



Climate Database Statistics Report

January 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 January 2023

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine Hrs
		Means of		Mean of A and B	Differ—ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ—ence From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	mm		
Cape Reinga AWS	213	22.1	17.2	19.7	+0.8	..	..	..	..	..	..	..	..	..
Kaitaia Aero EWS	80	24.0	16.9	20.5	+1.0	26.2	8	12.9	17	288	17	+212	63	29	
Kaitaia Aero AWS	77	24.1	16.7	20.4	..	..	..	..	..	..	..	..	..	..
Kaitaia EWS	85	23.9	17.4	20.7	+1.5	26.8	8	14.4	13	288	16	+213	75	29	
Kerikeri EWS	79	23.4	16.8	20.1	+0.7	26.5	20	13.3	20	359	22	+258	51	31	
Kerikeri Aerodrome Aw	149	22.9	16.2	19.6	+0.3	27.0	20	12.5	18	449	23	+337	61	4	
Kaikohe AWS	204	22.3	15.9	19.1	+0.2	26.0	8	12.2	17	527	27	+422	107	4	
Trounson CWS	244	23.2	15.7	19.5	+2.0	27.0	29	10.6	17	222	21	+131	57	26	
Dargaville 2 EWS	66	25.3	16.6	21.0	+1.7	30.5	29	12.8	17	195	15	+130	35	10	
Purerua AWS	87	22.4	17.2	19.8	+0.7	26.3	12	14.2	17	281	24	+224	34	31	
Russell CWS	15	23.1	16.3	19.7	..	26.5	21	11.5	18	330	20	+237	56	29	
Whangarei Aero AWS	38	23.0	17.7	20.4	+0.2	26.8	29	14.4	18	489	22	+411	92	27	
Whangarei EWS	12	23.6	16.9	20.3	+0.7	27.3	29	13.3	18	437	21	..	72	9	
Mokohinau AWS	70	21.3	18.0	19.7	-0.3	25.0	21	15.2	18	..	..	..	106	27
Leigh 2 EWS	27	23.6	17.8	20.7	..	28.8	22	15.3	20	390	20	+322	114	27	
Warkworth EWS	72	22.2	16.2	19.2	+0.7	25.9	8	11.7	18	551	21	+477	131	27	
Whangaparaoa AWS	100	23.3	17.2	20.3	+0.5	29.0	19	15.1	13	313	17	+259	103	27	
Tiri Tiri Lighthouse	76	22.2	16.1	19.2	-0.3	26.1	19	14.0	2	325	17	+263	101	31	
Auckland, Whenuapai A	26	23.0	16.7	19.9	+0.6	27.4	8	12.6	18	483	23	..	190	27	
Auckland, North Shore	64	23.3	17.3	20.3	+1.2	27.6	8	13.9	18	481	20	+414	230	27	
Auckland, Henderson N	7	24.5	16.5	20.5	+0.6	29.3	8	13.1	20	493	23	+422	199	27	
Auckland, Motat EWS	16	23.6	17.4	20.5	..	27.2	8	13.2	18	480	19	..	215	27	
Waiheke Island, Awaro	34	23.8	16.6	20.2	+0.8	27.6	18	12.4	17	344	..	+278	94	27	
Manukau Heads EWS	240	20.6	16.1	18.4	..	23.8	9	14.3	1	496	18	..	115	27	
Whitianga Aero AWS	5	22.5	16.8	19.7	+0.6	27.9	21	13.4	25	523	24	+427	102	9	
Whitianga EWS	1	23.1	16.7	19.9	+0.2	29.7	21	12.8	25	..	..	..	..	..
