



Climate Database Statistics Report

March 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 March 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	21.7	16.0	18.9	+0.0	..	..	..	..	..	..	..	..	..
Kaitaia Aero EWS	80	23.2	13.0	18.1	-0.8	26.4	4	7.0	30	43	7	-53	31	17	
Kaitaia Aero AWS	77	23.1	12.7	17.9	..	..	..	..	..	..	..	..	..	..
Kaitaia EWS	85	22.8	13.7	18.3	-0.3	25.9	4	7.3	30	27	8	-58	19	17	
Kerikeri EWS	79	23.7	11.7	17.7	-0.7	26.8	8	4.9	31	28	7	-88	11	17	
Kerikeri Aerodrome Aw	149	23.0	12.2	17.6	-0.7	25.9	18	6.2	31	38	10	-98	13	17	
Kaikohe AWS	204	22.1	12.7	17.4	-0.7	..	..	..	..	78	15	-41	43	17
Trounson CWS	244	21.0	10.7	15.9	-1.1	23.2	17	4.1	30	56	10	-46	17	17	
Dargaville 2 EWS	66	22.3	13.0	17.7	-0.7	24.9	16	5.8	31	21	7	-44	8	10	
Purerua AWS	87	22.5	13.9	18.2	-0.5	25.7	8	7.8	30	43	7	-52	20	10	
Russell CWS	15	23.1	11.4	17.3	..	26.0	18	4.2	30	8	5	-101	7	6	
Whangarei Aero AWS	38	23.2	13.4	18.3	-0.7	25.8	4	6.9	30	17	9	-102	7	17	
Whangarei EWS	12	24.0	11.5	17.8	-0.6	26.5	4	4.2	30	23	9	..	10	17	
Mokohinau AWS	70	21.3	17.4	19.4	-0.2	..	..	..	..	..	..	..	..	..
Leigh 2 EWS	27	24.6	15.0	19.8	..	28.1	1	10.2	30	31	7	-61	17	10	
Warkworth EWS	72	22.4	10.4	16.4	-1.1	24.8	2	4.4	30	72	6	-33	51	17	
Whangaparaoa AWS	100	23.2	14.9	19.1	-0.1	27.0	4	9.7	30	62	13	-26	36	17	
Tiri Tiri Lighthouse	76	21.7	14.3	18.0	-1.0	24.0	10	10.0	30	64	10	-23	37	17	
Auckland, Whenuapai A	26	22.3	11.2	16.8	-1.4	25.0	4	4.0	30	54	11	..	21	17	
Auckland, North Shore	64	22.9	12.5	17.7	-0.5	25.3	2	6.6	30	52	8	-36	21	17	
Auckland, Henderson N	7	23.8	11.3	17.6	-1.0	27.6	4	4.6	30	46	10	-45	13	21	
Auckland, Motat EWS	16	23.1	12.6	17.9	..	26.5	1	6.3	30	36	9	..	12	21	
Waiheke Island, Awaro	34	23.4	10.3	16.9	-1.5	26.8	3	..	..	..	..	..	..	..
Manukau Heads EWS	240	19.7	14.6	17.2	..	22.3	2	8.6	30	57	8	..	22	10	
Whitianga Aero AWS	5	22.7	11.8	17.3	-0.5	26.8	4	6.1	30	86	16	-43	31	5	
Whitianga EWS	1	23.7	11.1	17.4	-0.5	28.2	4	4.3	30	89	9	..	35	5	
Thames EWS	3	23.1	11.9	17.5	..	26.8	4	4.3	30	56	7	..	30	17	
Matamata, Hinuera EWS	85	22.0	9.0	15.5	-1.3	25.7	3	1.0	30	73	8	+14	47	17	
Tauranga CWS	3	..	13.5	..	..	..	..	6.4	30	..	..	..	..	..
Tauranga Aero AWS	2	22.9	13.5	18.2	-0.2	..	..	..	..	..	..	..	..	..
Te Puke EWS	123	22.8	12.5	17.7	+0.3	27.3	4	6.6	30	109	11	-20	27	17	
Whakatane Aero AWS	8	22.6	12.3	17.5	-0.1	..	..	..	..	..	..	..	..	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	260
Whakatane EWS	1	23.3	12.6	18.0	..	26.1	11	3.3	30	67	9	..	26	17	
Mamaku Radar WXT AW	617	16.8	10.0	13.4	-1.1	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	24.2	11.1	17.7	-0.5	..	..	3.1	30	..	..	..	..	..
