.0	..	27.3	26	1.9	1	36	9	-24	12	7	253
Maraekakaho CWS	150	19.5	7.9	13.7	..	25.9	26	2.0	4	56	9	..	23	30	..
Hastings AWS	16	20.3	7.7	14.0	+0.3	28.4	26	-0.1	1	44	12	..	17	30	..
Whakatu EWS	5	20.0	6.6	13.3	+0.6	27.5	26	0.1	1	38	11	-16	15	7	..
Waipawa EWS	130	18.9	6.1	12.5	+0.4	24.4	14	-0.4	4	65	12	-2	24	7	212
Wairoa, North Clyde E	15	20.7	9.5	15.1	+1.1	27.0	20	3.1	1	67	12	-26	29	8	..
Wairoa Aero AWS	13	19.3	8.7	14.0	+0.6	25.4	20	1.1	1	95	18	..	39	8	..
Mahia Radar WXT AWS	419	15.2	8.8	12.0	+0.3	23.0	20	4.0	1	..	..	..	..	..	..
Mahia AWS	136	16.8	10.5	13.7	+0.3	22.3	26	5.7	1	78	13	+8	19	30	..
Cape Kidnappers WXT A	113	16.9	11.2	14.1	+0.8	25.3	26	6.2	4	..	..	..	..	..	..
Paraparaumu Aero	5	16.6	7.6	12.1	-0.5	21.6	31	-0.9	28	64	12	-44	16	24	211
Paraparaumu Aero AWS	8	16.2	8.4	12.3	-0.2	19.1	31	0.2	4	69	18	-34	17	24	224
Paraparaumu Aero EWS	5	16.6	8.5	12.6	..	19.6	31	0.4	4	59	12	-40	15	24	214
Ohakea AWS	47	16.9	8.7	12.8	+0.0	23.9	31	1.6	4	77	16	..	29	17	..
Palmerston North Aero	39	17.1	8.3	12.7	+0.1	22.2	31	-0.8	4	79	16	-17	25	17	..
Palmerston North EWS	21	17.4	8.5	13.0	+0.5	23.6	31	-1.2	4	102	12	+6	27	26	..
Levin AWS	15	16.8	8.3	12.6	+0.0	25.5	31	-0.1	4	60	17	-37	13	26	..
Levin EWS	23	16.8	7.9	12.4	..	25.1	31	-0.7	4	52	14	..	12	26	182
Mana Island AWS	110	14.4	9.5	12.0	+0.6	18.5	31	3.4	4	47	14	..	12	24	..
Porirua, Elsdon Park	7	16.2	8.5	12.4	..	24.5	31	0.0	4	70	17	..	18	24	..
Wellington, Kelburn A	125	15.6	9.1	12.4	+0.3	22.9	31	3.1	28	68	13	-51	17	16	224
Wellington Aero	4	16.3	9.9	13.1	+0.1	20.5	31	3.8	4	63	11	-28	15	24	..
Wellington, Greta Poi	3	17.5	10.4	14.0	+0.6	25.6	31	5.7	29	50	11	..	12	24	..
Wellington Aero Backu	4	16.3	9.9	13.1	+0.2	20.8	31	3.8	4	64	12	-30	15	24	..
Upper Hutt, Trentham	50	16.8	6.9	11.9	+0.3	23.1	31	-2.1	4	68	12	-33	22	24	222
Stratford EWS	280	15.3	7.0	11.2	+0.1	20.4	31	0.3	4	111	16	-92	28	17	175
Manaia, Motumate Stm	105	18.2	9.0	13.6	..	21.5	17	1.1	4	92	12	..	46	17	..
Hawera AWS	100	15.9	8.2	12.1	+0.1	20.4	26	0.2	4	74	19	-32	29	17	..
Ohakune EWS	607	16.0	5.8	10.9	+0.8	23.4	5	-2.1	1	83	15	-45	23	2	..
Waiouru Aero AWS	820	14.1	3.0	8.6	+0.6	..	..	..	..	..	..	..	..	..	..