Thames EWS	3	23.7	16.2	20.0	..	28.0	8	12.8	18	296	19	..	60	29	
Paeroa AWS	19	23.5	16.0	19.8	+0.3	28.3	8	10.7	18	387	25	+323	78	10	
Matamata, Hinuera EWS	85	23.0	14.6	18.8	+0.6	28.1	19	9.6	23	238	20	+156	80	27	
Tauranga CWS	3	22.4	16.7	19.6	..	28.8	21	14.0	16	382	23	..	78	28	
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	156
Tauranga Aero AWS	5	23.1	17.1	20.1	+0.3	28.5	21	14.4	18	385	23	+309	93	27	
Te Puke EWS	123	22.6	15.8	19.2	+0.4	30.0	21	11.2	1	401	23	+304	110	27	
Whakatane Aero AWS	8	23.2	16.1	19.7	+0.5	27.8	21	9.7	1	169	23	+97	75	27	
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	167
Whakatane EWS	1	23.7	16.3	20.0	..	28.8	21	9.3	1	158	20	..	64	27	
Mamaku Radar WXT AWS	817	18.0	12.7	15.4	+0.0	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	24.7	14.9	19.8	+0.0	31.4	21	9.1	1	..	..	..	..	120
Rotorua EWS	288	21.7	14.0	17.9	..	28.1	21	8.4	1	250	19	..	79	27	
Rotorua Aero AWS	286	21.8	14.1	18.0	+0.3	27.4	19	8.0	1	336	21	+242	105	27	
Galatea AWS	175	22.5	14.7	18.6	+0.2	28.6	21	9.0	16	167	19	..	54	27	
Taupo CWS	360	22.9	14.0	18.5	..	28.4	21	8.0	13	223	15	..	84	27	
Tarapounamu EWS	701	17.7	10.4	14.1	-1.1	22.8	20	7.3	13	220	16	+104	81	28	
Taupo AWS	402	21.5	13.5	17.5	+0.2	26.1	21	6.7	13	188	15	+115	74	28	
Motu EWS	488	20.6	11.7	16.2	+0.3	25.8	20	5.5	21	219	23	+85	58	28	
Auckland, Mangere 2 E	16	23.3	16.9	20.1	..	26.4	8	13.1	18	478	19	+422	265	27	
Auckland Aero	7	23.5	17.2	20.4	+0.4	26.1	8	14.5	18	420	20	+362	245	27	
Auckland Aero Backup	7	23.5	17.3	20.4	+0.5	26.3	8	14.8	18	420	20	..	253	27	
Ardmore Aero AWS	41	23.7	16.0	19.9	..	..	..	..	..	..	..	..	..	..
Pukekohe EWS	88	22.7	14.8	18.8	+0.0	..	..	11.5	23	346	18	+275	198	27
Firth Of Thames EWS	3	24.1	15.4	19.8	+0.9	29.3	8	10.3	23	267	18	+185	70	29	
Whatawhata 2 EWS	118	23.7	14.8	19.3	+0.9	28.8	8	10.6	26	334	19	+245	119	27	
Hamilton, Ruakura 2 E	45	23.8	15.7	19.8	+1.1	28.2	19	11.0	23	217	17	+142	65	27	
Hamilton AWS	53	23.5	15.5	19.5	+1.0	27.2	8	10.7	23	235	17	+160	68	27	
Lake Karapiro CWS	55	24.0	17.0	20.5	+1.1	28.5	21	13.9	23	206	20	+129	57	27	
Port Taharoa AWS	18	23.1	17.2	20.2	+1.1	..	..	14.1	2	258	18	+194	84	27
Awakino EWS	400	21.1	13.5	17.3	..	26.1	9	10.1	2	188	19	+67	41	10	
Waikeria EWS	37	24.6	15.0	19.8	..	29.2	19	9.6	23	184	19	+114	69	27	
Te Kuiti EWS	61	24.9	14.4	19.7	+1.4	29.1	8	9.3	2	363	16	+279	132	28	
Pureora Forest CWS	549	20.0	12.1	16.1	+0.8	24.8	21	6.2	23	267	28	+156	77	28	
Taumarunui EWS	170	24.3	13.7	19.0	+1.3	28.5	19	8.3	2	221	15	+113	61	28	
Taumarunui AWS	186	24.4	14.1	19.3	+1.3	28.9	19	8.1	23	171	13	..	60	27	
Turangi 2 EWS	360	22.3	12.7	17.5	+0.7	27.8	21	5.1	1	321	13	+221	115	28	

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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	22.9	15.6	19.3	+1.7	27.3	9	11.8	20	161	14	+85	31	27	250
Lower Retaruke CWS	233	23.8	13.7	18.8	+1.1	27.8	9	7.9	13	173	15	+79	46	28	..
Mt Ruapehu, Chateau E	1097	17.4	8.0	12.7	+0.2	21.5	21	2.6	23	161	17	-11	43	28	..
Pahiatua EWS	110	22.5	13.0	17.8	+0.8	27.9	29	8.3	16	135	14	..	49	27	..
Masterton Aero AWS	105	21.8	12.5	17.2	-0.7	28.0	29	7.3	14	182	15	..	43	7	..
Masterton EWS	90	23.2	12.7	18.0	+0.2	29.6	29	8.1	1	162	13	..	36	7	150
Masterton, Te Ore Ore	110	22.0	13.1	17.6	-1.1	27.9	20	8.4	14	175	15	+123	40	7	..
Takapau Plains AWS	346	20.7	12.5	16.6	-0.1	26.0	30	7.5	1	214	18	+131	45	27	..
Dannevirke EWS	207	21.7	13.5	17.6	+0.5	26.1	30	9.0	13	186	17	+105	50	27	124
Cape Turnagain AWS	285	16.9	13.9	15.4	-0.5	21.6	20	11.7	13	..	..	..	..	..	..
Akitio EWS	245	18.9	13.8	16.4	+0.2	24.1	30	11.2	13	321	15	..	73	11	195
Castlepoint AWS	120	19.1	14.6	16.9	-0.7	24.4	20	11.9	13	259	17	+177	67	10	..