Rotorua EWS	288	21.4	10.2	15.8	..	25.3	4	1.9	30	125	9	..	58	17	
Rotorua Aero AWS	286	21.2	9.9	15.6	-0.5	24.8	4	2.8	30	117	10	+17	67	17	
Galatea AWS	175	21.7	9.7	15.7	-0.6	26.1	2	1.8	30	122	12	..	40	17	
Taupo CWS	360	22.0	9.7	15.9	..	26.1	4	4.0	23	79	17	..	29	5	
Tarapounamu EWS	701	16.9	8.2	12.6	-0.8	21.8	4	1.6	29	146	13	+32	35	21	
Taupo AWS	402	19.9	9.0	14.5	-0.7	24.4	3	2.2	29	60	14	-6	14	21	
Motu EWS	488	20.7	8.8	14.8	+0.7	27.4	4	0.0	30	156	12	+21	70	17	
Auckland, Mangere 2 E	16	22.6	13.8	18.2	..	25.0	3	7.0	30	37	7	-53	13	21	
Auckland Aero	7	22.3	14.1	18.2	-0.7	25.2	17	8.7	30	48	12	-27	19	21	
Auckland Aero Backup	7	22.4	14.3	18.4	-0.5	..	..	8.9	30	47	11	..	19	21
Ardmore Aero AWS	41	22.8	10.9	16.9	..	..	..	..	..	..	..	..	..	..
Pukekohe EWS	88	22.0	11.3	16.7	-1.2	24.1	3	4.6	30	66	9	-14	22	17	
Firth Of Thames EWS	3	23.4	10.1	16.8	-0.8	27.4	4	2.9	30	70	7	-28	41	17	
Whatawhata 2 EWS	118	22.5	11.3	16.9	-0.7	26.0	3	4.7	30	59	10	-46	19	21	
Hamilton, Ruakura 2 E	45	22.9	10.2	16.6	-0.8	26.5	3	3.8	23	62	7	-13	21	17	
Hamilton AWS	53	22.4	9.7	16.1	-1.0	26.1	3	3.5	23	61	14	-19	14	17	
Lake Karapiro CWS	55	22.9	12.4	17.7	-0.5	27.6	1	6.8	30	36	9	-31	10	21	
Port Taharoa AWS	18	20.9	14.4	17.7	-0.7	23.1	9	7.8	30	77	9	+9	18	21	
Awakino EWS	400	18.4	11.1	14.8	..	22.3	6	4.5	29	143	14	+27	49	17	
Waikeria EWS	37	23.0	9.2	16.1	..	27.4	3	1.4	30	57	8	-15	16	17	
Te Kuiti EWS	61	22.9	9.2	16.1	-0.9	27.3	1	3.5	31	87	11	+11	22	9	
Pureora Forest CWS	549	18.4	7.6	13.0	-0.9	22.0	5	0.9	31	92	12	+9	36	10	
Taumarunui EWS	170	21.9	9.4	15.7	-0.5	26.4	5	3.5	24	120	19	+39	34	17	
Taumarunui AWS	186	21.8	8.5	15.2	-0.8	..	..	0.9	24	98	19	..	25	17
Turangi 2 EWS	360	20.9	7.4	14.2	-0.6	25.1	4	0.8	24	67	8	-25	31	17	
New Plymouth AWS	28	21.0	11.2	16.1	-0.7	3.6	30	103	12	+12	29	20	
Lower Retaruke CWS	233	21.0	9.0	15.0	-1.0	25.7	1	2.1	24	106	14	+18	40	17	

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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		
Mt Ruapehu, Chateau E	1097	14.8	4.0	9.4	-1.6	19.9	2	-1.4	23	139	15	-22	33	17	..
Pahiatua EWS	110	20.5	9.6	15.1	-0.1	25.0	3	2.3	7	59	15	..	23	17	..
Masterton Aero AWS	105	20.9	9.5	15.2	-0.6	25.8	3	3.4	7	83	15	..	19	17	..
Masterton EWS	90	21.9	9.6	15.8	+0.1	27.9	3	3.7	7	71	13	..	18	28	218
Masterton, Te Ore Ore	110	22.3	10.3	16.3	-0.2	26.4	26	4.1	7	68	15	-2	19	28	..
Takapau Plains AWS	346	19.7	9.3	14.5	-0.3	24.7	3	3.6	7	63	18	-9	17	28	..
Dannevirke EWS	207	20.4	10.1	15.3	-0.1	25.4	3	3.8	7	67	12	-6	17	28	194
Cape Turnagain AWS	285	16.9	12.3	14.6	-0.2	22.2	17	6.1	29	..	..	..	..	..	..
Akitio EWS	245	18.5	11.6	15.1	+0.1	23.0	3	5.2	29	62	12	..	14	28	228
Castlepoint AWS	120	19.5	13.2	16.4	-0.1	23.7	17	6.7	29	59	14	-17	25	28	..
Baring Head	79	..	13.0	..	..	..	..	6.1	29	41	12	..	10	5	..
Te Wharau, Brackenfie	292	19.4	9.5	14.5	-0.5	24.8	2	3.6	7	117	12	-8	38	28	..
Martinborough EWS	20	21.1	10.0	15.6	-0.3	25.5	3	3.9	7	93	14	+43	20	28	168
Ngawi AWS	8	20.8	14.3	17.6	+0.4	25.5	3	8.4	29	71	13	+3	21	5	..
Hicks Bay AWS	46	21.5	14.1	17.8	-0.4	23.7	9	8.2	30	38	12	-68	15	28	..
Gisborne AWS	5	22.7	12.4	17.6	+0.1	27.8	9	7.9	25	45	11	-48	14	17	245
Gisborne EWS	12	23.5	11.8	17.7	-0.6	29.1	9	7.2	31	46	11	-48	15	17	..
