



Climate Database Statistics Report

December 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 December 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		
Cape Reinga AWS	213	20.6	15.3	18.0	+0.6	23.9	20	12.8	9	64	21	..	15	23	..
Kaitaia Aero EWS	80	22.6	15.9	19.3	+1.3	26.4	21	9.2	1	152	17	+54	46	5	..
Kaitaia Airport AWS	77	22.7	15.8	19.3	..	26.0	21	9.0	1	160	18	..	49	5	..
Kaitaia EWS	85	22.8	16.7	19.8	+2.1	25.9	27	10.0	1	153	17	+51	33	25	105
Kerikeri EWS	79	23.8	15.5	19.7	+1.7	28.3	30	7.9	1	65	15	-49	14	5	..
Kerikeri Aerodrome Aw	149	23.0	15.1	19.1	+1.3	28.3	30	9.5	1	73	15	-69	13	23	..
Kaikohe AWS	204	21.8	15.1	18.5	+1.1	26.3	30	8.9	9	109	16	-12	28	31	..
Trounson CWS	244	22.1	14.6	18.4	+2.2	26.7	21	6.6	1	122	24	+19	40	5	..
Dargaville 2 EWS	66	23.2	15.8	19.5	+1.6	26.8	21	9.7	9	82	14	+3	31	5	82
Purerua AWS	87	22.0	15.9	19.0	+1.2	24.5	27	10.7	1	74	18	-18	15	5	..
Whangarei Aero AWS	37	23.3	16.3	19.8	+1.0	29.5	30	10.5	9	87	16	-4	22	5	..
Whangarei EWS	12	24.0	15.5	19.8	+1.8	30.8	30	8.8	9	92	17	..	28	26	130
Mokohinau Island AWS	70	20.6	17.1	18.9	+0.5	23.9	23	13.6	14	..	..	..	..	..	..
Leigh 2 EWS	27	24.1	16.4	20.3	..	28.4	20	12.7	1	135	17	+54	33	29	..
Warkworth EWS	72	22.4	14.1	18.3	+1.2	27.6	31	7.2	9	..	..	..	..	..	..
Whangaparaoa AWS	100	23.5	15.9	19.7	+1.5	26.9	27	11.9	1	135	21	+56	37	29	..
Auckland, Whenuapai A	26	22.6	15.0	18.8	+1.1	27.6	31	8.0	9	121	22	..	41	29	..
Auckland, North Shore	64	23.0	15.5	19.3	+1.9	27.9	31	9.7	9	141	14	+54	46	29	164
Auckland, Motat EWS	16	23.4	16.0	19.7	..	28.1	31	9.3	9	125	13	..	53	29	190
Manukau Heads EWS	240	19.6	15.1	17.4	..	23.4	21	11.4	9	127	16	..	42	29	134
Whitianga Aero AWS	5	23.2	15.2	19.2	+1.4	27.7	30	8.3	1	123	14	-4	45	29	..
Whitianga EWS	1	23.9	15.0	19.5	+1.4	28.6	30	7.4	1	108	12	..	41	29	..
Thames EWS	3	23.6	15.4	19.5	..	27.6	31	9.2	1	127	11	..	52	29	..
Matamata, Hinuera EWS	85	23.4	13.9	18.7	+1.9	27.9	27	6.5	1	99	10	-15	27	29	..
Tauranga CWS	3	22.0	15.2	18.6	..	..	..	..	..	..	..	..	..	..	..
Tauranga Aero AWS	2	23.6	15.5	19.6	+1.3	28.4	26	9.4	1	127	16	+24	33	31	225
Te Puke EWS	123	23.3	14.6	19.0	+1.6	28.0	27	9.0	1	129	16	-7	28	29	..
Whakatane Aero AWS	8	23.4	14.7	19.1	+1.2	..	..	..	..	..	..	..	..	..	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	242
Whakatane EWS	1	24.1	15.6	19.9	..	28.6	27	9.6	13	70	12	..	28	29	..
Mamaku Radar WXT AWS	17	18.2	11.7	15.0	+1.1	..	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	26.8	14.7	20.8	+2.3	31.8	27	8.3	13	..	..	..	..	..	180
Rotorua EWS	288	21.5	12.1	16.8	..	26.7	27	5.7	13	145	16	..	33	4	221
Rotorua Aero AWS	286	22.0	12.6	17.3	+1.1	27.0	27	6.0	1	115	16	-2	20	4	..
Galatea AWS	175	23.0	13.6	18.3	+1.4	27.7	16	6.7	13	122	17	..	30	31	..
Taupo CWS	360	23.4	12.5	18.0	..	28.4	27	6.6	1	184	15	..	50	31	..
Tarapounamu EWS	701	19.1	9.7	14.4	+0.8	24.4	21	2.4	13	170	18	+52	44	25	..
Taupo Aero AWS	402	21.8	12.5	17.2	+1.5	25.8	27	6.9	1	190	13	+102	49	24	..
Motu EWS	488	21.7	11.9	16.8	+2.4	25.8	14	1.8	13	140	15	-31	35	31	..
Auckland, Mangere 2 E	16	23.0	16.2	19.6	..	27.3	31	9.6	9	111	13	+39	46	29	165
Auckland Aero	7	22.9	16.3	19.6	+1.1	28.3	31	11.1	9	147	15	+65	62	29	..
Auckland Aero Backup	7	22.8	16.4	19.6	+1.2	28.2	31	11.1	9	137	15	..	56	29	..
Ardmore Aero AWS	41	22.9	14.9	18.9	..	27.0	26	9.0	9	..	..	..	..	..	..