Waiouru EWS	803	14.4	3.1	8.8	..	22.6	5	-4.3	4	56	21	-46	15	7	..
Taihape Rec	433	17.4	5.8	11.6	+0.6	23.5	20	..	..	55	13	-38	14	7	..
Flat Hills WXT AWS	262	16.3	7.8	12.1	+0.3	23.2	31	0.2	4	100	22	+8	38	17	..
Whanganui, Spriggens	15	17.1	9.0	13.1	-0.3	..	..	..	..	..	..	..	..	..	..
Whanganui Aero AWS	14	17.0	9.3	13.2	+0.1	..	..	1.7	28	..	..	..	..	..	..
Wanganui 2 AWS	18	18.9	9.1	14.0	+0.5	29.0	31	2.0	4	..	..	..	..	..	..
Takaka EWS	20	18.4	6.0	12.2	+0.1	23.3	31	0.8	1	92	8	-118	39	16	278
Farewell Spit AWS	3	19.3	9.8	14.6	+1.0	26.1	31	5.4	28	54	11	-46	14	16	..
Westport Aero AWS	5	15.2	7.9	11.6	-0.2	19.6	31	3.4	28	165	22	-37	32	24	..
Westport EWS	6	15.4	7.7	11.6	..	20.6	31	2.5	28	159	19	..	32	24	252
Arapito EWS	3	16.7	7.6	12.2	+0.5	22.0	31	2.4	28	164	18	-75	37	16	203
Hokitika Aero	39	15.1	6.6	10.9	-0.3	17.3	25	0.8	3	198	16	-87	48	24	215
Hokitika Aero AWS	40	15.1	6.7	10.9	-0.2	17.3	31	1.0	3	209	20	-79	49	24	242
Hokitika EWS	39	15.1	6.5	10.8	..	17.3	25	0.7	3	189	16	..	47	24	..
Reefton EWS	198	17.7	5.8	11.8	+0.4	26.0	31	0.2	4	127	16	-55	35	26	210
Greymouth Aero EWS	5	15.4	7.5	11.5	+0.2	18.3	30	2.7	4	168	17	-59	40	16	204
Mt Philistine EWS	1655	5.5	-1.6	2.0	+0.7

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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	Hrs		
Mahanga EWS	1995	4.9	-2.4	1.3	+0.7	15.0	5	-10.5	28	226	20	..	55	16	..
Ivory Glacier CWS	1390	7.5	-0.5	3.5	..	15.7	20	-5.0	27	614	17	-157	97	25	..
Okarito EWS	1	14.7	6.1	10.4	..	17.6	31	0.7	28	..	..	..	..	..	..
Franz Josef EWS	80	15.0	5.1	10.1	-0.4	18.4	21	0.0	28	398	17	+25	95	16	181
Lake Moeraki EWS	10	14.7	4.5	9.6	..	17.6	30	-0.3	28	341	15	..	74	16	..
Haast AWS	1	14.1	5.4	9.8	-0.5	17.3	17	1.5	11	304	25	+10	62	16	..
Milford Sound AWS	3	14.0	5.2	9.6	-0.8	18.0	22	1.0	28	506	15	-111	89	1	..
Milford Sound EWS	3	13.8	4.9	9.4	..	18.2	22	0.6	28	..	..	..	..	..	..
Castle Mount EWS	2000	3.1	-4.6	-0.8	+0.5	11.4	4	-12.4	28	339	21	..	110	1	..
Secretary Island AWS	19	13.2	7.4	10.3	-0.5	..	..	..	..	..	..	..	..	..	..
Puysegur Point AWS	45	12.9	7.9	10.4	+0.2	17.4	25	3.1	28	188	28	-47	25	14	..
Stephens Island AWS	188	14.7	9.9	12.3	..	..	..	..	..	..	..	..	..	..	..
Pelorus Sd, Crail Bay	13	18.1	9.6	13.9	+0.8	24.2	13	4.0	28	151	12	-42	39	16	..
Nelson Aero	2	17.6	8.4	13.0	+0.3	23.2	31	1.5	28	35	11	-54	14	17	..