Tolaga Bay WXT AWS	15	21.0	12.3	16.7	-0.2	25.5	17	7.5	31	58	19	..	20	10	..
Tutira CWS	235	20.9	10.8	15.9	+0.0	25.5	2	5.7	23	..	..	..	..	..	..
Napier Aero AWS	3	22.1	11.9	17.0	-0.2	27.0	10	7.5	31	70	14	+8	25	10	..
Napier EWS	7	23.1	12.7	17.9	..	28.0	9	7.6	24	43	9	-19	16	10	252
Maraekakaho CWS	150	22.7	10.1	16.4	..	..	..	..	..	105	9	..	61	4	..
Hastings AWS	16	23.2	10.6	16.9	-0.3	..	..	..	..	47	11	..	19	10	..
Whakatu EWS	5	23.1	9.4	16.3	+0.1	28.7	9	2.1	23	51	8	-3	28	10	..
Waipawa EWS	130	22.3	9.8	16.1	+0.3	25.9	4	5.4	24	29	11	-31	11	28	190
Wairoa, North Clyde E	15	23.7	12.0	17.9	+0.5	28.1	9	8.0	23	108	9	+5	32	21	..
Wairoa Aero AWS	13	22.2	11.3	16.8	+0.2	27.1	9	6.9	23	99	15	..	32	21	..
Mahia Radar WXT AWS	419	17.5	12.4	15.0	-0.2	..	..	..	..	..	..	..	..	..	..
Mahia AWS	136	19.8	14.0	16.9	-0.2	23.7	9	7.6	30	56	12	-34	23	28	..
Cape Kidnappers WXT A	113	19.7	14.7	17.2	+0.2	23.7	9	8.7	29	..	..	..	..	..	..
Paraparaumu Aero	5	20.4	12.6	16.5	+0.4	23.6	4	4.7	14	109	13	+42	49	17	185
Paraparaumu Aero AWS	8	20.4	12.8	16.6	+0.6	23.5	4	4.9	14	111	13	+47	48	17	..
Paraparaumu EWS	5	20.6	12.9	16.8	..	23.7	4	5.1	14	99	9	+36	44	17	188
Ohakea AWS	47	20.9	11.6	16.3	-0.4	24.1	9	3.9	29	67	14	..	20	28	..
Palmerston North AWS	39	21.5	11.1	16.3	-0.3	25.4	4	3.7	23	52	13	-6	15	28	..
Palmerston North EWS	21	21.6	11.5	16.6	-0.1	25.2	4	4.2	29	49	9	-8	16	17	203
Levin AWS	15	20.9	12.0	16.5	+0.2	24.4	4	4.1	23	60	17	-6	16	20	..
Levin EWS	23	20.8	11.7	16.3	..	24.5	4	4.4	23	49	13	..	15	20	..
Mana Island AWS	110	18.3	13.4	15.9	+0.6	21.2	10	6.0	29	75	14	..	18	28	..
Porirua, Elsdon Park	7	20.0	12.7	16.4	..	22.3	3	5.3	14	113	16	..	29	28	..
Wellington, Kelburn A	125	19.1	12.9	16.0	+0.1	22.7	11	5.6	29	134	15	+34	40	28	195
Wellington Aero	4	20.0	14.0	17.0	+0.4	22.9	2	7.3	29	97	14	+31	26	28	..
Wellington, Greta Poi	3	21.2	14.3	17.8	+0.8	25.3	1	7.4	29	110	14	..	36	28	..
Wellington Aero Backu	4	20.0	14.1	17.1	+0.7	23.0	9	8.3	29	95	14	+29	25	28	..
Upper Hutt, Trentham	50	20.2	10.7	15.5	+0.3	23.5	10	3.8	14	132	14	+63	30	28	179
Stratford EWS	280	19.3	9.2	14.3	-0.8	23.6	4	3.8	31	167	11	+44	38	17	206
Hawera AWS	100	20.0	11.0	15.5	-0.2	23.9	9	5.2	24	112	22	+41	21	20	..
Ohakune EWS	607	18.7	8.4	13.6	-0.2	..	..	..	..	..	..	..	..	..	..
Waiouru Airstrip AWS	820	16.7	6.0	11.4	-0.8	21.1	3	0.4	14	95	23	..	22	21	..
Waiouru EWS	803	17.6	6.3	12.0	..	23.2	3	0.7	24	66	20	+6	16	21	..
Flat Hills WXT AWS	262	19.5	10.5	15.0	-0.6	23.8	3	4.1	29	105	18	+42	42	21	..
Whanganui, Spriggens	15	21.5	12.5	17.0	-0.1	..	..	7.6	29	91	14	+31	20	9	..
Whanganui AWS	14	21.0	12.7	16.9	+0.1	24.3	9	7.7	29	84	14	+32	19	9	..
Wanganui 2 AWS	18	23.4	12.3	17.9	+0.6	..	..	..	..	..	..	..	..	..	..