Firth Of Thames EWS	3	23.3	14.8	19.1	+1.6	26.7	27	8.7	1	109	12	+42	39	31	143
Whatawhata 2 EWS	118	22.9	14.0	18.5	+1.6	29.3	21	8.5	8	138	16	+14	28	29	..
Hamilton, Ruakura 2 E	45	23.6	14.3	19.0	+1.8	27.6	23	8.6	1	78	9	-21	20	29	155
Hamilton Aero AWS	53	23.0	13.9	18.5	+1.4	27.6	27	8.4	1	90	14	-10	16	29	..
Lake Karapiro CWS	55	23.9	15.8	19.9	+1.9	29.3	21	9.8	1	62	13	-33	15	24	..
Port Taharoa AWS	18	21.0	15.9	18.5	+0.9	27.8	23	12.7	11	176	17	+52	36	29	..
Awakino EWS	400	19.0	12.7	15.9	..	24.6	22	8.7	1	282	17	+175	54	31	..
Waikeria EWS	37	24.7	15.5	20.1	..	29.9	27	6.0	1	96	12	+3	27	29	153
Te Kuiti EWS	61	23.8	13.1	18.5	+1.5	28.8	27	5.2	1	176	12	+47	43	29	140
Pureora Forest CWS	549	20.0	11.3	15.7	+1.8	24.9	27	..	..	..	..	..	..	..	..
Taumarunui EWS	170	23.6	13.3	18.5	+2.3	28.8	27	6.8	13	138	15	+5	50	31	..
Taumarunui AWS	186	24.0	13.3	18.7	+2.2	30.4	27	6.9	13	139	14	..	37	31	148
Turangi 2 EWS	360	21.5	11.1	16.3	+0.9	26.2	21	4.8	17	243	13	+112	63	29	201
New Plymouth Aero AWS	28	20.2	14.7	17.5	+1.2	24.4	23	9.6	1	145	17	+26	23	28	196
Lower Retaruke CWS	233	23.1	13.1	18.1	+1.7	28.3	27	6.8	13	123	15	-23	33	31	..
Mt Ruapehu, Chateau E	1097	17.2	8.1	12.7	+1.8	21.5	22	0.7	15	101	15	-144	25	24	..
Pahiatua EWS	110	21.7	12.4	17.1	+1.6	26.9	23	4.1	11	75	16	..	16	10	..
Masterton Aero AWS	105	22.9	11.6	17.3	+1.1	29.0	21	3.3	11	37	11	..	9	12	..
Masterton EWS	90	24.0	11.6	17.8	+1.8	31.8	21	3.2	11	38	10	..	14	12	196
Masterton, Te Ore Ore	110	24.2	12.6	18.4	+1.5	31.5	26	4.0	11	25	8	-36	11	12	..

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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		
Takapau Plains AWS	346	21.5	11.9	16.7	+1.6	27.3	24	4.5	13	70	15	-5	16	24	..
Dannevirke EWS	207	22.1	13.0	17.6	+1.9	27.9	29	5.8	13	51	13	-28	11	24	157
Cape Turnagain AWS	285	17.9	12.6	15.3	+0.9	24.6	29	6.9	13	64	18	..	25	24	..
Akitio EWS	245	19.8	12.6	16.2	+1.4	26.2	29	5.5	13	56	15	..	20	12	199
Castlepoint AWS	120	20.2	13.6	16.9	+0.8	26.2	24	8.0	13	37	15	-21	16	12	..
Baring Head	79	19.1	13.1	16.1	..	23.0	26	7.0	11	19	9	..	6	16	..
Te Wharau, Brackenfie	292	20.9	10.4	15.7	+0.7	27.5	20	2.2	11	42	5	-22	22	28	..
Martinborough EWS	20	23.1	12.9	18.0	+1.6	28.4	23	3.0	11	30	8	-29	14	12	142
Ngawi AWS	8	22.3	14.6	18.5	+1.1	26.3	26	8.0	11	35	11	-32	8	28	..
Hicks Bay AWS	46	21.6	15.3	18.5	+1.2	24.6	27	8.1	13	99	15	-4	28	4	..
Gisborne Aero AWS	5	24.1	14.8	19.5	+1.4	29.2	21	7.1	13	100	13	+36	38	4	188
Gisborne EWS	12	24.8	14.2	19.5	+1.0	29.8	30	6.7	13	73	14	+13	34	4	..
Tolaga Bay WXT AWS	15	22.4	14.9	18.7	+1.8	28.9	30	8.1	14	115	16	..	37	4	..
Tutira CWS	235	22.5	13.6	18.1	+1.8	28.6	21	4.4	13	63	14	-13	16	26	..
Napier Aero AWS	3	24.2	14.4	19.3	+1.5	31.8	25	5.5	13	49	14	-9	8	3	..
Napier EWS	7	24.7	16.2	20.5	..	32.5	25	7.5	13	40	9	-16	10	3	239
Maraekakaho CWS	150	24.4	12.9	18.7	..	31.1	25	3.9	13	18	10	..	5	24	..
Hastings AWS	16	24.8	13.9	19.4	+1.4	33.2	30	4.5	13	..	..	..	..	..	..
Whakatu EWS	5	24.4	12.8	18.6	+1.9	32.3	25	3.7	13	28	11	-22	6	3	..
Waipawa EWS	130	23.6	11.9	17.8	+1.5	30.4	31	5.0	13	60	13	-1	40	24	163
Wairoa, North Clyde E	15	25.5	14.7	20.1	+1.9	31.3	30	6.3	13	58	15	-19	16	4	..
Wairoa Aero AWS	13	24.0	14.0	19.0	+1.7	29.8	21	5.0	13	78	17	..	18	4	..