Appleby 2 EWS	18	18.3	5.8	12.1	+0.3	24.3	31	-0.3	28	29	8	-51	12	17	264
Richmond EWS	1	17.5	6.6	12.1	-0.6	23.6	31	-0.1	28	32	9	..	11	16	275
Nelson Aero AWS	6	17.4	8.5	13.0	+0.3	22.6	31	2.6	28	36	10	-50	12	16	..
Blenheim Research EWS	4	18.9	7.2	13.1	+0.0	..	..	..	..	33	10	-24	13	17	277
Blenheim Aero AWS	36	18.9	6.1	12.5	+0.2	24.7	13	-0.6	1	55	14	-10	23	17	..
Brothers Island AWS	68	14.9	10.8	12.9	+0.3	..	..	..	..	..	..	..	..	..	..
Grassmere Salt Works	2	17.7	10.5	14.1	+0.6	24.5	26	2.4	28	33	7	-7	16	17	..
Cape Campbell AWS	6	15.4	9.9	12.7	+0.6	21.7	25	5.5	28	42	11	+3	15	17	..
Hanmer Forest EWS	363	19.0	3.2	11.1	+0.9	27.7	6	-3.2	28	77	13	-19	26	26	..
Kaikoura, Middle Cree	5	17.0	5.2	11.1	+0.7	29.0	26	-1.0	1	..	..	..	..	..	..
Kaikoura AWS	108	16.8	8.3	12.6	+0.7	28.1	26	3.4	4	36	13	-28	14	10	..
Arthurs Pass	745	12.9	3.1	8.0	+0.7	20.8	30	-2.4	28	574	14	+85	91	26	..
Arthurs Pass EWS	745	12.9	2.9	7.9	+0.7	20.8	30	-2.5	28	580	15	..	102	26	..
Arthurs Pass AWS	743	12.4	3.0	7.7	+0.7	19.9	31	-2.2	28	640	17	..	114	26	..
Culverden AWS	181	17.8	5.0	11.4	+0.2	..	..	..	..	..	..	..	..	..	..
Medbury CWS	232	17.3	4.5	10.9	-0.3	24.7	4	-2.4	28	63	12	..	12	16	..
Balmoral East CWS	172	18.4	4.4	11.4	..	26.6	4	-2.4	4	37	10	..	9	16	..
Waipara North Branch	497	15.6	3.2	9.4	..	22.2	4	-5.1	28	98	13	..	23	26	..
Waiiau School CWS	136	19.2	5.3	12.3	+0.4	26.9	4	-1.4	28	42	10	-27	8	17	..
Cheviot EWS	75	18.1	5.4	11.8	+0.3	26.0	6	-1.7	28	27	9	-43	7	10	262
Upper Rakaia EWS	1752	6.4	-0.6	2.9	+1.4	14.8	4	-6.9	3	221	23	+14	46	25	..
Mt Potts EWS	2128	4.6	-2.7	1.0	+0.9	11.7	5	-10.9	3	548	17	..	251	25	..
Mt Cook EWS	730	15.2	3.4	9.3	+0.7	24.5	5	-2.8	28	571	15	+177	147	25	..
Mueller Hut EWS	1818	5.8	-1.4	2.2	+0.9	13.1	4	-9.2	3	375	16	..	154	25	..
Mt Cook Aero AWS	656	16.1	2.8	9.5	+0.7	25.3	5	-5.3	28	345	16	..	82	25	..
Cass EWS	571	16.2	3.0	9.6	..	26.3	5	-4.0	28	161	15	..	38	26	..
Methven CWS	313	17.1	5.2	11.2	+0.3	25.0	4	-1.0	28	79	14	+3	27	16	..
Te Pirita at Sharland	208	16.6	5.4	11.0	..	22.5	25	0.7	18	45	12	..	18	16	..
Winchmore 2 EWS	164	17.7	4.5	11.1	..	22.7	25	-1.4	28	47	10	-11	21	16	241
Chertsey CWS	108	16.7	6.1	11.4	+0.2	21.2	25	-0.5	28	49	9	-5	19	16	..