Takaka EWS	20	22.4	10.0	16.2	+0.5	28.0	2	1.8	29	146	13	+12	60	16	264
Farewell Spit AWS	3	24.3	14.3	19.3	+2.0	..	..	..	..	..	..	..	..	..	..
Westport Aero AWS	5	19.7	11.5	15.6	-0.2	22.8	2	3.1	29	252	25	+109	54	12	..
Arapito EWS	3	21.2	10.9	16.1	+0.8	24.9	3	2.1	29	199	16	+53	40	9	210
Hokitika Aero	39	19.2	10.4	14.8	+0.1	23.0	2	2.1	30	347	19	+134	56	16	192
Hokitika AWS	40	19.2	10.6	14.9	+0.3	22.7	2	2.0	30	357	20	+155	57	16	220
Hokitika EWS	39	19.2	10.3	14.8	..	22.8	2	2.0	30	329	19	..	54	16	..
Reefton EWS	198	20.4	8.7	14.6	-0.6	1.1	30	198	16	+89	46	8	182
Greymouth Aero EWS	5	19.9	11.5	15.7	+0.7	23.2	2	4.4	29	291	19	+116	61	8	199

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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	18.7	9.4	14.1	-0.6	23.0	1	3.1	29	581	23	..	94	8	..
Mt Philistine EWS	1655	7.9	2.1	5.0	-1.1	11.8	19	-5.8	29	813	25	..	122	8	..
Mahanga EWS	1995	7.2	1.5	4.4	-1.3	12.0	19	-7.3	29	344	22	..	82	16	..
Ivory Glacier CWS	1390	10.3	4.2	7.3	..	13.7	2	-2.5	29	941	21	+376	172	16	..
Okarito EWS	1	19.4	10.1	14.8	..	22.0	5	1.5	29	376	17	..	109	20	..
Franz Josef EWS	80	20.0	9.3	14.7	+0.6	..	..	1.5	29	534	18	+285	138	20	174
Lake Moeraki EWS	10	19.1	8.6	13.9	..	22.3	9	0.9	29	449	19	..	148	20	..
Haast AWS	1	18.7	10.3	14.5	+0.5	21.9	2	2.1	29	483	19	+237	102	20	..
Milford Sound AWS	3	18.3	9.2	13.8	+0.0	..	..	3.0	30	..	..	..	..	..	..
Milford Sound EWS	3	18.4	9.1	13.8	..	24.4	8	3.0	30	..	..	..	..	..	..
Castle Mount EWS	2000	6.5	-1.3	2.6	-1.8	11.5	30	-9.2	29	522	28	..	94	16	..
Secretary Island AWS	19	18.4	11.4	14.9	+0.8	..	..	..	..	..	..	..	..	..	..
Stephens Island AWS	188	19.7	13.8	16.8	..	22.8	3	7.1	29	37	14	..	8	20	..
Motueka, Riwaka EWS	8	22.9	9.8	16.4	+0.4	..	..	..	..	56	13	-23	21	5	..
Nelson Aero	2	21.8	11.6	16.7	+0.3	26.0	10	2.8	29	49	11	-22	16	16	259
Appleby 2 EWS	18	22.5	9.2	15.9	+0.6	26.6	12	1.7	30	44	10	-27	19	16	250
Richmond EWS	1	21.2	10.4	15.8	-0.5	25.6	10	2.7	29	50	10	..	21	16	270
Nelson AWS	6	21.5	12.1	16.8	+0.2	..	..	4.3	29	53	9	-15	14	4	..
Blenheim Research EWS	4	22.3	10.6	16.5	+0.4	..	..	..	..	56	9	+17	15	13	247
Blenheim Aero AWS	36	22.8	9.4	16.1	+0.3	29.4	3	0.4	29	54	11	+10	12	5	..
Grassmere Salt Works	2	21.6	13.6	17.6	+0.9	27.6	8	7.1	14	49	10	+11	17	28	..
Cape Campbell AWS	6	19.0	13.7	16.4	+0.9	..	..	..	..	..	..	..	..	..	..
Hanmer Forest EWS	363	20.7	6.6	13.7	+0.1	28.6	3	-0.5	14	109	16	+34	30	5	..
Kaikoura, Middle Cree	5	19.6	10.0	14.8	+1.1	27.5	17	5.2	29	42	8	..	19	5	..
Kaikoura AWS	108	19.4	12.4	15.9	+0.6	27.6	9	4.9	30	131	14	+65	53	5	..
Arthurs Pass	745	15.2	6.7	11.0	-0.2	19.2	19	1.0	29	807	21	+486	203	16	..
Arthurs Pass EWS	745	15.3	6.5	10.9	-0.4	19.2	1	0.3	30	586	19	..	98	16	..
Arthurs Pass AWS	743	14.8	6.6	10.7	-0.2	18.5	1	0.9	30	650	23	..	111	16	..
Culverden AWS	181	20.3	8.5	14.4	-0.1	27.9	2	2.9	14	93	20	+46	35	5	..
Medbury CWS	232	19.9	7.6	13.8	-0.7	26.8	3	1.6	14	71	14	..	21	5	..
Balmoral East CWS	172	20.8	8.1	14.5	..	..	..	..	..	..	..	..	..	..	..