Mahia Radar WXT AWS	419	19.5	13.1	16.3	+1.3	..	..	..	..	..	..	..	..	..	..
Mahia AWS	136	21.2	14.8	18.0	+1.2	28.0	30	9.6	13	84	15	+16	21	4	..
Cape Kidnappers WXT A	113	20.6	15.8	18.2	+1.6	26.7	30	9.2	13	..	..	..	..	..	..
Paraparaumu Aero	5	..	11.7	..	..	..	..	..	..	80	15	-9	17	16	182
Paraparaumu Aero AWS	8	20.3	13.8	17.1	+1.0	24.1	23	4.6	11	93	15	+10	18	16	210
Paraparaumu Aero EWS	5	20.7	13.8	17.3	..	24.5	23	4.8	11	75	15	-9	15	16	197
Ohakea AWS	47	22.1	14.0	18.1	+1.4	26.7	29	7.2	11	72	15	..	30	31	..
Palmerston North Aero	39	22.4	13.5	18.0	+1.5	27.4	23	7.2	13	98	15	+13	34	31	..
Palmerston North EWS	21	22.6	14.1	18.4	+1.9	28.0	23	7.8	13	89	13	-1	25	24	173
Levin AWS	15	21.4	14.0	17.7	+1.4	26.0	28	5.8	11	85	19	-14	15	24	..
Levin EWS	23	21.6	13.6	17.6	..	26.7	28	6.2	11	78	16	..	15	24	155
Mana Island AWS	110	18.1	13.5	15.8	+1.0	22.1	28	8.5	11	45	14	..	12	28	..
Porirua, Elsdon Park	7	19.8	14.0	16.9	..	..	..	..	..	69	16	..	17	16	180
Wellington, Kelburn A	125	18.9	13.2	16.1	+0.5	23.3	28	7.0	11	85	16	-6	21	12	196
Wellington Aero	4	20.3	14.1	17.2	+0.7	24.6	23	7.6	11	42	15	-25	12	12	..
Wellington, Greta Poi	3	22.2	15.5	18.9	+2.1	27.0	23	9.9	11	63	13	..	18	12	..
Wellington Aero Backu	4	20.3	14.2	17.3	+0.8	24.5	23	7.8	11	43	15	-26	12	12	..
Upper Hutt, Trentham	50	20.8	12.9	16.9	+1.3	24.7	28	3.7	11	96	15	-7	36	16	203
Stratford EWS	280	20.0	11.9	16.0	+1.2	24.6	22	6.5	8	141	15	-13	30	24	171
Manaia, Motumate Stm	105	22.7	14.0	18.4	..	27.5	23	5.9	11	50	14	..	8	3	..
Hawera AWS	100	20.2	13.4	16.8	+1.4	25.8	23	7.0	11	61	15	-38	8	5	..
Ohakune EWS	607	21.5	11.6	16.6	+2.2	25.6	21	4.9	2	95	13	-9	36	31	..
Waiouru Aero AWS	820	19.7	9.2	14.5	+2.2	24.7	29	2.2	13	53	19	..	13	31	..
Waiouru EWS	803	19.9	9.1	14.5	..	23.8	29	2.2	13	58	17	-49	12	31	..
Taihape Rec	433	23.6	11.2	17.4	+1.9	28.0	21	4.0	13	37	10	-44	10	29	..
Flat Hills WXT AWS	262	22.0	13.4	17.7	+2.0	26.0	29	5.8	13	51	18	-43	18	31	..
Whanganui Aero AWS	14	21.9	14.3	18.1	+1.4	28.7	29	6.4	11	68	15	-22	24	31	..
Wanganui 2 AWS	18	23.4	14.4	18.9	+1.7	29.0	29	7.0	11	..	..	..	..	..	..
Takaka EWS	20	23.0	11.9	17.5	+1.4	28.8	26	5.6	13	255	14	+64	96	2	251
Farewell Spit AWS	3	22.3	14.4	18.4	+1.6	..	..	10.9	11	..	..	..	..	..	..
Westport Aero AWS	5	18.6	12.9	15.8	+0.6	21.7	21	7.6	8	297	20	+100	63	2	..
Westport EWS	6	18.8	12.5	15.7	..	22.7	21	7.6	1	298	19	..	65	2	212
Arapito EWS	3	20.6	13.1	16.9	+1.7	27.0	24	7.4	1	211	17	+0	59	9	171
Hokitika Aero	39	18.6	12.2	15.4	+0.9	22.5	23	7.0	1	351	19	+79	61	2	193
Hokitika Aero AWS	40	18.5	12.2	15.4	+0.9	22.5	23	7.1	1	361	21	+85	61	2	225
Hokitika EWS	39	18.5	12.0	15.3	..	22.5	23	6.8	1	330	17	..	59	2	..
Reefton EWS	198	22.5	12.1	17.3	+1.4	28.2	21	6.3	1	135	16	-27	35	2	206
Greymouth Aero EWS	5	18.9	12.4	15.7	+1.1	21.9	28	7.3	1	264	20	+31	53	9	165
Pigeon Creek CWS	105	20.1	12.4	16.3	+1.4	25.0	28	..	..	462	21	..	105	2	..
Mt Philistine EWS	1655	9.6	4.3	7.0	+1.7	18.1	21	-0.6	8	731	20	..	111	29	..
Mahanga EWS	1995	9.1	3.6	6.4	+1.3	18.7	21	-3.2	13	368	20	..	53	16	..

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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	11.2	5.8	8.5	..	18.4	21	1.1	13	912	20	+258	207	2	..