Mayfield at Ruapuna F	325	16.9	4.4	10.7	..	24.0	4	-1.9	28	95	17	..	15	16	..
Peel Forest	286	17.3	3.4	10.4	+0.2	24.5	4	..	..	87	17	-15	22	16	..
Lismore, Racemans Hou	168	19.4	4.7	12.1	+1.2	..	..	-0.7	28	55	12	..	17	16	..
Ashburton Council	101	18.9	5.7	12.3	+0.6	27.4	26	0.6	28	67	11	+7	22	16	..
Ashburton Aero AWS	88	17.7	5.3	11.5	+0.6	22.5	6	-0.7	8	65	13	-3	20	16	248
Waipara West EWS	130	18.0	6.3	12.2	+0.3	23.2	6	0.1	4	54	13	-2	13	16	..
Ohoka CWS	39	17.0	5.1	11.1	..	24.1	26	-1.4	1	..	..	..	..	..	..
Rangiora EWS	23	17.7	5.5	11.6	+0.4	24.3	26	-1.5	1	46	9	-10	13	16	250
Christchurch Aero	37	17.3	5.9	11.6	+0.3	24.1	26	-1.0	1	43	10	-6	14	16	247
Christchurch Aero Bac	37	17.5	5.7	11.6	+0.5	24.0	26	-1.1	1	45	10	..	15	10	..
Christchurch Gardens	7	18.4	7.1	12.8	+0.6	25.0	26	0.7	28	40	10	-10	15	16	..
Christchurch, Kyle St	6	18.4	7.1	12.8	+0.4	25.9	26	0.2	28	35	8	-11	13	16	..
Christchurch Botanic	17	18.0	7.0	12.5	..	25.3	26	0.5	28	37	8	..	14	16	..
Bromley EWS	3	17.1	7.6	12.4	..	25.2	26	0.9	28	33	10	..	13	10	258
Lincoln, Broadfield E	18	17.5	6.6	12.1	+0.5	24.5	26	-0.9	28	32	7	-15	13	16	239
Lincoln, Broadfield E	17	17.2	6.2	11.7	..	23.9	26	-1.5	28	58	14	..	13	16	..
Sugar Loaf AWS	496	14.7	5.5	10.1	+0.2	21.6	4	0.0	28	..	..	..	..	..	..
Diamond Harbour EWS	122	16.4	7.4	11.9	+0.5	24.0	26	1.7	28	39	11	..	9	16	245
Akaroa EWS	45	18.2	7.5	12.9	+0.5	25.4	26	3.2	28	52	9	-19	20	26	236

Summary of the records of Temperature, Rainfall and Sunshine October 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		
Le Bons Bay AWS	238	14.3	6.9	10.6	+0.1	..	..	..	..	..	..	..	..	..
