



Climate Database Statistics Report

December 2022

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 2022

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	21.6	16.0	18.8	+1.4	..	..	..	..	..	..	..	..	..
Kaitaia Aero EWS	80	23.5	14.8	19.2	+1.4	26.9	30	9.8	5	43	11	-56	11	6	
Kaitaia Aero AWS	77	23.5	14.6	19.1	..	27.0	26	10.0	4	57	13	..	14	6	
Kaitaia EWS	85	23.1	15.2	19.2	+1.4	26.1	26	10.4	5	83	13	-31	27	26	
Kerikeri EWS	79	23.5	14.2	18.9	+1.1	27.1	23	8.7	5	100	13	-7	36	7	
Kerikeri Aerodrome Aw	149	23.2	14.0	18.6	+1.0	27.8	30	10.1	5	109	15	-14	29	7	
Kaikohe AWS	204	22.5	14.0	18.3	+1.1	26.1	15	10.1	5	85	21	-24	23	7	
Trounson CWS	244	22.4	13.4	17.9	..	27.1	28	7.7	5	78	9	-39	31	11	
Dargaville 2 EWS	66	22.8	14.7	18.8	+1.1	26.6	28	11.7	5	94	10	+6	28	11	
Purerua AWS	87	22.0	15.2	18.6	..	25.6	30	10.9	1	81	18	..	28	7	
Russell CWS	15	23.0	13.8	18.4	..	26.4	30	8.9	5	74	14	..	21	8	
Whangarei Aero AWS	38	23.5	15.5	19.5	+1.0	..	..	11.3	5	..	..	..	..	..
Whangarei EWS	12	23.9	14.3	19.1	..	27.4	22	9.3	5	170	17	..	30	7	
Mokohinau AWS	70	20.9	17.1	19.0	+0.7	..	..	..	..	..	..	..	..	..
Leigh 2 EWS	27	24.3	15.6	20.0	+1.9	28.6	30	10.9	3	85	13	+9	25	14	
Warkworth EWS	72	22.4	13.4	17.9	+0.8	25.7	30	8.5	5	132	17	+19	30	14	
Whangaparaoa AWS	100	23.1	15.6	19.4	+1.5	26.4	30	11.9	1	96	16	+20	27	14	
Tiri Tiri Lighthouse	76	21.3	14.5	17.9	+0.1	24.1	24	10.5	3	59	17	-15	17	14	
Auckland, Whenuapai A	26	23.1	14.3	18.7	+1.3	26.3	28	8.9	4	95	14	..	25	10	
Auckland, North Shore	64	23.3	14.9	19.1	..	26.6	27	10.0	3	106	13	..	27	14	
Auckland, Henderson N	7	25.0	14.5	19.8	+1.6	28.9	28	9.3	4	..	..	..	..	..
Auckland, Motat EWS	16	23.6	15.6	19.6	..	26.4	22	9.8	6	89	14	..	34	10	
Waiheke Island, Awaro	34	23.7	14.4	19.1	..	26.8	28	8.0	6	99	12	-5	39	14	
Manukau Heads EWS	240	20.3	15.0	17.7	..	23.8	28	11.8	1	57	13	..	17	14	
Whitianga Aero AWS	5	22.8	14.8	18.8	+1.1	28.1	30	9.3	6	210	19	+81	78	14	
Whitianga EWS	1	23.3	14.6	19.0	..	28.6	30	9.0	6	216	16	..	84	14	
Thames EWS	3	24.1	15.1	19.6	..	27.5	30	9.4	3	45	13	..	15	14	
Paeroa AWS	19	24.2	14.4	19.3	+1.3	27.9	30	9.4	3	93	18	-1	32	14	
Matamata, Hinuera EWS	85	23.7	14.0	18.9	+2.3	..	..	..	..	..	..	..	..	..
Tauranga CWS	3	22.1	15.5	18.8	..	30.0	30	10.6	4	150	15	..	60	14	
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	231
Tauranga Aero AWS	5	22.8	15.7	19.3	+1.3	29.9	30	10.3	4	137	15	+42	55	14	
Te Puke EWS	123	23.0	14.5	18.8	+1.8	30.8	30	8.7	1	227	16	+88	84	14	
Whakatane Aero AWS	8	22.2	14.8	18.5	+1.0	27.3	30	9.3	2	193	17	+98	60	20	
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	226
Whakatane EWS	1	23.0	15.2	19.1	..	28.3	30	10.4	1	133	17	..	43	20	
Mamaku Radar WXT AWS	817	18.5	12.0	15.3	..	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	24.9	13.7	19.3	..	32.4	30	8.4	1	..	..	..	..	..
Rotorua EWS	288	22.3	12.8	17.6	..	29.6	30	7.9	4	152	15	..	66	20	
Rotorua Aero AWS	286	22.2	12.8	17.5	+1.3	28.6	30	6.6	4	192	17	+74	41	20	
Galatea AWS	175	22.5	13.5	18.0	..	29.1	30	7.4	4	..	..	..	..	..
Taupo CWS	360	23.2	12.2	17.7	..	29.6	30	5.5	4	131	15	..	26	20	
Tarapounamu EWS	701	20.1	..	..	..	..	..	..	..	..	..	..	..	..