Waipara North Branch	497	18.4	7.2	12.8	..	24.8	2	-1.0	14	116	16	..	21	4	..
Waiiau School CWS	136	21.4	8.8	15.1	+0.0	29.0	3	2.4	14	108	13	+43	41	5	..
Cheviot EWS	75	20.6	8.8	14.7	+0.1	29.2	2	3.3	14	119	15	+71	59	5	204
Upper Rakaia EWS	1752	8.3	1.6	5.0	-1.5	14.5	19	-7.5	29	434	21	+257	81	20	..
Mt Potts EWS	2128	7.2	0.0	3.6	-1.9	14.7	2	-10.8	29	..	..	..	..	..	..
Mt Cook EWS	730	17.1	6.0	11.6	-0.8	24.2	2	-1.0	30	575	17	+260	166	20	..
Mueller Hut EWS	1818	8.9	2.9	5.9	-1.0	16.3	19	-7.3	29	782	20	..	182	20	..
Mt Cook Aero AWS	656	18.8	6.0	12.4	-0.1	..	..	..	..	304	19	..	95	20	..
Cass EWS	571	18.5	6.2	12.4	..	24.5	2	-0.6	31	134	15	..	20	17	..
Methven CWS	313	19.2	8.8	14.0	-0.3	29.1	2	3.0	29	119	17	+52	26	4	..
Winchmore 2 EWS	164	19.3	8.5	13.9	..	27.7	2	3.6	29	92	15	+34	23	28	196
Chertsey CWS	108	19.2	9.8	14.5	+0.0	28.3	2	4.3	29	107	15	+53	28	28	..
Mayfield at Ruapuna F	325	19.1	7.7	13.4	..	27.4	2	0.9	30	..	..	..	..	..	..
Peel Forest	286	19.5	7.7	13.6	+0.2	26.7	2	1.8	30	94	22	-6	21	4	..
Lismore, Racemans Hou	168	20.5	10.0	15.3	+1.5	28.1	8	3.9	30	69	16	..	17	4	..
Ashburton Aero AWS	88	19.7	9.4	14.6	+0.2	28.0	8	3.9	29	112	16	+66	39	28	..
Ohoka CWS	19.5	8.9	14.2	..	28.6	2	4.3	7	68	14	..	..	19	5	..
Rangiora EWS	23	20.4	9.5	15.0	+0.4	29.3	2	5.1	7	92	16	+54	21	4	182
Christchurch Aero	37	19.9	9.7	14.8	-0.1	30.1	2	4.7	29	126	18	+81	33	28	206
Christchurch Aero Bac	37	19.9	9.7	14.8	+0.1	30.2	2	4.7	29	111	18	..	29	28	..
Christchurch Gardens	7	20.8	10.4	15.6	+0.1	30.0	2	3.9	29	127	16	+79	44	21	..
Christchurch, Kyle St	6	20.6	10.8	15.7	+0.2	..	..	3.8	29	105	13	+61	34	21	..
Christchurch Botanic	17	20.5	10.4	15.5	..	29.9	2	3.9	29	..	..	..	..	..	..
Bromley EWS	3	19.4	12.1	15.8	..	28.1	17	5.1	29	107	12	..	44	21	222
Lincoln, Broadfield E	18	20.0	10.4	15.2	+0.2	29.4	2	4.4	29	104	16	+60	30	28	196
Sugar Loaf AWS	496	16.7	9.5	13.1	-0.3	26.8	2	1.2	29	..	..	..	..	..	..
Diamond Harbour EWS	122	19.2	11.5	15.4	+0.5	28.5	2	4.8	29	113	16	..	37	21	219
Akaroa EWS	45	20.5	11.2	15.9	+0.0	30.5	2	5.7	29	121	17	+53	34	21	183
Le Bons Bay AWS	238	17.1	11.4	14.3	+0.2	25.9	2	3.5	29	96	16	+55	33	21	..
Lake Tekapo, Air Safa	762	17.8	5.3	11.6	-0.8	26.5	2	0.3	29	89	14	+48	35	20	..
Lake Tekapo EWS	762	18.6	5.4	12.0	-0.7	27.6	2	-2.4	30	84	15	+55	33	20	220
Fairlie AWS	403	18.0	7.7	12.9	-0.3	26.5	8	0.1	30	96	17	..	21	20	..

Summary of the records of Temperature, Rainfall and Sunshine March 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		
Pukaki Aerodrome AWS	461	20.2	5.1	12.7	-0.8	29.2	2	-3.4	30	112	14	+62	37	4	..
Orari Estate	81	19.4	8.7	14.1	-0.1	27.8	2	2.3	30	61	13	+6	23	5	..
Orari Estate EWS	81	19.8	8.7	14.3	+0.4	27.6	2	2.5	30	60	14	..	23	5	..
Timaru Aero AWS	27	19.2	8.9	14.1	+0.2	26.7	2	3.5	31	58	13	+16	17	5	..
Timaru EWS	17	18.7	10.0	14.4	+0.6	24.5	2	5.4	31	50	14	+11	14	5	..