Lake Tekapo, Air Safa	762	16.0	2.1	9.1	+0.4	23.9	5	-3.6	28	47	..	-1	12	16	
Lake Tekapo EWS	762	16.8	2.5	9.7	+0.7	24.4	5	-3.7	3	45	12	+0	12	16	
Fairlie AWS	403	16.2	4.9	10.6	+0.5	22.8	25	-0.2	3	71	14	..	21	16	
Pukaki Aerodrome AWS	461	18.5	2.6	10.6	+0.5	25.5	5	-2.8	1	50	15	-5	10	16	
Orari Estate	81	18.6	4.6	11.6	+0.7	24.8	6	-0.9	4	38	12	-19	13	16	
Orari Estate EWS	81	18.5	4.6	11.6	+0.8	23.7	6	-1.0	4	38	13	..	13	16	
Timaru Aero AWS	27	17.9	4.3	11.1	+0.7	24.3	6	-1.6	4	39	11	-9	14	16	
Timaru EWS	17	17.8	6.6	12.2	+1.4	25.8	6	1.2	4	33	7	-15	12	10	
Otaio @ Springbank ro	14	16.7	5.9	11.3	..	23.3	6	0.7	4	55	10	..	23	10	
Waimate CWS	39	17.7	5.8	11.8	+1.2	25.0	6	0.7	8	24	6	-14	12	16	
Oamaru Airport AWS	30	16.4	5.7	11.1	+0.9	23.7	26	1.4	11	41	10	+2	12	16	
Albert Burn	1280	8.7	-0.1	4.3	+0.1	..	..	..	..	265	16	+25	50	1
Mt Larkins EWS	1900	2.9	-3.3	-0.2	+1.1	9.2	5	-11.9	27	184	23	..	57	25	
Eglinton, Knobs Flat	365	14.7	2.7	8.7	-0.1	21.3	31	-2.6	3	249	15	+29	50	25	
Tara Hills AWS	485	17.5	3.0	10.3	+0.4	24.8	5	-2.4	3	83	10	+41	17	25	
Wanaka CWS	331	17.0	4.7	10.9	..	22.9	31	-1.4	28	66	9	..	17	25	
Wanaka Aero AWS	352	17.3	4.7	11.0	+0.3	23.4	5	-0.9	28	63	10	+12	17	25	
Windsor EWS	81	17.8	3.8	10.8	+0.5	23.6	13	-1.1	11	29	8	-12	13	26	
Ranfurlly EWS	450	16.9	2.5	9.7	+0.5	23.8	5	-4.5	11	27	9	-10	11	16	
Oamaru AWS	40	16.7	6.0	11.4	+0.7	23.8	13	0.8	11	45	11	-11	20	16	
Palmerston	21	17.7	3.3	10.5	+0.4	24.2	13	-1.9	11	30	6	-22	15	26	
Middlemarch EWS	213	18.3	3.1	10.7	+0.6	24.8	31	-1.8	11	26	8	-48	11	16	
Swampy Summit AWS	716	12.7	3.2	8.0	+1.1	..	..	..	..	..	..	..	..	..
Dunedin Aero AWS	2	17.7	4.2	11.0	+0.6	23.4	13	-0.9	18	33	11	-27	11	16	
Dunedin, Musselburgh	4	16.7	7.1	11.9	+0.9	23.9	13	1.2	16	34	9	-26	12	26	
Oamaru EWS	20	16.6	5.8	11.2	+1.3	23.3	6	0.4	11	37	7	..	14	26	
Murchison Mtns EWS	1140	7.3	0.6	4.0	+0.1	..	..	..	..	..	..	..	..	..
Te Anau At Park HQ Cw	204	14.3	4.6	9.5	..	20.7	30	-1.2	3	..	..	..	..	..
Manapouri, West Arm J	178	13.5	4.0	8.8	-0.1	20.0	31	-1.0	3	358	20	-19	80	25	
Manapouri Aero AWS	209	15.1	3.3	9.2	-0.1	20.1	25	-2.7	3	107	19	-6	25	25	
Birchwood WXT AWS	149	14.9	5.4	10.2	+0.5	..	..	..	..	..	..	..	..	..
Queenstown EWS	322	16.9	5.4	11.2	..	22.0	19	0.5	3	81	11	..	21	25	
Queenstown Aero AWS	357	15.9	4.2	10.1	+0.2	20.7	31	-1.7	11	63	12	+1	15	25	
Five Rivers CWS	260	15.7	4.1	9.9	+0.3	21.2	25	-1.3	23	67	15	..	13	2	
Lumsden AWS	194	15.7	4.2	10.0	+0.2	21.1	5	-1.0	18	57	12	-29	12	25	
Waipounamu CWS	152	16.4	4.2	10.3	+0.4	22.4	5	-1.2	18	53	14	..	8	26	
Cromwell EWS	213	19.4	4.2	11.8	+0.1	25.1	5	-1.4	3	30	8	-4	13	25	
Lauder EWS	375	17.4	3.5	10.5	+0.4	24.8	5	-3.5	3	27	9	-9	9	16	
Ophir 2	305	18.7	2.1	10.4	+0.7	25.8	5	-4.8	11	28	9	-8	9	16	
Alexandra	150	20.7	4.9	12.8	+0.9	..	..	..	..	..	..	..	..	..