Taupo AWS	402	21.4	11.6	16.5	+1.0	26.5	30	3.4	4	153	14	+59	43	10	
Motu EWS	488	22.3	12.7	17.5	+3.2	27.8	5	5.4	4	152	23	-33	47	25	
Auckland, Mangere 2 E	16	23.3	16.1	19.7	..	26.2	28	10.7	6	97	14	..	21	11	
Auckland Aero	7	23.4	16.4	19.9	+1.6	26.7	28	11.1	6	107	16	+20	24	26	
Auckland Aero Backup	7	23.3	16.4	19.9	..	26.7	28	11.3	6	105	14	..	25	26	
Ardmore Aero AWS	41	23.6	14.6	19.1	..	27.0	28	..	..	..	..	..	..	..
Pukekohe EWS	88	22.5	13.5	18.0	+0.9	26.8	28	7.7	4	74	13	-24	19	14	
Firth Of Thames EWS	3	24.2	14.2	19.2	..	27.9	27	8.6	3	89	12	..	40	14	
Whatawhata 2 EWS	118	23.5	13.6	18.6	+1.8	28.4	28	..	..	..	..	..	..	..
Hamilton, Ruakura 2 E	45	24.1	14.2	19.2	+2.2	27.7	27	7.8	4	115	14	+17	25	20	
Hamilton AWS	53	23.7	13.6	18.7	+1.8	27.2	27	6.8	4	104	17	-1	22	17	
Lake Karapiro CWS	55	24.1	15.5	19.8	..	28.5	27	10.3	4	122	15	..	41	10	
Port Taharoa AWS	18	22.0	16.0	19.0	+1.3	24.9	28	10.5	3	84	12	..	24	17	
Awakino EWS	400	19.8	12.3	16.1	..	24.8	21	7.4	3	135	15	..	31	17	
Waikeria EWS	37	24.4	13.2	18.8	..	28.4	30	5.9	4	112	11	..	32	17	
Te Kuiti EWS	61	24.7	12.4	18.6	+1.7	29.6	27	5.8	4	117	11	-23	25	11	
Pureora Forest CWS	549	20.3	10.2	15.3	..	25.2	30	2.8	4	132	27	..	45	17	
Taumarunui EWS	170	23.8	12.3	18.1	..	28.9	30	4.6	4	145	14	..	39	17	
Taumarunui AWS	186	23.9	12.4	18.2	..	29.1	30	4.0	4	187	16	..	57	17	
Turangi 2 EWS	360	22.4	10.4	16.4	+0.8	29.8	30	219	15	+82	38	10	

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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		
New Plymouth AWS	28	21.9	13.8	17.9	+1.7	26.0	28	5.7	4	130	17	+9	47	17	296
Lower Retaruke CWS	233	23.1	12.1	17.6	..	28.1	30	4.5	4	126	19	-23	44	17	..
Mt Ruapehu, Chateau E	1097	17.8	6.5	12.2	+1.6	..	..	..	..	..	..	..	..	..	..
Pahiatua EWS	110	21.6	12.1	16.9	..	27.9	16	5.1	4	85	14	..	23	17	..
Masterton Aero AWS	105	21.7	11.2	16.5	..	28.2	16	5.0	4	121	15	..	50	20	..
Masterton EWS	90	23.0	11.1	17.1	..	29.3	29	4.6	4	..	..	..	..	..	209
Masterton, Te Ore Ore	110	22.8	11.9	17.4	..	30.5	29	5.4	4	86	14	+18	35	20	..
Takapau Plains AWS	346	20.3	11.5	15.9	+0.5	26.5	16	4.4	4	138	18	..	26	20	..
Dannevirke EWS	207	21.1	12.5	16.8	..	27.0	16	5.7	4	91	15	..	34	10	176
Cape Turnagain AWS	285	16.8	12.9	14.9	..	22.4	29	8.9	3	..	..	..	..	..	..
Akitio EWS	245	18.9	12.6	15.8	..	24.5	29	7.2	4	86	14	..	23	17	195
Castlepoint AWS	120	19.7	13.9	16.8	+0.4	25.9	29	9.3	4	116	16	+60	29	17	..
Baring Head	79	18.9	13.6	16.3	..	24.6	13	9.8	4	67	9	..	27	9	..
Te Wharau, Brackenfie	292	19.4	10.4	14.9	..	26.8	16	..	..	168	..	..	..	..	..
Martinborough EWS	20	22.3	12.4	17.4	+1.0	28.2	13	5.1	4	109	12	..	42	20	167
Ngawi AWS	8	21.5	14.8	18.2	+0.9	28.2	29	10.3	8	156	15	..	91	20	..
Hicks Bay AWS	46	20.4	15.4	17.9	+0.7	24.5	30	10.9	4	96	17	-3	40	12	..
Gisborne AWS	5	22.7	14.4	18.6	+0.5	27.7	23	8.1	4	78	19	+21	15	14	156
Gisborne EWS	12	23.8	14.3	19.1	..	..	..	..	..	..	..	..	..	..	..
Tolaga Bay WXT AWS	15	21.0	14.9	18.0	..	..	..	..	..	..	..	..	..	..	..
Tutira CWS	235	20.9	12.4	16.7	..	26.5	16	5.2	4	105	20	..	18	20	..
Napier Aero AWS	3	21.6	13.7	17.7	+0.0	27.5	30	5.7	4	118	18	+59	24	24	..
Napier EWS	7	22.5	14.9	18.7	..	28.0	30	7.2	4	67	13	..	14	24	212
Maraekakaho CWS	150	21.7	12.6	17.2	..	26.9	30	4.8	4	169	15	..	45	20	..
Hastings AWS	16	22.4	13.3	17.9	..	..	..	..	..	105	17	..	25	20	..
Whakatu EWS	5	22.8	12.5	17.7	+1.0	28.4	30	3.7	4	45	13	..	9	14	..