Okarito EWS	1	18.4	11.8	15.1	..	21.8	28	6.3	1	410	20	..	98	2	..
Franz Josef EWS	80	19.6	11.4	15.5	+1.4	23.6	28	5.4	1	434	21	-3	107	2	154
Lake Moeraki EWS	10	17.9	10.7	14.3	..	22.6	21	5.2	8	221	17	..	74	2	..
Haast AWS	1	17.4	10.8	14.1	+0.7	20.3	28	6.0	7	300	27	-40	59	9	..
Milford Sound AWS	3	18.0	11.2	14.6	+0.5	22.5	23	..	..	822	21	+237	204	20	..
Milford Sound EWS	3	17.8	10.7	14.3	..	22.3	23	6.7	13	..	..	..	..	..	..
Castle Mount EWS	2000	7.3	0.7	4.0	+1.0	..	..	..	..	..	..	..	..	..	..
Secretary Island AWS	19	16.9	10.7	13.8	+0.3	..	..	6.4	4	..	..	..	..	..	..
Puysegur Point AWS	45	16.0	10.9	13.5	+0.7	22.7	20	6.8	5	195	25	-1	23	20	..
Stephens Island AWS	188	17.8	13.1	15.5	..	..	..	..	..	..	..	..	..	..	..
Motueka, Riwaka EWS	8	23.8	13.0	18.4	+1.8	..	..	..	..	42	8	-57	18	23	..
Pelorus Sd, Crail Bay	13	21.2	13.7	17.5	+0.9	25.1	7	8.0	13	252	13	+104	54	28	..
Nelson Aero	2	22.1	14.4	18.3	+1.6	..	..	..	..	..	..	..	..	..	..
Appleby 2 EWS	18	22.9	11.6	17.3	+1.6	26.9	30	4.7	15	42	8	-46	17	28	250
Richmond EWS	1	21.9	13.1	17.5	+0.9	26.1	7	8.6	13	50	9	..	21	28	..
Nelson Aero AWS	6	21.6	14.4	18.0	+1.2	25.4	31	10.0	13	65	12	-24	21	28	..
Blenheim Research EWS	4	23.8	12.3	18.1	+1.3	29.4	26	5.9	2	14	8	-36	7	23	245
Blenheim Aero AWS	36	23.4	11.8	17.6	+1.1	29.3	26	4.2	2	33	9	-23	12	23	..
Brothers Island AWS	68	17.7	13.6	15.7	+0.4	..	..	..	..	..	..	..	..	..	..
Cape Campbell AWS	6	18.5	13.4	16.0	+0.8	24.3	25	9.2	13	32	6	-8	13	12	..
Hanmer Forest EWS	363	23.5	9.4	16.5	+2.1	33.7	20	2.7	11	16	9	-55	7	10	..
Kaikoura, Middle Cree	5	20.8	11.0	15.9	+1.3	29.4	30	3.5	11	6	6	..	2	12	..
Kaikoura AWS	108	20.5	12.6	16.6	+1.2	29.4	29	7.2	13	50	11	+1	24	12	..
Arthurs Pass	745	17.7	9.1	13.4	+1.6	26.3	21	3.3	8	490	..	+42	80	30	..
Arthurs Pass EWS	745	17.7	9.0	13.4	+1.5	26.3	21	3.1	8	492	18	..	81	29	..
Arthurs Pass AWS	743	17.0	9.0	13.0	+1.6	25.3	21	3.2	8	550	18	..	87	29	..
Culverden AWS	181	21.9	11.2	16.6	+1.1	31.9	20	4.4	11	33	11	-15	17	12	..
Medbury CWS	232	22.0	9.9	16.0	+0.7	31.8	20	0.0	5	33	7	..	13	12	..
Balmoral East CWS	172	22.3	10.8	16.6	..	31.8	20	3.8	11	31	7	..	16	12	..
Waipara North Branch	497	20.5	9.3	14.9	..	30.4	20	1.1	8	49	12	..	21	12	..
Waiiau School CWS	136	23.6	11.5	17.6	+1.1	33.6	20	4.6	2	28	7	-30	15	10	..
Cheviot EWS	75	22.5	11.0	16.8	+1.4	31.7	29	2.5	11	47	7	+2	25	12	208
Upper Rakaia EWS	1752	10.8	4.9	7.9	+2.3	18.0	21	-0.5	1	318	21	+74	79	9	..
Mt Potts EWS	2128	10.6	3.4	7.0	+2.4	18.6	19	-2.6	1	425	14	..	160	9	..
Mt Cook EWS	730	20.5	9.1	14.8	+2.0	28.7	21	4.4	8	360	15	-66	83	29	217
Mueller Hut EWS	1818	10.7	4.5	7.6	+2.0	17.2	21	-0.7	12	490	17	..	113	2	..
Mt Cook Aero AWS	656	21.6	9.1	15.4	+2.2	29.2	21	3.1	2	159	16	..	42	9	..
Cass EWS	571	21.5	9.5	15.5	..	28.9	20	0.9	8	60	14	..	19	30	..
Methven CWS	313	20.7	10.1	15.4	+0.8	29.7	20	4.2	2	55	14	-30	14	26	..
Te Pirita at Sharland	208	20.6	10.2	15.4	..	30.3	20	0.0	6	32	10	..	11	26	..
Winchmore 2 EWS	164	21.6	9.7	15.7	..	31.7	20	4.3	11	33	13	-30	14	26	168
Chertsey CWS	108	20.5	11.1	15.8	+1.0	29.3	20	6.0	11	37	11	-16	10	12	..
Mayfield at Ruapuna F	325	20.1	9.6	14.9	..	29.1	20	3.8	11	92	20	..	20	26	..