Baring Head	79	..	14.3	..	..	..	..	11.6	8	39	11	..	10	28	..
Te Wharau, Brackenfie	292	20.5	11.6	16.1	-0.6	26.3	29	7.2	14	352	16	+267	96	7	..
Martinborough EWS	20	23.2	12.9	18.1	+0.2	28.7	29	7.6	15	76	10	+31	21	5	137
Ngawi AWS	8	22.1	15.3	18.7	+0.0	..	..	..	..	..	..	..	67	11	..
Hicks Bay AWS	46	21.6	16.8	19.2	+0.4	..	..	..	..	..	..	..	..	..	..
Gisborne AWS	5	22.5	15.4	19.0	-0.4	27.4	20	9.7	26	252	23	+186	91	10	122
Gisborne EWS	12	22.7	14.4	18.6	-1.5	27.8	20	10.0	26	184	22	+113	47	10	..
Tolaga Bay WXT AWS	15	20.8	16.6	18.7	+0.3	..	..	..	..	..	..	..	..	..	..
Tutira CWS	235	20.5	13.8	17.2	-0.9	25.8	20	10.3	16	327	20	+237	79	10	..
Napier Aero AWS	3	21.9	15.2	18.6	-0.5	24.7	30	11.1	13	266	19	+202	63	28	..
Napier EWS	7	23.0	16.5	19.8	..	26.0	30	11.3	13	194	17	+135	55	28	188
Maraekakaho CWS	150	21.9	14.1	18.0	..	27.1	20	10.0	18	238	19	..	59	10	..
Hastings AWS	16	22.6	14.5	18.6	-0.9	..	..	..	..	189	19	..	53	28	..
Whakatu EWS	5	22.8	14.5	18.7	+0.8	25.6	21	9.3	13	170	16	+124	51	28	..
Waipawa EWS	130	21.9	13.8	17.9	-0.1	28.1	20	9.7	26	174	17	+109	40	28	..
Wairoa, North Clyde E	15	24.1	14.8	19.5	+0.1	29.4	20	11.2	18	140	21	+53	28	28	..
Wairoa Aero AWS	13	22.5	14.6	18.6	-0.3	27.5	30	10.2	18	143	23	..	32	28	..
Mahia Radar WXT AWS	419	17.2	13.7	15.5	-1.2	..	..	..	..	..	..	..	..	..	..
Mahia AWS	136	19.8	15.5	17.7	-0.7	22.3	20	13.0	25	159	22	+105	49	10	..
Cape Kidnappers WXT A	113	19.5	16.6	18.1	-0.1	22.8	21	13.4	13	..	..	..	..	..	..
Paraparaumu Aero	5	22.9	13.1	18.0	+0.6	..	..	..	..	72	9	+12	18	29	230
Paraparaumu Aero AWS	8	22.7	13.4	18.1	+0.7	..	..	..	..	..	..	..	..	..	..
Paraparaumu EWS	5	22.9	13.5	18.2	..	26.7	4	7.5	2	64	8	+13	16	29	240
Ohakea AWS	47	23.6	14.1	18.9	+0.9	28.9	29	..	..	..	..	..	..	..	..
Palmerston North AWS	39	23.7	14.3	19.0	+1.0	29.2	29	8.5	13	100	13	+42	42	27	..
Palmerston North EWS	21	23.8	15.0	19.4	+1.5	29.5	29	8.9	13	94	12	+35	37	27	225
Levin AWS	15	24.5	13.9	19.2	+1.5	30.5	29	7.5	14	70	10	+4	37	27	..
Levin EWS	23	20.9	10.2	15.6	..	25.1	11	..	..	57	10	..	32	27	243
Mana Island AWS	110	20.3	14.4	17.4	+1.3	24.1	29	11.9	8	55	10	..	21	27	..
Porirua, Elsdon Park	7	22.6	14.1	18.4	..	..	..	..	..	..	..	..	..	..	..
Wellington, Kelburn A	125	21.0	14.3	17.7	+0.7	25.1	19	11.2	14	116	13	+37	43	7	229
Wellington Aero	4	21.0	15.0	18.0	+0.2	25.4	30	12.4	8	102	12	+42	33	7	..
Wellington, Greta Poi	3	22.7	15.3	19.0	+1.0	29.6	4	11.9	14	109	12	..	46	7	..
Wellington Aero Backu	4	21.0	15.1	18.1	+0.4	25.3	30	12.4	14	96	11	+36	31	7	..
Upper Hutt, Trentham	50	22.8	12.9	17.9	+0.8	27.9	29	6.7	14	56	10	+5	16	6	205
Stratford EWS	280	21.3	13.0	17.2	+1.0	24.6	20	8.5	1	176	12	+67	45	27	..
Ohakune EWS	607	21.8	11.0	16.4	+0.7	..	..	..	..	..	..	..	..	..	..
Waiouru Airstrip AWS	820	19.2	10.2	14.7	+0.9	22.0	3	2.2	13	165	19	..	41	28	..