Waipawa EWS	130	22.2	12.0	17.1	..	27.3	16	4.5	4	88	13	..	30	17	147
Wairoa, North Clyde E	15	24.2	14.0	19.1	+1.0	30.0	16	8.5	4	74	15	+5	17	20	..
Wairoa Aero AWS	13	22.5	13.5	18.0	..	28.6	16	7.7	4	81	16	..	13	20	..
Mahia Radar WXT AWS	419	18.0	12.8	15.4	..	..	..	..	..	..	..	..	..	..	..
Mahia AWS	136	19.4	14.3	16.9	+0.0	23.8	17	10.3	4	57	18	-12	17	20	..
Cape Kidnappers WXT A	113	19.0	15.4	17.2	..	22.3	30	11.2	4	..	..	..	..	..	..
Paraparaumu Aero	5	21.6	13.5	17.6	+1.6	25.7	27	5.7	8	76	11	-16	32	17	252
Paraparaumu Aero AWS	8	21.6	13.8	17.7	+1.7	25.6	27	6.2	8	81	13	-4	34	17	..
Paraparaumu EWS	5	21.8	13.9	17.9	..	25.9	27	6.3	8	68	9	-10	30	17	261
Ohakea AWS	47	22.0	13.3	17.7	..	26.7	13	6.3	8	78	11	..	27	17	..
Palmerston North AWS	39	22.1	13.2	17.7	+1.3	27.5	16	8.6	4	81	12	-15	27	17	..
Palmerston North EWS	21	22.4	13.5	18.0	+1.6	27.7	16	7.1	4	89	10	-1	43	23	..
Levin AWS	15	22.6	13.3	18.0	+1.9	27.1	13	7.5	4	82	16	-20	38	17	..
Levin EWS	23	21.0	11.4	16.2	..	25.4	13	5.7	4	69	9	..	34	17	251
Mana Island AWS	110	19.2	13.8	16.5	..	23.2	28	9.8	4	96	14	..	44	9	..
Porirua, Elsdon Park	7	21.1	14.1	17.6	..	26.5	26	8.2	4	104	11	..	49	9	..
Wellington, Kelburn A	125	19.9	13.5	16.7	+1.3	25.9	13	9.4	4	100	12	+17	42	9	218
Wellington Aero	4	20.2	14.7	17.5	+1.0	24.8	13	10.9	8	82	12	+17	36	9	..
Wellington, Greta Poi	3	21.7	14.8	18.3	..	27.5	14	10.6	8	69	11	..	30	9	..
Wellington Aero Backu	4	20.2	14.7	17.5	..	..	..	10.9	8	75	12	..	33	9	..
Upper Hutt, Trentham	50	21.7	13.0	17.4	..	27.1	13	5.8	8	77	12	..	32	17	227
Stratford EWS	280	21.1	11.4	16.3	+1.9	26.0	13	5.3	4	161	17	-4	42	17	217
Hawera AWS	100	20.2	13.0	16.6	+1.3	24.7	16	..	..	118	17	+26	41	17	..
Ohakune EWS	607	20.5	9.1	14.8	+0.8	25.6	29	2.4	4	130	12	+8	43	18	..
Waiouru Airstrip AWS	820	18.8	8.0	13.4	..	24.2	16	0.0	4	118	17	..	24	20	..
Waiouru EWS	803	19.5	8.4	14.0	..	25.1	16	1.0	4	82	18	..	18	17	..
Taihape Rec	433	22.3	7.4	14.9	-0.4	29.0	16	0.0	4	122	13	+36	27	18	..
Flat Hills WXT AWS	262	21.0	12.2	16.6	..	26.4	16	6.8	8	139	16	+43	40	10	..
Whanganui, Spriggens	15	22.4	13.9	18.2	+1.3	25.8	28	8.8	4	90	13	+4	31	17	..
Whanganui AWS	14	21.7	13.9	17.8	+1.2	25.1	28	8.9	8	106	13	+14	32	17	..
Wanganui 2 AWS	18	24.1	13.8	19.0	..	28.0	15	..	..	..	..	..	..	..	..
Takaka EWS	20	22.4	11.8	17.1	+1.1	30.2	29	8.1	2	97	14	-71	30	9	253
Farewell Spit AWS	3	23.1	14.5	18.8	+2.5	27.8	30	10.3	4	109	14	+20	35	9	..
Westport Aero AWS	5	20.5	13.3	16.9	+1.9	24.7	29	7.1	3	72	17	-118	20	15	..
Westport EWS	6	20.9	15.1	18.0	..	23.7	29	6.6	3	84	15	..	23	15	284
Arapito EWS	3	22.5	12.5	17.5	..	26.4	29	7.9	1	52	15	..	14	18	..
Hokitika Aero	39	20.9	12.4	16.7	+2.3	25.1	21	7.4	3	111	13	-186	53	11	258

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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		
Hokitika AWS	40	20.8	12.3	16.6	+2.2	25.2	21	7.4	3	115	14	-186	53	11	305
Hokitika EWS	39	20.8	12.1	16.5	..	25.1	21	7.2	3	104	13	..	49	11	..
Reefton EWS	198	23.5	11.3	17.4	+2.0	29.2	27	5.3	3	92	11	-97	28	18	241
Greymouth Aero EWS	5	21.1	12.9	17.0	..	25.6	21	7.3	3	93	12	..	27	11	263
Pigeon Creek CWS	105	21.6	11.5	16.6	..	25.8	26	7.1	2	129	12	..	41	11	..