Peel Forest	286	20.2	9.6	14.9	+0.8	29.9	20	4.1	11	117	25	-1	31	26	..
Lismore, Racemans Hou	168	20.6	10.6	15.6	+0.9	30.1	29	4.4	11	47	14	..	11	26	..
Ashburton Council	101	23.0	11.3	17.2	+1.5	32.2	29	5.5	11	55	16	-5	11	26	..
Ashburton Aero AWS	88	21.3	10.8	16.1	+1.3	30.7	29	4.3	11	40	13	-29	10	26	177
Waipara West EWS	130	22.6	11.2	16.9	+1.0	31.4	29	4.2	11	34	9	-18	13	12	173
Ohoka CWS	39	20.8	11.5	16.2	..	29.2	29	4.6	11	..	..	..	..	..	..
Rangiora EWS	23	21.7	11.7	16.7	+1.4	29.9	17	4.4	11	52	11	+5	14	12	188
Christchurch Aero	37	21.6	11.7	16.7	+1.0	31.0	29	6.5	11	34	13	-14	7	26	188
Christchurch Aero Bac	37	21.8	11.6	16.7	+1.1	31.2	29	6.2	11	57	11	..	26	12	..
Christchurch Gardens	7	22.2	12.5	17.4	+1.2	30.4	29	7.6	13	50	13	-2	11	12	..
Christchurch, Kyle St	6	22.6	12.6	17.6	+1.3	30.8	29	7.9	13	35	8	-12	13	12	..
Christchurch Botanic	17	22.2	12.4	17.3	..	..	..	..	..	..	..	..	..	..	..
Bromley EWS	3	21.8	12.7	17.3	..	30.7	30	7.6	13	38	10	..	9	12	194
Lincoln, Broadfield E	18	21.5	11.9	16.7	+1.2	30.8	29	6.9	12	42	9	-7	14	12	198
Lincoln, Broadfield E	17	21.5	11.5	16.5	..	30.5	29	6.2	12	43	11	..	14	12	..
Sugar Loaf AWS	496	18.6	9.5	14.1	+0.7	26.4	20	4.6	13	..	..	..	..	..	..
Diamond Harbour EWS	122	21.0	11.7	16.4	+1.1	28.0	30	6.4	13	50	10	..	11	12	209
Akaroa EWS	45	21.9	11.9	16.9	+0.7	30.0	29	7.2	13	59	10	-2	23	12	209
Lake Tekapo, Air Safa	762	22.4	7.0	14.7	+1.4	30.6	..	1.7	11	12	8	-35	6	22	..

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

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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		
Lake Tekapo EWS	762	23.6	7.9	15.8	+2.4	30.5	20	0.8	11	8	8	-33	5	22	328
Fairlie AWS	403	19.4	10.1	14.8	+1.1	29.8	20	5.5	11	31	18	..	9	17	..
Pukaki Aerodrome AWS	461	25.6	9.1	17.4	+2.5	32.5	21	0.2	11	8	9	-55	3	24	..
Orari Estate	81	21.7	10.2	16.0	+1.1	30.6	20	4.6	11	34	..	-26	10	26	..
Orari Estate EWS	81	21.4	10.5	16.0	+1.5	30.3	20	4.3	11	32	17	..	9	26	..
Timaru Aero AWS	27	20.6	10.6	15.6	+1.2	30.5	17	4.0	11	40	17	-12	13	26	..
Timaru EWS	17	19.2	11.4	15.3	+1.0	25.6	9	7.3	11	65	16	+11	18	26	..
Otaio @ Springbank ro	14	18.4	11.5	15.0	..	26.3	20	5.9	11	61	14	..	21	26	..
Waimate CWS	39	19.4	11.2	15.3	+0.9	27.1	20	6.6	2	55	18	+11	14	26	..
Oamaru Airport AWS	30	18.5	10.9	14.7	+0.7	26.1	20	4.9	1	41	19	-12	14	26	..
Albert Burn	1280	14.6	5.9	10.3	+1.6	21.3	14	1.2	7	255	18	-11	57	9	..
Mt Larkins EWS	1900	8.1	2.3	5.2	+1.9	13.9	28	-4.2	12	243	26	..	44	9	..
Eglinton, Knobs Flat	365	20.2	8.2	14.2	+1.1	25.1	28	0.0	12	173	19	+10	24	29	..
Tara Hills AWS	485	24.0	9.7	16.9	+2.2	30.6	21	2.5	11	35	9	-19	9	7	..
Wanaka CWS	331	23.2	11.3	17.3	..	27.4	23	4.2	5	36	10	..	10	2	..
Wanaka Aero AWS	352	24.5	11.6	18.1	+2.5	29.6	14	5.3	5	36	10	-22	8	2	..
Windsor EWS	81	20.3	9.8	15.1	+0.9	28.7	15	4.2	1	51	15	-5	13	25	..
Ranfurly EWS	450	22.6	7.8	15.2	+1.5	31.1	20	1.6	2	22	9	-39	7	26	..
Oamaru AWS	40	18.8	10.7	14.8	+0.9	27.0	20	4.3	1	58	18	-1	16	26	..
Palmerston	21	19.8	9.6	14.7	+0.8	29.5	15	3.0	1	41	12	-17	15	26	157
Middlemarch EWS	213	22.1	8.8	15.5	+1.2	..	..	..	..	..	..	..	..	..	..
Swampy Summit AWS	716	15.0	6.4	10.7	+0.5	..	..	..	..	..	..	..	..	..	..
Dunedin Aero AWS	2	20.5	9.7	15.1	+0.9	29.0	15	3.5	1	57	14	-12	8	22	..