Clyde 2 EWS	170	19.4	3.5	11.5	+0.4	..	..	..	..	37	10	+2	16	25
Alexandra AWS	231	18.6	4.5	11.6	+0.9	24.8	5	-2.3	3	34	9	..	15	25	
Alexandra EWS	132	19.3	4.7	12.0	..	26.0	5	-1.3	3	27	8	..	12	25	
Roxburgh WXT AWS	160	17.5	5.2	11.4	+0.3	25.0	5	0.8	23	28	14	..	9	2	
Ettrick No.2	91	18.3	3.0	10.7	+0.1	25.3	31	-1.0	3	25	8	-30	7	26	
Tapanui EWS	180	16.7	4.0	10.4	..	22.9	5	-1.1	23	58	16	..	14	27	
Gore AWS	123	15.1	5.1	10.1	+0.2	23.0	5	-0.1	3	77	22	-11	21	26	
Gore EWS	60	15.9	4.1	10.0	..	23.4	5	-0.9	3	62	17	..	19	26	
Invercargill Aero	1	14.9	5.0	10.0	+0.0	22.1	5	0.4	3	73	20	-32	19	26	
Invercargill Aero AWS	3	14.8	4.9	9.9	-0.1	22.2	5	0.8	3	73	22	-33	16	26	
Invercargill Aero 2 E		14.6	4.2	9.4	-0.4	22.0	5	-0.3	3	70	20	-37	18	26	
Tiwai Point EWS	5	14.4	6.7	10.6	+0.3	20.3	13	1.2	28	72	19	-27	16	15	
Stewart Is	3	14.2	5.7	10.0	+0.3	..	..	1.0	3	122	..	-25	..	..
Stewart Island EWS	3	14.3	5.9	10.1	..	21.6	6	1.0	27	116	24	..	20	15	
Balclutha, Telford Ew	11	16.4	5.1	10.8	+0.8	23.2	6	1.0	27	30	15	-32	7	2	
Balclutha, Finegand E	6	16.4	5.3	10.9	..	23.5	6	..	..	30	14	..	6	16
Nugget Point AWS	131	14.8	6.1	10.5	+0.6	22.0	13	-0.1	28	21	17	-49	7	27	
Tautuku EWS	25	15.5	5.5	10.5	..	23.5	6	0.6	28	81	19	..	29	26	
South West Cape AWS	103	12.8	6.8	9.8	+0.2	..	..	..	..	84	27	-36	16	13
Solomon, Taro Is	3	31.2	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Munda	6	..	25.1	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	32.0	24.3	28.2	..	..	..	23.4	2	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine October 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		
Solomon, Henderson	9	32.2	23.3	27.8	..	..	..	21.8	18	..	..	..	..	..
Solomon, Santa Cruz	24	30.2	24.8	27.5	..	..	..	..	..	..	..	..	..	..
Vanuatu, Pekoa	56	..	23.0	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	28.4	21.6	25.0	..	..	..	..	..	..	..	..	..	..
New Cal, Koumac	18	27.4	18.5	23.0	..	32.7	25	16.2	1	..	..	..	..	..
New Cal, Oulop	7	26.4	20.7	23.6	..	29.7	18	13.9	20	..	..	..	..	..
New Cal, Ouanaham	29	26.0	19.4	22.7	..	29.4	28	11.4	20	..	..	..	..	..
New Cal, La Roche	42	26.0	17.7	21.9	..	30.6	28	9.7	9	..	..	..	..	..
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	..	..	..	..	..
New Cal, Moue	97	24.4	18.6	21.5	..	26.5	15	14.7	9	..	..	..	..	..
Kiribati, Tarawa	2	..	25.5	..	..	..	..	..	..	..	..	..	..	..
Kiribati, Bonriki Int	4	32.1	25.8	29.0	..	33.4	13	23.1	20	..	..	..	..	..