Mt Philistine EWS	1655	10.1	3.4	6.8	..	17.0	26	-2.6	2	204	17	..	55	9	..
Mahanga EWS	1995	8.7	2.8	5.8	..	15.0	26	-2.9	2	80	17	..	16	9	..
Ivory Glacier CWS	1390	11.3	5.4	8.4	..	17.4	26	0.0	2	408	18	..	201	9	..
Okarito EWS	1	20.4	11.5	16.0	..	23.4	31	6.8	2	124	13	..	25	11	..
Franz Josef EWS	80	21.4	10.5	16.0	+2.2	26.9	26	6.5	3	198	18	..	49	9	198
Lake Moeraki EWS	10	20.0	10.8	15.4	..	23.5	26	4.6	3	193	14	..	36	8	..
Haast AWS	1	19.2	11.3	15.3	+1.9	21.9	22	4.3	2	165	17	..	28	9	..
Milford Sound AWS	3	19.6	11.6	15.6	+1.8	24.8	27	6.1	2	234	18	..	51	29	..
Milford Sound EWS	3	19.8	11.5	15.7	..	25.7	27	6.4	2	..	..	..	..	..	..
Secretary Island AWS	19	19.9	12.5	16.2	+2.9	25.7	27	6.7	3	..	..	..	..	..	..
Stephens Island AWS	188	18.8	13.3	16.1	..	22.2	14	10.4	3	89	17	..	29	9	..
Motueka, Riwaka EWS	8	23.1	11.6	17.4	+1.1	..	..	..	..	101	16	-3	24	14	..
Pelorus Sd, Crail Bay	13	21.5	13.6	17.6	+1.2	27.4	..	..	..	92	15	-67	37	9	..
Nelson Aero	2	21.9	13.6	17.8	+1.5	..	..	..	..	..	..	..	..	..	..
Appleby 2 EWS	18	22.1	10.7	16.4	+0.4	26.7	30	5.8	8	37	12	..	14	14	265
Richmond EWS	1	21.3	12.0	16.7	..	26.5	30	7.4	4	36	12	..	11	14	288
Nelson AWS	6	21.4	13.8	17.6	+1.0	26.1	30	9.6	1	62	12	..	20	19	..
Blenheim Research EWS	4	21.4	11.8	16.6	-0.1	30.7	29	3.3	10	50	11	-5	14	9	234
Blenheim Aero AWS	36	21.5	11.1	16.3	-0.3	29.9	29	6.3	1	61	15	+3	13	9	..
Brothers Island AWS	68	18.2	14.3	16.3	+1.0	..	..	..	..	..	..	..	..	..	..
Grassmere Salt Works	2	20.5	14.9	17.7	+0.7	26.5	16	9.9	4	58	14	+15	16	19	..
Cape Campbell AWS	6	18.2	13.7	16.0	+0.6	20.9	16	9.7	3	60	18	+17	18	20	..
Boyle River Lodge	600	23.0	9.2	16.1	+2.3	30.0	..	5.4	3	38	..	-149	..	..	..
Hanmer Forest EWS	363	22.1	8.3	15.2	+0.8	31.7	29	2.6	2	55	14	-19	30	18	..
Kaikoura, Middle Cree	5	19.8	10.4	15.1	..	26.5	14	5.2	8	78	11	..	38	18	..
Kaikoura AWS	108	18.9	12.4	15.7	+0.3	27.3	16	8.4	3	114	15	+67	46	18	..
Arthurs Pass	745	18.4	8.6	13.5	+2.1	26.0	26	3.7	2	..	..	..	..	..	..
Arthurs Pass EWS	745	18.2	8.3	13.3	+1.8	26.0	26	3.5	2	131	12	-477	39	11	..
Arthurs Pass AWS	743	17.5	8.3	12.9	..	25.6	26	3.6	2	141	16	..	40	11	..
Culverden AWS	181	20.6	10.8	15.7	..	29.5	29	5.6	8	54	13	..	25	18	..
Medbury CWS	232	20.6	9.6	15.1	..	28.5	29	5.7	5	62	12	..	22	18	..
Balmoral East CWS	172	21.1	9.9	15.5	..	29.8	29	5.2	8	37	8	..	18	18	..
Waipara North Branch	497	19.2	8.1	13.7	..	26.8	29	1.6	31	81	11	..	26	19	..
Waiau School CWS	136	22.0	10.4	16.2	..	32.2	29	4.1	8	50	10	..	29	18	..
Cheviot EWS	75	20.7	10.5	15.6	..	31.9	29	6.6	4	63	11	..	22	18	221
Upper Rakaia EWS	1752	9.0	2.4	5.7	..	15.6	26	-2.7	2	119	23	..	30	9	..
Mt Potts EWS	2128	8.2	0.9	4.6	..	17.2	29	-5.2	2	..	..	..	..	..	..
Mt Cook EWS	730	19.1	8.6	13.9	+1.2	26.1	28	2.3	2	77	14	-420	37	9	175
Mueller Hut EWS	1818	9.9	3.4	6.7	..	17.4	28	-1.5	2	183	16	..	71	9	..
Mt Cook Aero AWS	656	19.6	8.6	14.1	..	27.2	28	1.4	2	48	11	..	19	9	..
Cass EWS	571	20.8	8.7	14.8	..	27.5	28	1.6	2	49	10	..	18	18	..
Methven CWS	313	19.9	10.0	15.0	..	29.7	29	6.5	31	115	16	..	28	19	..