Waiouru EWS	803	19.8	10.4	15.1	..	23.4	21	2.8	13	139	19	+44	36	28	..
Flat Hills WXT AWS	262	22.5	13.4	18.0	+1.0	27.5	29	6.4	1	152	15	+91	39	27	..
Whanganui, Spriggins	15	23.7	14.9	19.3	+1.0	27.7	29	9.6	14	117	12	+59	51	27	..
Whanganui AWS	14	22.9	14.6	18.8	+0.8	27.3	4	8.9	14	118	14	+67	51	27	..
Wanganui 2 AWS	18	25.4	14.7	20.1	+1.6	..	..	..	..	..	..	..	..	..	..
Takaka EWS	20	23.2	13.4	18.3	+0.9	28.8	20	8.2	1	169	14	+27	76	5	195
Farewell Spit AWS	3	24.5	16.3	20.4	+2.2	28.0	22	14.0	16	136	12	+46	42	5	..
Westport Aero AWS	5	23.6	15.7	19.7	+3.3	29.1	28	10.8	23	70	14	-93	17	13	..
Westport EWS	6	23.6	16.4	20.0	..	28.2	28	10.1	23	66	13	..	16	13	258
Arapito EWS	3	24.4	14.3	19.4	+3.1	29.4	28	9.8	23	45	11	-132	22	5	230
Hokitika Aero	39	23.9	14.3	19.1	+3.3	28.6	11	9.5	23	229	9	-28	108	13	274
Hokitika AWS	40	23.8	14.3	19.1	+3.4	28.8	11	9.4	23	232	10	+24	107	13	..
Hokitika EWS	39	23.8	14.1	19.0	..	28.5	11	9.2	23	216	8	..	100	13	..

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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		
Reefton EWS	198	26.5	13.7	20.1	+2.8	31.5	9	8.0	23	48	11	-91	19	5	240
Greymouth Aero EWS	5	24.4	15.2	19.8	+4.0	30.9	8	10.2	23	143	12	-70	47	13	272
Pigeon Creek CWS	105	24.5	13.6	19.1	+3.1	29.2	9	7.3	23	82	12	..	27	5	..
Mt Philistine EWS	1655	13.2	6.5	9.9	+3.0	..	..	..	..	..	..	..	..	..	..
Mahanga EWS	1995	11.1	5.1	8.1	+1.3	14.6	9	1.8	8	39	10	..	8	5	..
Ivory Glacier CWS	1390	14.2	8.6	11.4	..	20.1	9	4.0	22	413	10	-220	141	5	..
Okarito EWS	1	24.1	13.8	19.0	..	26.9	30	9.6	21	96	10	..	40	5	..
Franz Josef EWS	80	25.2	13.0	19.1	+3.9	28.8	29	8.6	23	165	13	-248	41	5	238
Lake Moeraki EWS	10	23.3	13.0	18.2	..	26.1	7	8.1	23	101	9	..	30	5	..
Haast AWS	1	22.9	13.7	18.3	+3.6	27.3	7	8.2	24	102	11	-154	38	26	..
Milford Sound AWS	3	22.9	12.6	17.8	+2.7	26.1	7	8.6	21	94	9	-573	31	26	..
Milford Sound EWS	3	23.1	12.7	17.9	..	26.6	7	9.0	21	97	9	..	32	26	..
Castle Mount EWS	2000	11.5	4.6	8.1	+3.9	17.6	8	-1.8	22	94	13	..	20	26	..
Secretary Island AWS	19	22.7	14.5	18.6	+3.8	27.2	11	10.8	21	..	..	..	..	..	..
Stephens Island AWS	188	19.7	14.8	17.3	..	24.1	29	12.5	1	91	11	..	46	27	..
Motueka, Riwaka EWS	8	23.6	13.5	18.6	+0.7	..	..	..	..	128	11	+46	54	5	..
Pelorus Sd, Crail Bay	13	22.4	15.0	18.7	+0.7	26.7	19	12.6	16	85	..	-37	34	6	..
Nelson Aero	2	23.4	15.1	19.3	+1.2	..	..	..	..	..	..	..	..	..	..
Appleby 2 EWS	18	23.5	12.5	18.0	+1.1	..	..	..	..	..	..	..	..	..	..
Richmond EWS	1	22.8	13.6	18.2	+0.1	27.6	20	8.4	2	58	8	..	27	5	229
Nelson AWS	6	23.0	15.3	19.2	+1.0	27.7	28	10.9	1	75	7	+17	32	5	..
Blenheim Research EWS	4	22.6	13.3	18.0	-0.1	29.7	20	7.6	1	60	7	+17	25	6	212
Blenheim Aero AWS	36	22.8	12.0	17.4	-0.6	29.7	20	6.5	1	64	7	+16	28	6	..