Otaio @ Springbank ro	14	18.3	10.0	14.2	..	23.4	17	5.7	31	57	19	..	10	12	..
Waimate CWS	39	19.2	9.5	14.4	+0.4	26.5	2	4.9	23	41	16	+6	10	12	..
Oamaru Airport AWS	30	18.1	9.5	13.8	+0.3	25.0	8	4.9	29	82	20	+42	17	4	..
Albert Burn	1280	11.5	3.0	7.3	-1.5	16.3	2	-3.5	30	379	19	+209	78	20	..
Mt Larkins EWS	1900	6.0	-0.1	3.0	-1.6	10.6	19	-8.5	29	142	23	..	29	20	..
Eglinton, Knobs Flat	365	17.3	5.6	11.5	-0.6	23.5	8	-2.5	30	234	19	+91	63	20	..
Tara Hills AWS	485	19.3	5.7	12.5	-1.0	..	..	-3.8	30	97	16	+61	38	20	..
Wanaka CWS	331	19.3	7.7	13.5	..	25.7	2	-0.9	30	105	10	..	36	20	..
Wanaka Aero AWS	352	19.9	8.0	14.0	-0.4	27.1	2	0.3	30	99	10	+53	33	20	..
Windsor EWS	81	19.8	8.2	14.0	+0.4	27.9	8	2.1	31	51	19	+25	13	17	..
Ranfurly EWS	450	18.8	5.6	12.2	-0.3	27.1	2	-2.8	30	58	14	+23	13	20	..
Oamaru AWS	40	18.9	9.6	14.3	+0.5	27.6	8	4.6	29	83	19	+40	13	17	..
Palmerston	21	19.4	7.8	13.6	+0.4	26.9	8	4.0	18	75	15	+33	14	20	139
Middlemarch EWS	213	20.3	6.1	13.2	-0.1	29.4	2	0.1	30	40	14	-23	12	20	163
Swampy Summit AWS	716	13.9	6.6	10.3	+0.2	22.0	3	0.0	28	..	..	..	..	..	..
Dunedin Aero AWS	2	20.0	8.0	14.0	+0.7	27.4	19	1.5	6	94	20	+46	24	20	..
Dunedin, Musselburgh	4	18.9	10.7	14.8	+0.9	25.4	8	5.4	28	106	16	+52	22	4	..
Oamaru EWS	20	18.2	9.6	13.9	+0.9	25.3	8	4.8	14	69	18	..	11	17	191
Murchison Mtns EWS	1140	10.2	3.8	7.0	-1.0	15.4	8	-2.8	29	292	22	+72	60	20	..
Te Anau At Park HQ Cw	204	17.8	8.0	12.9	..	25.0	8	-0.9	30	..	..	..	..	..	..
Manapouri, West Arm J	178	16.5	8.0	12.3	+0.0	23.1	8	0.5	31	306	21	+75	63	20	..
Manapouri Aero AWS	209	18.3	5.7	12.0	-0.3	..	..	..	..	..	..	..	..	..	..
Birchwood WXT AWS	149	18.0	7.7	12.9	+0.3	26.1	8	0.5	30	146	15	..	49	20	..
Queenstown Aero AWS	357	18.7	7.1	12.9	-0.3	..	..	-0.6	29	..	..	..	..	..	..
Five Rivers CWS	260	18.5	7.1	12.8	+0.6	27.2	8	-3.0	30	179	17	..	52	20	..
Lumsden AWS	194	18.7	6.8	12.8	+0.2	27.9	8	-2.0	30	170	18	+96	63	20	..
Waipounamu CWS	152	19.3	6.5	12.9	+0.4	28.2	8	-1.3	30	107	22	..	23	12	..
Cromwell EWS	213	21.7	6.8	14.3	-0.6	30.4	2	-1.8	30	43	8	+12	17	20	223
Lauder EWS	375	19.6	6.3	13.0	-0.4	27.4	2	-1.6	30	65	13	+29	17	4	..
Ophir 2	305	20.1	4.9	12.5	-0.4	27.3	2	-3.4	30	77	12	+44	23	4	..
Alexandra	150	22.0	7.6	14.8	-0.2	30.3	2	-1.9	30	35	11	+4	9	20	174
Clyde 2 EWS	170	21.8	6.3	14.1	-0.2	30.0	2	-2.1	30	37	12	+6	11	20	..
Alexandra AWS	231	20.8	6.9	13.9	+0.0	29.2	2	-1.9	30	41	14	..	14	4	..
Alexandra EWS	132	21.6	7.3	14.5	..	29.9	2	-1.3	30	29	11	..	8	4	223
Roxburgh WXT AWS	160	19.6	8.3	14.0	-0.1	28.1	2	1.1	29	80	13	..	42	20	..
Tapanui EWS	180	19.4	6.8	13.1	..	28.6	8	0.5	30	85	17	..	26	20	..
Gore AWS	123	18.9	8.4	13.7	+1.0	28.1	8	0.8	29	137	22	+64	55	20	..