Winchmore 2 EWS	164	20.2	10.5	15.4	..	31.2	29	6.8	31	56	14	..	17	18	196
Chertsey CWS	108	20.0	11.4	15.7	..	31.7	29	6.7	31	48	14	..	14	17	..
Mayfield at Ruapuna F	325	19.9	9.8	14.9	..	31.2	29	5.5	8	64	19	..	14	20	..
Peel Forest	286	19.5	9.4	14.5	+0.6	30.3	29	2.0	28	205	28	+84	36	18	..
Lismore, Racemans Hou	168	21.2	11.7	16.5	..	31.9	29	8.6	8	117	14	..	32	24	..
Ashburton Aero AWS	88	20.6	11.0	15.8	..	32.0	29	6.3	31	66	15	..	19	17	202
Waipara West EWS	130	21.2	10.5	15.9	..	31.1	29	6.5	22	65	9	..	25	18	195
Ohoka CWS		19.7	11.2	15.5	..	26.8	16	6.2	31	34	3	..	33	18	..
Rangiora EWS	23	20.6	11.7	16.2	+0.8	27.4	10	7.4	31	69	9	..	40	18	213
Christchurch Aero	37	20.5	11.8	16.2	+0.4	27.7	16	5.6	31	63	13	+16	21	19	223
Christchurch Aero Bac	37	20.7	11.8	16.3	..	28.1	29	5.8	31	54	10	..	18	19	..
Christchurch Botanic	17	21.4	12.5	17.0	..	28.7	29	6.7	31	40	9	..	22	18	..
Bromley EWS	3	19.8	13.0	16.4	..	26.8	10	7.4	31	41	10	..	19	18	240
Lincoln, Broadfield E	18	20.8	12.0	16.4	+1.0	30.1	29	5.5	31	41	10	-12	10	18	233
Sugar Loaf AWS	496	17.5	9.7	13.6	..	26.8	29	4.7	3	..	..	..	..	..	..
Diamond Harbour EWS	122	20.0	11.9	16.0	..	27.9	29	7.3	31	32	11	..	12	17	261

Summary of the records of Temperature, Rainfall and Sunshine December 2022

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		
Akaroa EWS	45	21.3	12.0	16.7	+0.7	31.0	29	7.5	31	16	10	-47	6	1	238
Le Bons Bay AWS	238	17.5	11.2	14.4	+0.7	24.4	29	7.0	3	22	15	..	6	1	..
Lake Tekapo, Air Safa	762	19.6	7.3	13.5	+0.3	27.5	29	3.1	30	30	..	-22	15	19	..
Lake Tekapo EWS	762	20.3	7.3	13.8	+0.7	28.3	29	1.9	31	28	7	..	16	19	242
Fairlie AWS	403	18.2	9.8	14.0	..	29.6	29	6.0	3	67	18	..	17	19	..
Pukaki Aerodrome AWS	461	21.8	8.3	15.1	..	29.5	28	4.2	1	70	9	..	48	19	..
Orari Estate	81	20.5	10.6	15.6	+0.8	30.9	29	6.4	22	..	..	..	..	..	..
Orari Estate EWS	81	20.6	10.6	15.6	..	31.0	29	5.9	22	69	14	..	20	18	..
Timaru Aero AWS	27	19.4	10.8	15.1	+0.7	..	..	..	..	88	18	+36	19	17	..
Timaru EWS	17	18.8	11.5	15.2	+0.5	24.7	29	7.8	3	79	13	+21	35	1	..
Otaio @ Springbank ro	14	18.1	11.5	14.8	..	26.3	29	8.6	3	61	14	..	17	18	..
Waimate CWS	39	19.2	11.5	15.4	..	28.5	29	7.7	1	66	14	..	25	1	..
Oamaru Airport AWS	30	18.1	10.7	14.4	+0.5	29.4	29	4.5	3	42	16	-14	13	18	..
Albert Burn	1280	13.4	5.3	9.4	..	19.6	28	-0.7	3	159	16	..	38	9	..
Mt Larkins EWS	1900	8.1	2.3	5.2	..	16.2	28	-3.9	2	158	25	..	25	18	..
Eglinton, Knobs Flat	365	19.9	8.9	14.4	..	27.0	28	0.5	3	76	16	..	18	29	..
Tara Hills AWS	485	21.7	8.2	15.0	+0.6	28.2	28	1.3	3	50	9	-12	31	19	..
Wanaka CWS	331	21.9	10.4	16.2	..	28.4	28	4.2	1	39	15	..	15	19	..
Wanaka Aero AWS	352	22.9	10.6	16.8	+1.5	29.5	28	4.6	3	48	11	-18	15	19	..
Windsor EWS	81	19.8	10.0	14.9	+0.7	30.4	29	3.5	3	22	15	-50	7	18	..
Ranfurlly EWS	450	20.5	7.5	14.0	+0.6	30.0	28	1.5	1	42	12	-20	8	16	..
Oamaru AWS	40	18.0	10.6	14.3	+0.4	25.1	29	4.6	3	25	15	..	6	18	..
Palmerston	21	18.8	10.5	14.7	+1.0	26.2	14	3.3	3	30	13	-33	9	10	136
Middlemarch EWS	213	21.1	7.8	14.5	+0.3	30.0	28	2.8	3	45	16	..	10	17	173
Swampy Summit AWS	716	13.8	7.0	10.4	..	26.0	29	1.0	3	..	..	..	..	..	..
Dunedin Aero AWS	2	19.8	9.1	14.5	+0.6	30.8	29	3.8	3	56	17	-16	15	10	..