Brothers Island AWS	68	19.2	..	..	..	25.0	4	..	..	..	..	..	..	..	..
Grassmere Salt Works	2	21.7	15.9	18.8	+0.3	29.6	20	12.3	15	59	10	+23	24	11	..
Cape Campbell AWS	6	19.4	14.7	17.1	+0.7	..	..	..	..	..	..	..	..	..	..
Hanmer Forest EWS	363	24.1	9.8	17.0	+1.0	30.9	6	2.2	2	57	10	-13	16	30	..
Kaikoura, Middle Cree	5	20.8	11.4	16.1	+0.1	27.6	30	6.5	2	44	12	..	9	7	..
Kaikoura AWS	108	20.2	13.2	16.7	+0.1	26.6	27	10.0	1	71	14	+24	21	7	..
Arthurs Pass	745	22.1	10.4	16.3	+3.0	27.4	9	6.4	1	89	..	-325	..	..	..
Arthurs Pass EWS	745	21.8	10.1	16.0	+2.8	..	..	..	..	89	11	..	26	6	..
Arthurs Pass AWS	743	20.8	10.2	15.5	+2.6	26.3	9	6.5	1	99	15	..	30	6	..
Culverden AWS	181	22.3	11.9	17.1	+0.1	29.6	6	5.2	9	55	14	+12	26	30	..
Medbury CWS	232	23.0	10.9	17.0	-0.1	29.1	6	3.7	2	90	9	..	61	30	..
Balmoral East CWS	172	23.2	11.3	17.3	..	31.9	5	4.6	2	49	12	..	14	30	..
Waipara North Branch	497	22.1	9.7	15.9	..	27.1	16	0.4	9	100	10	..	38	27	..
Waiau School CWS	136	23.7	11.6	17.7	-0.4	31.3	6	4.7	2	22	10	-37	7	7	..
Cheviot EWS	75	22.4	11.4	16.9	-0.1	31.0	6	4.2	1	25	7	-12	11	7	241
Upper Rakaia EWS	1752	12.1	5.2	8.7	+1.3	17.2	9	0.1	8	93	17	-192	23	6	..
Mt Potts EWS	2128	11.4	3.9	7.7	+1.1	15.9	16	-0.5	23	..	..	..	..	..	..
Mt Cook EWS	730	22.8	10.1	16.5	+1.9	27.5	29	6.2	22	48	8	-371	13	26	..
Mueller Hut EWS	1818	13.2	6.4	9.8	+2.4	17.3	29	1.9	8	136	11	..	29	26	..
Mt Cook Aero AWS	656	23.4	9.6	16.5	+1.6	28.8	29	3.4	22	46	11	..	20	6	..
Cass EWS	571	23.9	10.0	17.0	..	28.4	15	2.6	1	33	9	..	10	22	..
Methven CWS	313	21.3	11.5	16.4	+0.2	28.3	6	6.9	1	123	14	+51	64	6	..
Winchmore 2 EWS	164	21.9	11.2	16.6	..	28.6	6	6.6	1	61	8	+2	42	6	219
Chertsey CWS	108	21.7	11.9	16.8	+0.5	28.3	6	6.1	1	37	7	-15	23	6	..
Mayfield at Ruapuna F	325	21.3	11.0	16.2	..	27.7	5	6.0	9	20	5	..	13	8	..
Peel Forest	286	21.1	10.9	16.0	+0.5	26.5	27	3.5	7	124	21	+20	41	6	..
Lismore, Racemans Hou	168	22.5	12.7	17.6	+1.7	28.2	5	7.9	9	56	11	..	34	6	..
Ashburton Aero AWS	88	22.3	11.4	16.9	+0.7	28.4	27	6.4	1	34	10	-17	17	6	222
Waipara West EWS	130	23.3	11.1	17.2	-0.2	..	..	..	..	50	10	+3	42	27	231
Ohoka CWS	..	21.3	11.8	16.6	..	30.1	6	5.7	1	6	5	..	3	29	..
Rangiora EWS	23	22.2	12.1	17.2	+0.5	29.5	6	6.4	2	26	5	-19	19	27	254
Christchurch Aero	37	22.4	12.9	17.7	+0.6	29.8	27	5.6	1	26	7	-16	10	6	244
Christchurch Aero Bac	37	22.5	12.9	17.7	+0.7	30.0	27	5.8	1	22	10	..	8	6	..
Christchurch, Kyle St	6	22.8	..	..	..	..	..	..	..	..	..	..	..	..	..
Christchurch Botanic	17	23.1	13.8	18.5	..	30.6	27	8.4	1	23	5	..	12	6	..
Bromley EWS	3	21.6	14.7	18.2	..	26.7	30	10.7	14	12	4	..	7	27	256
Lincoln, Broadfield E	18	22.3	13.3	17.8	+1.0	..	..	6.6	1	38	7	-5	27	6	246
Sugar Loaf AWS	496	18.9	11.3	15.1	+0.2	26.7	27	8.4	8	..	..	..	..	..	..