Gore EWS	60	19.4	7.7	13.6	..	28.6	8	-0.6	29	..	..	..	..	..	173
Invercargill Aero	1	18.7	8.5	13.6	+0.9	26.6	8	2.1	6	125	17	+37	39	20	169
Invercargill Aero AWS	3	18.8	8.2	13.5	+0.8	26.6	8	2.1	31	150	17	+58	50	20	..
Invercargill Aero 2 E		18.8	7.9	13.4	+0.9	26.7	8	1.7	6	125	17	+49	48	20	..
Tiwai Point EWS	5	18.1	10.3	14.2	+1.0	24.7	8	3.3	30	144	21	+54	71	20	..
Stewart Island EWS	3	17.7	9.9	13.8	..	24.4	2	4.1	28	168	22	..	47	20	..
Balclutha, Telford Ew	11	19.3	7.7	13.5	+1.0	26.6	3	2.1	6	80	15	+40	40	20	141
Balclutha, Finegand E	6	19.6	8.0	13.8	..	26.8	3	2.0	6	73	14	..	35	20	..
Nugget Point AWS	131	17.5	10.3	13.9	+1.1	25.5	3	4.0	28	82	17	+27	26	20	..
Tautuku EWS	25	18.4	9.4	13.9	..	25.1	3	4.9	28	118	19	..	35	20	..
South West Cape AWS	103	16.0	10.8	13.4	+1.1	22.1	7	4.4	28	156	25	+43	38	19	..
Kiribati,Cassidy Chri	3	30.9	25.1	28.0	..	..	..	..	..	..	..	..	..	..	..
Solomon, Munda	6	..	24.1	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	32.0	24.3	28.2	..	..	..	..	..	..	..	..	..	..	..
Solomon, Henderson	9	31.7	23.7	27.7	..	..	..	..	..	..	..	..	..	..	..
Solomon, Santa Cruz	24	..	24.1	..	..	..	..	..	..	..	..	..	..	..	..
New Cal, Koumac	18	30.3	22.7	26.5	..	32.7	9	20.4	24	..	..	..	..	..	..
New Cal, Oulop	7	30.1	24.9	27.5	..	..	..	21.7	27	..	..	..	..	..	..
New Cal, Ouanaham	29	29.4	23.9	26.7	..	..	..	20.9	28	..	..	..	..	..	..
New Cal, Nouma	72	30.3	23.4	26.9	..	32.8	15	22.1	23	..	..	..	..	..	..
Kiribati,Tarawa	2	..	26.2	..	..	..	..	..	..	..	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine March 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	mm	mm	mm	Hrs				
Kiribati, Bonriki Int	4	31.3	26.3	28.8	..	..	..	..	..	..	..	..	..	..
Kiribati,Beru	2	..	25.7	..	..	..	..	..	..	..	..	..	..	..
Kiribati,Arorae	7	32.0	26.5	29.3	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nanumea Is	2	..	26.5	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	..	26.1	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	..	26.4	..	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	..	25.6	..	..	..	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	31.4	23.5	27.5	..	..	..	..	..	..	..	..	..	..
Fiji,Nausori Aero	6	31.6	23.6	27.6	..	..	..	..	..	..	..	..	..	..
Wallis Island, Hihifo	27	31.1	24.9	28.0	..	..	..	22.7	16	..	..	..	..	..
Maopoopo, Futuna Isla	36	32.1	25.6	28.9	..	..	..	23.6	28	72	24	..	13	5	
Samoa,Faleolo	4	31.9	23.9	27.9	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	30.2	23.8	27.0	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	31.0	25.4	28.2	..	..	..	..	..	..	..	..	..	..
Tonga, Queen Lavinia	60	30.0	24.3	27.2	..	..	..	..	..	..	..	..	..	..
Tonga,Keppel	2	30.1	23.2	26.7	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	30.0	23.7	26.9	..	..	..	..	..	..	..	..	..	..
Salote Pilelevu Airpo	2	30.0	24.5	27.3	..	..	..	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	29.8	23.6	26.7	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	30.4	23.4	26.9	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	32.7	25.3	29.0	..	..	..	22.4	17	..	..	..	..	..
Tahiti - Faaa	1	30.8	25.5	28.2	..	..	..	23.9	5	..	..	..	..	..
Tuamotu, Takaroa	2	31.5	26.0	28.8	..	..	..	23.5	13	..	..	..	..	..
Tuamotu, Hao	3	30.2	26.2	28.2	..	..	..	23.5	13	..	..	..	..	..
Gambier, Rikitea	91	28.7	24.2	26.5	..	..	..	21.7	5	..	..	..	..	..
Rapa	1	26.6	22.7	24.7	..	..	..	..	..	..	..	..	..	..
Raoul Island AWS	50	25.3	19.2	22.3	-0.4	26.9	31	16.4	8	41	9	-114	20	5	234
Enderby Is AWS	39	12.9	8.7	10.8	..	15.9	8	2.9	28	126	25	..	26	16	..
Campbell Island AWS	16	11.6	7.5	9.6	+0.8	15.3	8	2.2	28	138	29	+14	36	1	..
Chatham Island Aero A	12	19.8	13.3	16.6	+1.6	..	..	..	..	..	..	..	..	..	..