Dunedin, Musselburgh	4	17.9	11.4	14.7	+0.9	25.6	29	6.9	3	30	15	-50	10	10	188
Oamaru EWS	20	19.5	10.4	15.0	..	25.8	29	3.2	1	25	11	..	7	18	179
Murchison Mtns EWS	1140	12.3	5.1	8.7	..	19.5	28	-1.4	3	195	21	..	38	17	..
Te Anau At Park HQ Cw	204	19.6	10.2	14.9	..	28.4	28	2.5	3	..	..	..	..	..	..
Manapouri, West Arm J	178	19.4	9.9	14.7	+2.0	27.9	28	2.2	3	172	16	..	31	29	..
Manapouri Aero AWS	209	20.1	8.4	14.3	+1.3	28.5	28	0.0	3	63	14	-42	19	29	..
Birchwood WXT AWS	149	18.5	9.8	14.2	..	26.8	28	4.1	1	66	16	..	13	10	..
Queenstown EWS	322	22.1	10.8	16.5	..	30.0	28	4.5	1	25	7	..	7	17	..
Queenstown Aero AWS	357	20.9	9.6	15.3	+1.2	29.1	28	3.5	1	24	10	-52	6	29	236
Five Rivers CWS	260	19.4	8.7	14.1	..	28.9	28	2.0	1	148	16	..	47	17	..
Lumsden AWS	194	19.8	8.9	14.4	+1.1	29.7	28	3.2	7	92	16	..	16	17	..
Waipounamu CWS	152	20.1	9.2	14.7	..	29.7	28	2.9	7	68	16	..	23	10	..
Cromwell EWS	213	24.8	9.7	17.3	+1.2	32.2	28	3.7	1	29	10	..	12	22	247
Lauder EWS	375	22.5	8.6	15.6	+1.1	31.1	28	2.4	1	31	14	-30	6	29	..
Ophir 2	305	22.6	7.7	15.2	..	30.2	28	0.1	1	..	..	..	..	..	..
Alexandra	150	24.7	10.6	17.7	+1.3	33.1	28	2.7	3	26	12	..	8	23	232
Clyde 2 EWS	170	24.2	9.4	16.8	..	32.6	28	1.0	1	46	10	..	17	22	..
Alexandra AWS	231	22.8	9.5	16.2	..	31.6	28	2.4	1	45	13	..	11	23	..
Alexandra EWS	132	24.0	10.3	17.2	..	33.4	28	3.0	3	16	11	..	4	23	235
Roxburgh WXT AWS	160	21.5	10.3	15.9	..	32.0	28	4.5	1	..	..	..	..	..	..
Tapanui EWS	180	21.5	8.7	15.1	..	31.3	28	1.3	7	69	17	..	19	16	..
Gore AWS	123	19.8	9.8	14.8	+1.7	28.5	28	4.2	7	119	19	+19	58	22	..
Gore EWS	60	20.0	9.4	14.7	..	28.7	28	4.4	7	101	19	..	31	22	180
Invercargill Aero	1	19.3	9.9	14.6	+1.6	..	..	..	..	48	16	-57	12	16	..
Invercargill Aero AWS	3	19.2	9.8	14.5	+1.5	26.9	13	3.8	7	37	10	..	11	16	..
Invercargill Aero 2 E		19.2	9.5	14.4	..	27.8	13	4.1	7	43	15	..	11	16	..
Tiwai Point EWS	5	17.6	11.1	14.4	+1.1	24.6	29	6.2	7	..	9	..	16	5	..
Stewart Island EWS	3	17.7	10.7	14.2	..	24.6	28	5.6	3	101	16	..	59	5	..
Balclutha, Telford Ew	11	18.9	9.5	14.2	..	29.8	29	5.4	3	22	12	..	8	16	151
Balclutha, Finegand E	6	19.5	9.9	14.7	..	30.2	29	5.4	31	25	13	..	11	16	..
Nugget Point AWS	131	16.6	10.4	13.5	+0.7	26.3	29	6.3	3	33	13	-50	8	16	..
Tautuku EWS	25	17.7	9.9	13.8	..	28.5	29	5.6	1	70	16	..	14	16	..
South West Cape AWS	103	16.9	10.3	13.6	+1.5	21.8	25	6.7	2	72	19	-35	35	5	..
Kiribati,Cassidy Chri	3	30.2	25.1	27.7	..	..	..	23.5	6	..	..	..	..	..	..
Solomon, Munda	6	..	25.1	..	..	..	..	24.0	1	..	..	..	..	..	..
Solomon, Honiara	56	32.3	24.2	28.3	..	..	..	23.5	18	..	..	..	..	..	..
Solomon, Henderson	9	32.2	23.5	27.9	..	33.2	29	21.6	18	..	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine December 2022

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine
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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	31.1	22.8	27.0	21.0	17	
Vanuatu,Lamap	22	31.3	25.0	28.2	..	..	..	..	..	192	18	..	76	29
Vanuatu, Bauerfield	20	31.9	22.2	27.1	..	..	..	19.2	17	..	..	..	..	..
Vanuatu,Burtonfield	70	32.2	23.1	27.7	..	..	..	..	..	..	..	..	..	..
Vanuatu,Aneityum	6	30.7	22.6	26.7	..	..	..	..	..	385	18	..	70	26
New Cal, Koumac	18	30.3	22.9	26.6	..	34.1	1	20.5	14	78	21	..	16	5	
New Cal, Oulop	7	30.4	24.0	27.2	..	32.0	25	20.3	17	..	..	..	..	..