Diamond Harbour EWS	122	21.9	13.6	17.8	+1.0	28.3	27	8.5	1	9	4	..	4	6	259
Akaroa EWS	45	23.4	13.4	18.4	+0.8	31.0	6	8.5	13	7	5	-48	3	27	248

Summary of the records of Temperature, Rainfall and Sunshine January 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		
Le Bons Bay AWS	238	19.5	12.9	16.2	+0.8	25.5	6	8.8	13	17	8	-20	7	6	..
Lake Tekapo, Air Safa	762	22.9	8.9	15.9	+0.7	27.3	16	4.2	22	17	6	-26	11	6	..
Lake Tekapo EWS	762	23.9	8.5	16.2	+0.8	28.0	16	3.2	22	17	5	-21	11	6	295
Fairlie AWS	403	19.4	11.2	15.3	+0.1	26.1	6	8.8	8	91	16	..	56	6	..
Pukaki Aerodrome AWS	461	25.5	9.9	17.7	+1.1	30.2	19	4.0	29	25	9	-30	14	6	..
Orari Estate	81	22.0	11.4	16.7	+0.4	28.4	27	6.5	9	46	11	-10	23	6	..
Orari Estate EWS	81	22.2	11.3	16.8	+0.9	28.1	27	6.0	9	..	..	..	..	..	..
Timaru Aero AWS	27	21.1	11.5	16.3	+0.5	27.0	27	5.9	9	36	10	-14	11	6	..
Timaru EWS	17	20.5	13.0	16.8	+1.0	25.0	27	9.2	9	15	9	-35	8	6	..
Otaio @ Springbank ro	14	19.6	13.0	16.3	..	24.8	27	9.5	29	38	9	..	23	6	..
Waimate CWS	39	20.9	12.8	16.9	+1.2	26.9	27	9.0	9	12	10	-40	3	27	..
Oamaru Airport AWS	30	19.7	12.6	16.2	+1.1	25.3	30	7.9	12	14	13	-36	4	27	..
Albert Burn	1280	17.9	8.0	13.0	+2.7	23.6	9	3.4	21	89	15	-219	17	5	..
Mt Larkins EWS	1900	12.4	5.9	9.2	+4.0	17.6	9	0.3	22	56	16	..	14	10	..
Eglinton, Knobs Flat	365	24.1	9.3	16.7	+2.6	30.1	9	3.4	24	37	9	-188	11	20	..
Tara Hills AWS	485	25.7	10.3	18.0	+1.7	29.6	29	4.6	22	12	6	-33	7	17	..
Wanaka CWS	331	26.4	11.9	19.2	..	32.4	9	6.7	24	8	4	..	5	30	..
Wanaka Aero AWS	352	27.2	12.7	20.0	+2.7	32.2	9	8.3	21	4	6	-51	2	27	..
Windsor EWS	81	21.5	11.0	16.3	+1.0	27.0	5	6.5	9	15	8	-33	4	6	..
Ranfurlly EWS	450	24.5	8.6	16.6	+1.5	30.6	31	1.8	8	13	5	-44	6	27	..
Oamaru AWS	40	19.7	12.2	16.0	+0.8	23.8	30	8.4	21	21	9	-29	9	27	..
Palmerston	21	21.1	11.2	16.2	+1.3	27.0	30	5.6	8	11	5	-50	4	11	197
Middlemarch EWS	213	24.3	9.0	16.7	+1.1	31.9	31	1.7	29	27	6	-63	13	6	222
Swampy Summit AWS	716	16.1	8.8	12.5	+1.2	22.0	30	5.0	8	..	..	..	..	..	..
Dunedin Aero AWS	2	22.7	10.1	16.4	+1.1	29.3	31	3.3	28	33	10	-34	20	6	..
Dunedin, Musselburgh	4	20.1	13.6	16.9	+1.7	25.0	30	7.7	8	24	9	-47	14	6	271
Oamaru EWS	20	20.2	12.0	16.1	+1.9	24.6	30	7.3	21	12	9	..	4	27	..
Murchison Mtns EWS	1140	16.1	7.1	11.6	+2.5	22.5	9	2.2	28	59	10	-248	16	6	..
Te Anau At Park HQ Cw	204	23.6	11.1	17.4	..	29.9	29	4.4	28	..	..	..	..	..	..
Manapouri, West Arm J	178	23.7	11.7	17.7	+3.2	30.1	9	6.5	29	60	12	-306	18	20	..
Manapouri Aero AWS	209	24.2	8.7	16.5	+1.8	30.8	29	1.0	28	20	10	-69	5	5	..
Birchwood WXT AWS	149	21.4	10.7	16.1	+1.8	29.1	31	3.9	28	39	13	..	16	6	..
Queenstown EWS	322	26.1	12.2	19.2	..	31.6	9	6.0	24	14	8	..	5	26	..