Dunedin, Musselburgh	4	18.3	11.2	14.8	+0.8	26.0	20	6.7	1	61	17	-10	23	25	205
Oamaru EWS	20	18.6	10.6	14.6	+1.1	26.8	20	3.8	1	43	13	..	17	26	197
Murchison Mtns EWS	1140	12.5	5.4	9.0	+1.1	18.6	28	-0.4	1	326	22	+76	57	20	..
Takahe Valley CWS	895	15.5	3.3	9.4	+0.4	22.3	28	-0.6	1	199	20	..	30	29	..
Te Anau At Park HQ Cw	204	18.5	8.8	13.7	..	25.1	28	1.9	1	..	..	..	..	..	..
Manapouri, West Arm J	178	18.7	9.2	14.0	+0.9	26.7	28	2.2	4	356	23	+44	61	29	..
Manapouri Aero AWS	209	20.1	8.3	14.2	+0.9	27.1	28	-0.6	1	109	19	+12	25	29	..
Birchwood WXT AWS	149	18.7	9.2	14.0	+0.7	25.9	20	3.3	11	..	..	..	..	..	..
Queenstown EWS	322	22.8	11.2	17.0	..	28.1	28	4.8	5	69	15	..	12	29	..
Queenstown Aero AWS	357	21.2	10.3	15.8	+1.5	25.6	28	3.1	5	61	15	+1	12	2	274
Five Rivers CWS	260	19.8	8.4	14.1	+0.8	27.4	20	0.5	1	56	18	..	10	24	..
Lumsden AWS	194	19.9	8.1	14.0	+0.6	26.5	20	0.3	1	63	20	-31	11	24	..
Waipounamu CWS	152	20.2	8.5	14.4	+0.4	27.9	19	2.9	1	56	18	..	9	21	..
Cromwell EWS	213	25.6	10.7	18.2	+1.8	31.0	22	3.5	11	14	9	-31	5	29	296
Lauder EWS	375	23.9	9.5	16.7	+1.9	29.6	20	2.4	5	..	..	..	..	..	..
Ophir 2	305	23.8	8.6	16.2	+1.8	29.8	20	1.5	11	31	7	-18	11	26	..
Alexandra	150	25.6	11.1	18.4	+1.7	32.0	20	4.4	5	29	9	-6	9	24	274
Clyde 2 EWS	170	25.5	9.9	17.7	+1.5	32.2	20	1.9	5	25	9	-18	7	26	..
Alexandra AWS	231	24.3	10.1	17.2	+1.7	31.1	20	3.1	5	39	7	..	11	22	..
Alexandra EWS	132	24.9	10.8	17.9	..	32.6	20	4.8	5	20	6	..	7	24	267
Roxburgh WXT AWS	160	21.0	10.2	15.6	+0.6	29.0	20	2.8	5	50	13	..	14	22	..
Tapanui EWS	180	20.6	8.6	14.6	..	27.5	28	1.2	5	87	19	..	22	12	..
Gore AWS	123	18.9	9.0	14.0	+0.6	25.3	15	3.6	5	95	24	+7	20	12	..
Gore EWS	60	19.2	8.6	13.9	..	25.9	15	1.8	5	75	22	..	18	12	199
Invercargill Aero	1	18.6	9.0	13.8	+0.6	..	..	..	..	100	20	+8	23	29	186
Invercargill Aero AWS	3	18.3	9.2	13.8	+0.5	26.3	20	2.6	5	102	21	+9	23	29	..
Invercargill Aero 2 E		18.1	8.3	13.2	+0.1	26.1	20	1.4	5	93	21	+10	21	29	187
Tiwai Point EWS	5	17.2	10.3	13.8	+0.4	26.3	20	5.5	13	74	18	-13	15	29	..
Stewart Island EWS	3	17.0	9.5	13.3	..	24.7	15	4.8	4	105	21	..	28	20	..
Balclutha, Telford Ew	11	20.5	8.9	14.7	+1.5	29.1	15	2.5	5	39	15	-6	9	12	155
Balclutha, Finegand E	6	20.0	9.5	14.8	..	28.7	15	2.9	5	43	15	..	10	24	..
Nugget Point AWS	131	16.8	9.6	13.2	+0.2	24.7	15	5.8	13	52	21	-17	13	12	..
Tautuku EWS	25	18.2	9.3	13.8	..	27.6	20	4.5	5	59	21	..	15	12	..
South West Cape AWS	103	15.3	9.3	12.3	+0.0	22.5	20	5.8	12	..	..	..	..	..	..
Kiribati,Cassidy Chri	3	32.1	25.9	29.0	..	..	..	..	..	..	..	..	..	..	..
Solomon, Taro Is	3	32.4	..	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Munda	6	..	25.2	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	32.6	24.7	28.7
Solomon, Henderson	9	31.4	24.2	27.8	22.3	20
Solomon, Santa Cruz	24	..	24.7

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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		
Vanuatu,Pekoa	56	31.0	23.8	27.4	
Vanuatu, Bauerfield	20	31.2	22.3	26.8	..	..	..	17.2	15	..	..	..	..	..
New Cal, Koumac	18	30.9	22.1	26.5	..	33.9	27	19.3	12	..	..	..	..	..
New Cal, Oulop	7	29.8	24.1	27.0	..	31.9	23	21.0	1	..	..	..	..	..
New Cal, Ouanaham	29	29.7	22.8	26.3	..	32.0	23	18.9	3	..	..	..	..	..
New Cal, La Roche	42	29.3	19.7	24.5	..	31.3	21	14.5	4	..	..	..	..	..