Tuvalu, Nui Is	2	31.6	..	..	..	..	..	..	..	..	..	..	..	..
Tuvalu, Funafuti Aero	1	32.4	26.7	29.6	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	..	25.8	..	..	..	..	..	..	..	..	..	..	..
Fiji, Nadi Aero	15	30.1	20.9	25.5	..	33.9	31	16.2	6	..	..	..	..	..
Fiji, Nausori Aero	6	28.4	21.0	24.7	..	31.4	30	..	..	..	..	..	..	..
Wallis Island, Hihifo	27	29.9	25.5	27.7	..	31.2	29	24.1	3	..	..	..	..	..
Maopopo, Futuna Isla	36	30.0	25.2	27.6	..	31.8	29	22.9	8	..	..	..	..	..
Samoa, Faleolo	4	31.5	24.1	27.8	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	30.2	23.9	27.1	..	31.8	4	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	30.0	25.0	27.5	..	..	..	21.0	9	..	..	..	..	..
Tonga, Queen Lavinia	60	29.2	23.6	26.4	..	..	..	..	..	..	..	..	..	..
Tonga, Keppel	2	29.2	23.4	26.3	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	27.5	20.3	23.9	..	..	..	14.8	8	..	..	..	..	..
Salote Pilolevu Airpo	2	26.7	21.7	24.2	..	..	..	18.9	8	..	..	..	..	..
Tonga, Fuaamotu Aero	38	26.4	19.9	23.2	..	29.9	23	12.9	9	..	..	..	..	..
CI Rarotonga Aero	7	26.1	20.6	23.4	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	29.8	23.9	26.9	..	32.0	20	22.5	28	148	28	..	15	31	
Society Is, Mopelia		29.3	24.9	27.1	..	30.6	17	22.6	18	..	..	..	..	..
Tahiti - Faa	1	29.6	23.5	26.6	..	30.9	12	21.5	18	125	12	..	58	18	
Tuamotu, Takaroa	2	30.8	25.5	28.2	..	31.7	22	23.0	14	..	..	..	..	..
Tuamotu, Hao	3	28.3	24.5	26.4	..	..	..	22.6	27	..	..	..	..	..
Gambier, Rikitea	91	26.1	21.3	23.7	..	..	..	19.2	4	82	14	..	48	30
Rapa	1	21.9	17.9	19.9	..	24.0	1	14.0	29	206	17	..	80	23	
Raoul Island AWS	50	21.2	15.3	18.3	+0.4	23.4	28	10.7	2	124	14	+54	53	30	
Enderby Is AWS	39	10.0	5.2	7.6	..	11.9	30	-1.7	27	123	30	..	19	1	
Campbell Island AWS	16	8.9	3.7	6.3	+0.0	11.9	6	-2.4	27	140	29	+26	14	6	
Chatham Island Aero A	12	16.0	8.3	12.2	+1.1	19.5	15	3.2	28	22	13	-34	3	10	
Georg Von Neumayer	40	-11.7	-17.9	-14.8	..	-2.3	14	-31.9	20	..	..	..	..	..
Ant South Pole	2827	-49.7	-56.4	-53.1	..	-37.8	9	-64.9	2	..	..	..	..	..
Gen Belgrano 2	256	-9.6	-16.6	-13.1	..	-4.4	14	-25.1	20	..	..	..	..	..
Bellingshausen	16	-1.7	-4.5	-3.1	..	1.3	25	-10.0	10	..	..	..	..	..
Base Jubany	4	-0.7	-5.4	-3.1	..	5.4	1	-14.6	29	..	..	..	..	..
V C Marambio	198	-6.5	-14.3	-10.4	..	6.6	31	-20.4	11	..	..	..	..	..
Eduardo Frei	10	-3.2	-5.5	-4.4	..	-0.2	23	..	..	..	..	..	..	..
Arturo Prat		-2.0	-4.1	-3.1	..	2.5	30	-9.8	29	..	..	..	..	..
Great Wall	10	-1.6	-5.0	-3.3	..	..	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	-3.3	-6.3	-4.8	..	1.2	22	..	..	..	..	..	..	..