Queenstown Aero AWS	357	24.4	11.0	17.7	+1.8	30.0	9	6.0	24	13	7	-59	7	26	302
Five Rivers CWS	260	22.5	10.2	16.4	+1.9	29.5	31	3.2	28	42	10	..	14	6	..
Lumsden AWS	194	23.0	9.9	16.5	+1.7	30.2	31	2.5	28	45	10	-42	11	27	..
Waipouamu CWS	152	23.0	9.7	16.4	+1.5	30.2	31	2.7	28	76	8	..	36	6	..
Cromwell EWS	213	28.0	11.8	19.9	+2.0	34.2	29	6.6	21	10	5	-37	8	6	309
Lauder EWS	375	26.3	9.9	18.1	+1.8	31.5	29	4.5	8	21	7	-32	10	6	..
Ophir 2	305	26.7	8.5	17.6	+1.8	32.5	9	3.0	8	17	8	-31	5	6	..
Alexandra	150	27.8	12.2	20.0	+1.9	34.0	31	6.9	24	31	7	-16	14	6	301
Clyde 2 EWS	170	27.1	10.6	18.9	+1.4	33.6	31	4.4	24	25	4	-22	15	6	..
Alexandra AWS	231	26.4	11.2	18.8	+1.8	33.0	31	5.7	21	33	7	..	17	6	..
Alexandra EWS	132	27.1	12.0	19.6	..	34.2	31	7.2	24	31	6	..	15	6	305
Roxburgh WXT AWS	160	23.9	12.0	18.0	+1.9	31.8	31	8.1	25	36	7	..	27	6	..
Tapanui EWS	180	24.2	9.5	16.9	..	31.7	31	3.0	28	52	9	..	28	6	..
Gore AWS	123	22.5	10.8	16.7	+2.2	30.0	31	4.4	28	34	8	-59	12	20	..
Gore EWS	60	23.2	10.0	16.6	..	31.2	31	1.8	28	26	6	..	9	6	268
Invercargill Aero	1	21.6	10.4	16.0	+1.8	27.1	26	4.1	13	29	10	-74	7	20	282
Invercargill Aero AWS	3	21.9	10.3	16.1	+1.9	27.5	19	4.4	13	24	6	-65	11	20	..
Invercargill Aero 2 E		21.7	10.0	15.9	+1.8	27.2	26	3.5	13	27	9	-71	8	20	..
Tiwai Point EWS	5	19.9	12.3	16.1	+1.6	26.3	26	7.1	8	..	..	..	..	..	..
Stewart Island EWS	3	19.7	11.5	15.6	..	25.5	16	7.4	21	52	9	..	20	26	..
Balclutha, Telford Ew	11	21.7	10.0	15.9	+1.7	27.0	26	3.9	13	6	5	-63	4	6	242
Balclutha, Finegand E	6	22.3	10.4	16.4	..	28.2	31	4.2	13	9	5	..	6	6	..
Nugget Point AWS	131	19.5	12.2	15.9	+1.8	23.9	15	9.3	13	12	10	-61	4	6	..
Tautuku EWS	25	20.0	10.8	15.4	..	26.4	31	5.6	13	30	8	..	11	6	..
South West Cape AWS	103	19.2	12.1	15.7	+2.6	25.6	9	9.6	21	88	16	-21	37	6	..
Kiribati,Cassidy Chri	3	29.9	24.6	27.3	..	..	..	..	..	..	..	..	..	..	..
Solomon, Taro Is	3	32.7	..	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Munda	6	..	25.3	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	31.5	24.0	27.8	..	33.7	1	..	..	..	..	..	..	..	..
Solomon, Henderson	9	31.5	23.4	27.5	..	..	..	..	..	..	..	..	..	..	..

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

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		
Solomon, Santa Cruz	24	..	24.0	
Vanuatu,Pekoa	56	31.0	23.3	27.2	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	31.5	22.9	27.2	..	..	..	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	32.6	23.4	28.0	..	..	..	..	..	..	..	..	..	..
New Cal, Koumac	18	30.0	22.7	26.4	..	32.3	23	20.4	5	51	16	..	14	16	
New Cal, Oulop	7	30.7	23.4	27.1	..	32.6	24	18.2	5	..	..	..	..	..
New Cal, Ouanaham	29	30.3	22.5	26.4	..	..	..	17.1	20	..	..	..	..	..
New Cal, La Roche	42	30.4	21.2	25.8	..	33.2	9	15.6	20	..	..	..	..	..
New Cal, La Tontouta	14	30.9	21.4	26.2	..	35.7	22	18.0	12	..	..	..	..	..
New Cal, Nouma	72	30.5	23.0	26.8	..	33.4	22	21.0	30	..	..	..	..	..
New Cal, Moue	97	28.7	22.4	25.6	..	31.6	7	18.6	12	..	..	..	..	..