Georg Von Neumayer	40	-8.9	-16.9	-12.9	..	-1.8	22	-25.4	26	..	..	..	..	..	..
Ant South Pole	2827	-48.9	-54.0	-51.5	..	-33.1	25	-64.4	23	..	..	..	..	..	..
Halley Bay	30	-11.0	-18.9	-15.0	..	-4.8	14	-26.8	12	..	..	..	..	..	..
Gen Belgrano 2	256	-7.7	-13.8	-10.8	..	-1.7	12	-22.2	23	..	..	..	..	..	..
Bellingshausen	16	2.7	0.2	1.5	..	..	..	..	..	..	..	..	..	..	..
Base Jubany	4	3.5	0.6	2.1	..	7.2	10	-4.8	30	..	..	..	..	..	..
V C Marambio	198	0.1	-4.5	-2.2	..	4.3	18	-11.6	30	..	..	..	..	..	..
Eduardo Frei	10	1.7	-0.5	0.6	..	..	..	..	..	..	..	..	..	..	..
Arturo Prat	..	2.3	0.7	1.5	..	..	..	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	1.5	-1.2	0.2	..	..	..	..	..	..	..	..	..	..	..
Palmer Station	8	2.4	-0.6	0.9	..	..	..	..	..	..	..	..	..	..	..
Rothera Point	16	0.8	-1.7	-0.5	..	3.2	3	-4.9	30	..	..	..	..	..	..
Argentine Is, Faraday	11	2.1	-1.3	0.4	..	6.1	24	-5.0	30	..	..	..	..	..	..
Gen San Martin	4	1.8	-2.8	-0.5	..	..	..	..	..	..	..	..	..	..	..
Novolax Arevskaja	99	-4.2	-8.6	-6.4	..	..	..	..	..	..	..	..	..	..	..
Maitri	..	-3.2	-9.0	-6.1	..	..	..	..	..	..	..	..	..	..	..
Syowa	21	-3.4	-9.4	-6.4	..	0.8	10	-23.6	28	..	..	..	..	..	..
Mawson	16	-6.6	-13.5	-10.1	..	..	..	..	..	..	..	..	..	..	..
Davis	13	-5.6	-10.7	-8.2	..	..	..	..	..	..	..	..	..	..	..
Progress	64	-6.8	-9.7	-8.3	..	..	..	..	..	..	..	..	..	..	..
Mirnyj	30	-7.4	-12.8	-10.1	..	..	..	..	..	..	..	..	..	..	..
Vostok	3420	-54.3	-62.3	-58.3	..	..	..	..	..	..	..	..	..	..	..
Casey	41	-3.8	-9.5	-6.7	..	..	..	..	..	..	..	..	..	..	..
Durmout Durville	43	-4.7	-10.2	-7.5	..	0.3	3	-17.1	27	..	..	..	..	..	..
Mcmurdo	24	-14.5	-21.5	-18.0	..	-6.9	4	-27.5	21	..	..	..	..	..	..
Arrival Heights EWS	218	-15.8	-24.0	-19.9	..	-8.0	4	-32.6	28	..	..	..	..	..	..
Scott Base 2 EWS	43	-16.1	-25.2	-20.7	..	-7.1	9	-34.2	25	..	..	..	..	..	..
Darwin Airport	31	32.5	19.4	26.0	..	..	..	..	..	..	..	..	..	..	..

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 February 2023															
Kaitaia Aero EWS	80	23.9	15.6	19.8	-0.5	26.8	20	12.0	26	70	13	-27	18	13	..
Taihape Rec	433	22.0	12.2	17.1	+0.2	28.5	5	..	..	116	18	+62	22	3	..
Gore EWS	60	23.4	9.7	16.6	..	34.1	4	1.1	24	..	..	..	..	..	208
New Cal, Koumac	18	30.4	22.2	26.3	..	32.6	4	20.0	14	85	14	..	57	6	..
Hiva Hoa, Atuona	51	31.8	23.9	27.9	..	33.8	20	22.1	11	..	..	..	..	..	..
Tuamotu, Takaroa	2	31.2	25.3	28.3	..	32.0	16	21.3	21	35	13	..	9	21	..
Late returns and corrections for January 2023															
Kaitaia Aero EWS	80	24.0	16.9	20.5	+1.0	26.2	8	12.9	17	288	17	+212	63	29	..
Arapito EWS	3	24.4	14.3	19.4	+3.1	29.4	28	9.8	23	45	11	-132	22	5	230
Late returns and corrections for December 2022															
Kaitaia Aero EWS	80	23.5	14.8	19.2	+1.2	26.9	30	9.8	5	43	11	-55	11	6	..
Arapito EWS	3	22.5	12.5	17.5	+2.3	26.4	29	7.9	1	52	15	-159	14	18	..
Late returns and corrections for November 2022															
Kaitaia Aero EWS	80	21.4	13.7	17.6	+1.7	23.5	19	10.2	6	153	19	+86	36	22	..
Late returns and corrections for October 2022															
Kaitaia Aero EWS	80	19.0	11.7	15.4	+0.8	22.4	29	7.2	24	81	15	-3	18	17	..

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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