New Cal, Ouanaham	29	30.3	22.3	26.3	..	32.0	1	17.6	15	..	..	..	..	..
New Cal, La Roche	42	30.5	21.5	26.0	..	32.8	6	14.4	15	..	..	..	..	..
New Cal, La Tontouta	14	31.4	21.8	26.6	..	35.4	1	17.2	14	..	..	..	..	..
New Cal, Nouma	72	31.1	23.0	27.1	..	33.1	2	20.6	21	..	..	..	..	..
New Cal, Moue	97	28.8	22.6	25.7	..	31.0	3	17.3	14	..	..	..	..	..
Kiribati,Tarawa	2	..	26.0	..	..	..	..	24.4	2	43	8	..	17	6
Kiribati, Bonriki Int	4	..	26.3	..	..	..	..	25.3	7	..	..	..	..	..
Kiribati,Beru	2	..	26.1	..	..	..	..	24.9	14	..	..	..	..	..
Kiribati,Arorae	7	32.1	26.9	29.5	..	..	..	26.0	15	..	..	..	..	..
Tuvalu,Nanumea Is	2	32.8	25.8	29.3	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	31.3	26.1	28.7	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	31.0	25.2	28.1	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	31.6	26.2	28.9	..	..	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	31.7	23.1	27.4	..	33.8	16	20.2	16	..	..	..	..	..
Fiji,Nausori Aero	6	31.4	23.2	27.3	..	33.1	6	20.0	16	..	..	..	..	..
Wallis Island, Hihifo	27	31.1	25.0	28.1	..	32.1	30	23.4	12	..	..	..	..	..
Samoa,Faleolo	4	32.3	23.8	28.1	..	34.3	31	..	..	..	..	..	..	..
Samoa, Apia	1	29.6	23.7	26.7	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	30.8	25.2	28.0	..	32.1	28	23.0	19	234	28	..	55	16	
Tonga, Queen Lavinia	60	29.8	24.0	26.9	..	..	..	..	..	..	..	..	..	..
Tonga,Keppel	2	30.2	22.9	26.6	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	30.0	22.9	26.5	..	..	..	..	..	..	..	..	..	..
Salote Pilelevu Airpo	2	29.7	24.7	27.2	..	..	..	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	29.7	22.2	26.0	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	28.4	22.5	25.5	..	..	..	..	..	..	..	..	..	..
Vanuatu, Saratamata	18	32.5	23.9	28.2	..	..	..	20.1	17	230	18	..	43	10
Hiva Hoa, Atuona	51	30.9	23.2	27.1	..	33.2	9	21.9	8	33	12	..	9	3	
Society Is, Mopelia		30.1	25.1	27.6	..	30.9	31	21.1	12	..	..	..	..	..
Tahiti - Faaa	1	30.5	23.8	27.2	..	32.6	22	21.4	12	149	12	..	76	11	
Tuamotu, Takaroa	2	30.8	25.1	28.0	..	31.6	28	22.7	1	..	..	..	..	..
Tuamotu, Hao	3	29.3	25.2	27.3	..	30.6	20	23.9	8	..	..	..	..	..
Gambier, Rikitea	91	26.2	18.1	22.2	..	27.4	25	13.2	2	146	16	..	45	30	
Tubuai	2	28.1	22.3	25.2	..	29.9	20	19.1	27	..	..	..	..	..
Rapa	1	25.5	21.0	23.3	..	..	..	17.3	1	97	12	..	34	9
Enderby Is AWS	39	13.0	8.1	10.6	..	15.8	25	4.1	2	35	18	..	6	3	
Campbell Island AWS	16	12.2	6.8	9.5	+0.8	16.3	25	3.9	1	48	20	-64	9	3	
Chatham Island Aero A	12	18.2	12.4	15.3	..	22.1	30	6.3	29	94	17	..	41	18	
Georg Von Neumayer	40	-2.7	-8.3	-5.5	..	0.6	31	-14.8	1	..	..	..	..	..
Ant South Pole	2827	-27.7	-30.3	-29.0	..	-21.0	22	-33.6	4	..	..	..	..	..
Halley Bay	30	-3.5	-8.9	-6.2	..	..	..	..	..	..	..	..	..	..
Gen Belgrano 2	256	0.0	-6.6	-3.3	..	4.1	26	-9.6	30	..	..	..	..	..
Bellingshausen	16	2.8	-0.2	1.3	..	5.3	23	-2.5	11	..	..	..	..	..
Base Jubany	4	3.8	..	..	..	7.1	17	..	..	..	..	..	..	..
V C Marambio	198	2.8	-3.2	-0.2	..	10.7	22	-6.7	11	..	..	..	..	..
Eduardo Frei	10	1.6	-1.0	0.3	..	4.4	23	-3.5	11	..	..	..	..	..
Arturo Prat		3.1	-0.1	1.5	..	6.0	23	-6.0	9	..	..	..	..	..
Bernado Ohiggins	10	2.6	-1.3	0.7	..	7.1	23	-4.3	15	..	..	..	..	..
Palmer Station	8	3.9	-0.5	1.7	..	..	..	..	..	..	..	..	..	..
Gen San Martin	4	3.9	-1.7	1.1	..	7.1	16	-5.2	11	..	..	..	..	..
Novolax Arevskaja	99	0.5	-4.1	-1.8	..	4.3	17	-6.4	27	..	..	..	..	..
Maitri		1.4	-4.1	-1.4	..	..	..	..	..	..	..	..	..	..
Syowa	21	-0.4	-5.7	-3.1	..	3.1	16	-11.8	11	..	..	..	..	..