New Cal, La Tontouta	14	33.8	20.6	27.2	..	37.1	26	16.6	7	19	3	..	14	16	
New Cal, Nouma	72	31.4	22.8	27.1	..	36.0	26	20.1	15	..	..	..	..	..
New Cal, Moue	97	28.3	21.5	24.9	..	30.0	22	18.6	7	..	..	..	..	..
Kiribati,Butaritari	2	31.7	26.0	28.9	..	..	..	23.9	10	..	..	..	..	..
Kiribati,Tarawa	2	..	25.5	..	..	..	..	..	..	..	..	..	..	..
Kiribati, Bonriki Int	4	31.0	25.7	28.4	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	33.1	26.9	30.0	..	..	..	25.0	5	..	..	..	..	..
Tuvalu, Niulakita Is	3	..	26.1	..	..	..	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	32.6	22.8	27.7	..	34.1	20	19.1	13	..	..	..	..	..
Fiji,Nausori Aero	6	31.2	23.3	27.3	..	..	..	18.0	11	..	..	..	..	..
Wallis Island, Hihifo	27	31.3	25.9	28.6	..	33.0	26	23.6	22	..	..	..	..	..
Maopoopo, Futuna Isla	36	31.9	25.3	28.6	..	33.0	28	22.5	21	..	..	..	..	..
Samoa,Faleolo	4	31.4	24.8	28.1	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	30.5	24.4	27.5	..	..	..	22.6	27	..	..	..	..	..
Samoa, Pago Pago Aero	3	30.7	26.1	28.4	..	..	..	22.5	14	..	..	..	..	..
Tonga, Lupepauu	67	30.0	24.2	27.1	..	..	..	..	..	..	..	..	..	..
Salote Pilolevu Airpo	2	30.0	25.1	27.6	..	..	..	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	29.6	23.5	26.6	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	28.4	22.5	25.5	..	..	..	19.9	25	..	..	..	..	..
Vanuatu, Saratamata	18	..	24.2	..	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	32.5	24.2	28.4	..	34.9	23	23.0	13	64	16	..	21	28	
Society Is, Mopelia		29.5	25.3	27.4	..	31.3	29	22.1	6	..	..	..	..	..
Tahiti - Faaa	1	30.6	25.0	27.8	..	32.2	31	23.2	6	166	17	..	45	6	
Tuamotu, Takaroa	2	31.5	26.0	28.8	..	32.6	30	24.1	17	..	..	..	..	..
Gambier, Rikitea	91	26.4	22.0	24.2	..	28.7	17	19.1	11	205	20	..	89	22	
Tubuai	2	26.3	21.7	24.0	..	28.5	28	19.2	24	..	..	..	..	..
Rapa	1	24.1	19.5	21.8	..	27.5	28	14.7	27	168	18	..	95	31	
Raoul Island AWS	50	25.3	19.3	22.3	+1.2	29.1	31	15.1	14	115	13	+16	36	6	
Enderby Is AWS	39	12.3	7.7	10.0	..	14.7	28	4.3	22	187	26	..	26	20	
Campbell Island AWS	16	10.8	6.4	8.6	-0.3	..	..	2.0	4	215	28	+100	33	20
Chatham Island Aero A	12	18.7	11.7	15.2	+0.8	24.8	17	5.0	9	64	10	+1	21	31	
Georg Von Neumayer	40	-1.9	-8.5	-5.2	..	0.6	13	-20.2	3	..	..	..	..	..
Ant South Pole	2827	-26.9	-30.7	-28.8	..	-22.3	20	-35.3	1	..	..	..	..	..
Halley Bay	30	-2.8	-10.0	-6.4	..	1.4	30	-16.1	27	..	..	..	..	..
Gen Belgrano 2	256	1.3	-7.0	-2.9	..	5.5	6	-11.2	5	..	..	..	..	..
Bellingshausen	16	2.2	-0.5	0.9	..	6.4	15	..	..	..	..	..	..	..
Base Jubany	4	3.5	-0.2	1.7	..	8.0	15	-3.5	7	..	..	..	..	..
V C Marambio	198	1.6	-2.8	-0.6	..	9.6	18	-7.2	3	..	..	..	..	..
Eduardo Frei	10	-0.1	-2.1	-1.1	..	..	..	-3.6	31	..	..	..	..	..
Arturo Prat		2.5	0.0	1.3	..	4.9	27	-3.2	4	..	..	..	..	..
Bernado Ohiggins	10	-0.4	..	..	..	..	..	..	..	..	..	..	..	..
Palmer Station	8	2.2	-0.8	0.7	..	..	..	..	..	..	..	..	..	..
Rothera Point	16	1.6	-1.3	0.2	..	6.1	18	-4.8	4	..	..	..	..	..
Argentine Is, Faraday	11	1.9	-1.1	0.4	..	4.4	29	-3.4	4	..	..	..	..	..
Gen San Martin	4	4.0	-1.0	1.5	..	7.5	30	-3.6	4	..	..	..	..	..
Novolax Arevskaja	99	1.8	-3.4	-0.8	..	9.2	17	-16.5	28	..	..	..	..	..
Maitri		2.4	-3.3	-0.5	..	..	..	..	..	..	..	..	..	..
Syowa	21	0.2	-5.1	-2.5	..	3.0	5	-10.7	23	..	..	..	..	..
Mawson	16	2.5	-4.7	-1.1	..	..	..	-8.1	2	..	..	..	..	..
Davis	13	1.8	-3.9	-1.1	..	..	..	-7.7	11	..	..	..	..	..
Progress	64	0.9	-3.5	-1.3	..	5.4	2	-8.6	11	..	..	..	..	..