Palmer Station	8	..	-4.9	..	..	..	..	..	..	..	..	..	..	..
Rothera Point	16	-3.6	-7.5	-5.6	..	2.2	30	-11.9	8	..	..	..	..	..
Argentine Is, Faraday	11	-1.1	-4.7	-2.9	..	..	..	..	..	..	..	..	..	..
Gen San Martin	4	-2.9	-10.3	-6.6	..	3.2	23	-17.8	15	..	..	..	..	..
Novolax Arevskaja	99	-9.2	-15.1	-12.2	..	-3.4	31	-24.7	8	..	..	..	..	..
Maitri		-8.4	-14.7	-11.6	..	..	..	..	..	..	..	..	..	..
Syowa	21	-10.0	-17.5	-13.8	..	-3.3	30	-26.5	5	..	..	..	..	..
Mawson	16	-8.7	-17.3	-13.0	..	..	..	-23.1	4	..	..	..	..	..
Davis	13	-8.3	-16.4	-12.4	..	..	..	-22.0	15	..	..	..	..	..
Progress	64	-9.1	-14.0	-11.6	..	-0.9	26	-20.9	4	..	..	..	..	..
Mirnyj	30	-10.8	-16.4	-13.6	..	-3.4	27	-26.0	15	..	..	..	..	..
Vostok	3420	-51.9	-63.4	-57.7	..	..	..	..	..	..	..	..	..	..
Casey	41	-8.8	-16.6	-12.7	..	..	..	-21.8	23	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine October 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	Hrs		
Durmout Durville	43	-10.2	-18.2	-14.2	..	-3.2	31	-23.4	8	..	..	..	..	..
Mcmurdo	24	-15.4	-23.9	-19.7	..	-9.8	26	-28.6	8	..	..	..	..	..
Arrival Heights EWS	187	-17.4	-26.8	-22.1	..	..	..	..	..	..	..	..	..	..
Scott Base 2 EWS	42	-16.7	-26.4	-21.6	..	-10.0	26	-33.7	8	..	..	..	..	..
Darwin Airport	31	34.6	15.2	24.9	..	38.0	15	10.7	2	..	..	..	..	..
Late returns and corrections for September 2023															
Pureora Forest CWS	549	13.6	5.6	9.6	+1.5	..	..	-3.2	2	..	..	..	..	..
Mt Ruapehu, Chateau E	1097	11.3	2.4	6.9	+2.0	..	..	..	..	..	..	..	..	..
Baring Head	79	..	9.5	..	..	..	..	4.7	16	38	11	..	11	23
Paraparaumu Aero	5	15.8	6.9	11.4	+0.3	..	..	..	..	..	..	..	..	..
Ohoka CWS	39	16.4	5.2	10.8	..	23.2	17	-2.0	1	..	..	..	..	..
Albert Burn	1280	6.9	-0.4	3.3	+0.4	13.2	8	-5.6	25	525	21	+280	121	16	
Stewart Is	3	13.8	5.5	9.7	+1.1	..	..	..	..	196	..	+73	..	..
Vanuatu, Bauerfield	20	27.6	20.0	23.8	..	..	..	..	..	237	12	..	198	14
New Cal, Koumac	18	25.2	17.5	21.4	..	27.0	5	14.3	28	34	12	..	17	13	
New Cal, Nouma	72	24.9	18.4	21.7	..	..	..	..	..	..	..	..	..	..
Maopopo, Futuna Isla	36	31.4	26.9	29.2	..	32.2	15	25.8	12	56	17	..	31	3	
Samoa, Pago Pago Aero	3	29.5	24.9	27.2	..	..	..	22.6	7	256	19	..	146	6
Late returns and corrections for August 2023															
Ohoka CWS	39	12.3	0.5	6.4	..	18.8	20	-3.3	12	..	..	..	..	..
Albert Burn	1280	5.3	-2.6	1.4	+0.2	23.0	4	-8.0	28	87	15	-61	32	19	

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.

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