Mawson	16	2.3	-5.5	-1.6	-8.5	4	
Davis	13	2.4	-3.7	-0.7	-7.6	1	
Progress	64	1.9	-3.1	-0.6	..	6.1	29	-7.3	6	
Mirnyj	30	-0.8	-6.3	-3.6	..	3.9	26	

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Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun-shine
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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		
Vostok	3420	-29.5	-39.4	-34.5	
Casey	41	1.4	-3.8	-1.2	..	..	..	-6.5	4	..	..	..	..	..
Wilkins Runway East	755	-3.3	-9.9	-6.6	..	..	..	..	..	..	..	..	..	..
Durmont Durville	43	1.7	-4.4	-1.4	..	5.2	15	-8.3	14	..	..	..	..	..
Mcmurdo	24	-0.8	-6.0	-3.4	..	5.8	14	-10.7	8	..	..	..	..	..
Arrival Heights EWS	218	-2.6	-7.5	-5.1	..	4.0	14	-12.2	4	..	..	..	..	..
Scott Base EWS	20	-1.0	-6.7	-3.9	..	6.7	14	-12.5	7	..	..	..	..	..
Scott Base 2 EWS	43	-0.8	-6.8	-3.8	..	6.2	14	-12.7	7	..	..	..	..	..
Casey, Skiway South	392	0.9	-7.4	-3.3	..	6.9	23	-13.4	2	..	..	..	..	..
Darwin Airport	31	33.1	12.5	22.8	..	36.1	2	6.3	29	..	..	..	..	..
Late returns and corrections for November 2022															
Cape Turnagain AWS	285	16.3	11.8	14.1	..	..	..	8.4	25	..	..	..	..	..
Baring Head	79	18.3	12.5	15.4	..	23.0	15	9.6	25	76	17	..	18	18	
Te Wharau, Brackenfe	292	19.0	9.7	14.4	..	24.3	14	5.2	8	136	9	..	54	17	
Taihape Rec	433	21.6	7.1	14.4	+1.4	25.2	5	..	..	151	17	+82	43	15
Boyle River Lodge	600	19.0	6.9	13.0	+1.5	26.0	..	3.0	8	146	..	-36	34	23	
Lake Tekapo, Air Safa	762	17.4	6.7	12.1	+0.9	..	..	..	..	95	14	+54	33	2
Oamaru EWS	20	18.7	9.3	14.0	..	28.2	2	4.0	28	50	13	..	21	19	
Ettrick No.2	91	20.7	7.5	14.1	+1.6	26.0	15	1.0	9	35	10	-19	19	2	
Vanuatu,Pekoa	56	30.5	22.6	26.6	..	..	..	..	..	257	25	..	58	6
Vanuatu, Bauerfield	20	30.9	22.3	26.6	..	32.9	30	20.4	2	309	21	..	94	11	
Vanuatu,Burtonfield	70	30.3	22.6	26.5	..	..	..	..	..	..	..	..	..	..
New Cal, Nouma	72	29.7	21.4	25.6	..	33.5	28	19.1	26	18	14	..	7	4	
Maopoopo, Futuna Isla	36	31.2	25.0	28.1	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	30.3	25.2	27.8	..	31.9	24	22.7	30	299	23	..	68	25	
Vanuatu, Saratamata	18	32.3	23.8	28.1	..	..	..	..	..	420	21	..	60	11
Tuamotu, Takaroa	2	29.4	24.0	26.7	..	30.3	14	20.4	27	49	19	..	16	25	
Late returns and corrections for October 2022															
Baring Head	79	14.3	9.0	11.7	..	21.0	31	2.1	6	20	10	..	6	1	
Boyle River Lodge	600	15.7	3.7	9.7	+0.2	22.0	22	-6.0	6	200	..	-34	100	26	
Vanuatu,Pekoa	56	29.8	22.3	26.1	..	..	..	20.3	2	..	..	..	..	..
Samoa, Pago Pago Aero	3	30.1	25.1	27.6	..	31.3	2	23.0	28	343	18	..	120	26	
Late returns and corrections for September 2022															
Baring Head	79	13.3	8.6	11.0	..	17.4	17	1.9	15	49	11	..	22	29	
Castle Mount EWS	2000	1.3	-4.0	-1.4	..	6.7	22	-13.3	6	114	20	..	36	28	
Boyle River Lodge	600	13.6	2.4	8.0	+0.5	20.9	..	-3.5	7	130	..	-53	31	13	
Late returns and corrections for August 2022															
Baring Head	79	13.3	8.6	11.0	..	19.4	19	2.1	1	72	20	..	14	25	
Castle Mount EWS	2000	2.1	-3.7	-0.8	..	6.7	28	-10.5	8	415	18	..	177	5	
Boyle River Lodge	600	11.8	1.6	6.7	+1.6	16.8	19	-5.5	13	222	..	+53	..	..
Late returns and corrections for July 2022															
Baring Head	79	12.8	7.8	10.3	..	17.7	26	2.8	17	122	17	..	23	20	
Castle Mount EWS	2000	-0.4	-6.1	-3.3	..	3.9	8	-10.3	16	311	15	..	198	17	
Boyle River Lodge	600	..	0.1	..	..	..	..	-7.0	25	157	..	+4	34	9

The 'Normal' refers to the present site of the instruments. Standard period for normals is 1981-2010.
No normals are available for stations with only short records.
A rain day is a day with rainfall equal to or greater than 0.1 mm.
Where the extremes of temperature and rainfall occurred more than once during the month,
the date of the first is given.

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