Mirnyj	30	-0.4	-7.0	-3.7	..	..	..	..	..	..	..	..	..	..
Vostok	3420	-28.7	-39.2	-34.0	..	..	..	-42.8	8	..	..	..	..	..
Casey	41	0.5	-5.0	-2.3	..	..	..	-7.6	11	..	..	..	..	..
Wilkins Runway East	755	-3.4	-11.2	-7.3	..	..	..	..	..	..	..	..	..	..
Durmont Durville	43	1.3	-4.6	-1.7	..	5.1	3	-7.7	7	
Arrival Heights EWS	187	-2.5	-7.5	-5.0	..	0.9	5	-15.0	10	

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Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine Hrs
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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		
Scott Base 2 EWS	42	-1.4	-8.5	-5.0	..	2.0	5	-16.8	11	
Casey, Skiway South	392	0.5	-9.2	-4.4	..	..	..	..	..	..	..	..	..	..
Darwin Airport	31	34.1	19.3	26.7	..	36.1	2	15.1	14	..	..	..	..	..
Late returns and corrections for November 2023															
Kaitiā EWS	85	20.0	12.7	16.4	+0.8	23.1	23	8.4	13	94	12	+18	25	22	202
Waiheke Island, Awaro	34	21.0	10.9	16.0	+0.3	25.5	21	6.7	7	74	12	-2	22	3	..
Auckland Aero	7	20.2	13.2	16.7	+0.5	..	..	9.9	25	..	..	..	..	..	..
Wellington Aero	4	17.6	12.0	14.8	+0.4	22.1	1	8.0	11	44	17	-31	6	28	..
Blenheim Research EWS	4	21.1	9.4	15.3	+0.6	30.0	23	3.4	11	22	9	-27	5	28	244
Grassmere Salt Works	2	19.3	12.1	15.7	+0.4	25.9	28	6.8	11	15	11	-32	6	23	..
Christchurch Aero	37	18.6	7.4	13.0	-0.2	27.4	23	0.0	26	47	10	+2	10	19	233
Cromwell EWS	213	21.4	6.7	14.1	+0.2	27.4	21	0.9	18	27	5	-10	11	2	267
Ettrick No.2	91	19.5	6.8	13.2	+0.8	25.0	11	0.5	18	58	9	+3	18	4	..
Stewart Is	3	15.7	5.8	10.8	-0.1	..	..	..	..	81	..	-53	..	..	..
Late returns and corrections for October 2023															
Boyle River Lodge	600	16.3	3.9	10.1	+0.5	26.6	..	..	..	270	..	+42	83	26	..
Clyde 2 EWS	170	19.4	3.6	11.5	+0.4	26.1	5	-3.2	11	37	10	+2	16	25	..
Balclutha, Finegand E	6	16.4	5.2	10.8	..	23.5	6	1.1	27	30	14	..	6	16	..
Late returns and corrections for September 2023															
Whitiā EWS	1	18.0	10.2	14.1	+1.3	22.8	20	0.4	1	206	19	..	59	4	..
Rotorua EWS	288	15.1	7.2	11.2	..	21.8	20	1.5	1	165	18	..	39	25	184
Pukekohe EWS	88	16.4	8.7	12.6	+0.3	22.0	21	2.0	1	148	19	+40	56	23	..
Mt Ruapehu, Chateau E	1097	11.3	2.5	6.9	+2.0	19.4	20	-4.6	1	..	..	..	..	..	..
Dannevirke EWS	207	16.0	7.6	11.8	+1.8	23.4	21	-0.4	16	90	14	-1	30	23	180
Gisborne EWS	12	19.1	8.1	13.6	+1.0	27.1	21	2.3	2	163	10	+90	65	24	..
Stratford EWS	280	14.5	6.6	10.6	+0.8	19.1	8	0.7	1	182	19	-9	50	23	175
Ohakune EWS	607	14.5	5.1	9.8	+1.7	21.3	21	-1.8	1	..	..	..	..	..	..
Winchmore 2 EWS	164	16.2	4.2	10.2	..	22.5	20	-2.0	26	47	7	-5	27	22	183
Lake Tekapo EWS	762	14.1	1.7	7.9	+1.2	22.4	20	-3.8	26	41	10	+7	17	23	204
Cromwell EWS	213	17.2	3.5	10.4	+1.1	24.9	20	-0.8	25	72	8	+45	45	21	216
Lauder EWS	375	15.0	3.1	9.1	+1.1	22.0	20	-2.7	26	65	6	+41	34	21	..
Balclutha, Finegand E	6	14.6	4.4	9.5	..	26.6	20	-1.9	25	69	15	..	27	21	..
Late returns and corrections for May 2023															
Mt Ruapehu, Chateau E	1097	10.3	3.7	7.0	+0.9	15.4	8	-3.4	17	297	22	+43	57	20	..
Late returns and corrections for April 2023															
Whanganui, Spriggens	15	20.3	11.1	15.7	+0.8	25.4	20	5.6	25	58	12	-27	18	21	..
Castle Mount EWS	2000	6.7	-0.6	3.1	+1.6	12.6	19	-7.2	24	260	23	..	49	4	..
Late returns and corrections for March 2023															
Whanganui, Spriggens	15	21.4	12.5	17.0	-0.1	24.4	9	7.6	29	91	14	+31	20	9	..
Late returns and corrections for February 2023															
Gisborne EWS	12	24.1	14.4	19.3	-0.9	29.2	4	..	..	358	17	+292	131	13	..
Late returns and corrections for June 2022															
Brothers Island AWS	68	14.2	10.8	12.5	+1.4	17.0	26	7.5	21	103	19	+23	27	28	..

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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