Kiribati,Tarawa	2	..	25.7	..	..	..	..	..	..	..	..	..	..	..
Kiribati, Bonriki Int	4	..	25.9	..	..	..	..	..	..	..	..	..	..	..
Kiribati,Beru	2	..	25.7	..	..	..	..	..	..	..	..	..	..	..
Kiribati,Arorae	7	32.0	26.5	29.3	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nanumea Is	2	..	25.9	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	32.2	..	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	32.0	25.6	28.8	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	31.8	26.8	29.3	..	..	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	30.9	23.6	27.3	..	33.4	23	21.5	19	..	..	..	..	..
Fiji,Nausori Aero	6	31.9	23.8	27.9	..	33.6	10	22.0	18	..	..	..	..	..
Wallis Island, Hihifo	27	30.2	24.7	27.5	..	32.0	2	23.4	30	..	..	..	..	..
Maopoopo, Futuna Isla	36	31.5	25.5	28.5	..	..	..	24.5	3	..	..	..	..	..
Samoa,Faleolo	4	31.1	24.1	27.6	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	29.4	23.6	26.5	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	30.6	25.5	28.1	..	32.7	24	..	..	..	..	..	..	..
Tonga, Queen Lavinia	60	30.1	24.3	27.2	..	..	..	..	..	..	..	..	..	..
Tonga,Keppel	2	30.2	23.5	26.9	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	30.5	..	..	..	..	..	..	..	..	..	..	..	..
Salote Pilelevu Airpo	2	30.6	24.8	27.7	..	..	..	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	30.6	23.9	27.3	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	28.5	22.5	25.5	..	..	..	18.5	15	..	..	..	..	..
Hiva Hoa, Atuona	51	31.2	23.4	27.3	..	34.4	13	22.2	9	..	..	..	..	..
Society Is, Mopelia		30.1	24.5	27.3	..	31.3	31	22.0	11	..	..	..	..	..
Tahiti - Faaa	1	30.2	23.7	27.0	..	32.0	25	21.4	26	..	..	..	..	..
Tuamotu, Takaroa	2	31.0	25.3	28.2	..	..	..	21.3	18	..	..	..	..	..
Tuamotu, Hao	3	29.7	25.7	27.7	..	31.5	24	24.1	17	..	..	..	..	..
Gambier, Rikitea	91	28.3	22.6	25.5	..	29.9	24	19.3	1	..	..	..	..	..
Tubuai	2	29.2	23.9	26.6	..	..	..	..	..	..	..	..	..	..
Rapa	1	27.1	22.4	24.8	..	..	..	19.4	10	..	..	..	..	..
Enderby Is AWS	39	14.3	9.4	11.9	..	16.9	15	4.3	7	83	19	..	24	19	
Campbell Island AWS	16	14.0	8.5	11.3	+1.7	17.5	3	4.3	18	86	21	-39	18	20	
Chatham Island Aero A	12	19.9	13.6	16.8	+1.1	23.4	31	6.6	16	21	11	-28	4	11	
Georg Von Neumayer	40	-1.9	-7.0	-4.5	..	1.0	22	-14.9	14	..	..	..	..	..
Ant South Pole	2827	-29.9	-32.7	-31.3	..	-21.5	2	-38.3	26	..	..	..	..	..
Halley Bay	30	-3.6	-9.0	-6.3	..	..	..	..	..	..	..	..	..	..
Gen Belgrano 2	256	1.0	-7.5	-3.3	..	5.1	30	-11.1	3	..	..	..	..	..
Bellingshausen	16	4.4	1.3	2.9	..	6.3	9	-0.9	4	..	..	..	..	..
Base Jubany	4	5.2	..	..	..	10.1	9	..	..	..	..	..	..	..
V C Marambio	198	4.5	-1.6	1.5	..	10.1	9	-5.7	31	..	..	..	..	..
Eduardo Frei	10	3.1	0.6	1.9	..	..	..	..	..	..	..	..	..	..
Arturo Prat		4.3	1.6	3.0	..	..	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	2.6	0.0	1.3	..	..	..	..	..	..	..	..	..	..
Palmer Station	8	4.3	1.1	2.7	..	..	..	..	..	..	..	..	..	..
Rothera Point	16	3.0	0.1	1.6	..	..	..	..	..	..	..	..	..	..
Argentine Is, Faraday	11	3.2	0.3	1.8	..	..	..	..	..	..	..	..	..	..
Gen San Martin	4	5.3	-0.4	2.5	..	9.0	2	-4.4	30	..	..	..	..	..
Novolax Arevskaja	99	1.6	-2.6	-0.5	..	6.2	25	-5.9	11	..	..	..	..	..
Maitri		2.7	-3.2	-0.3	..	..	..	..	..	..	..	..	..	..
Syowa	21	0.5	-4.7	-2.1	..	4.4	23	-10.2	21	..	..	..	..	..
Mawson	16	2.0	-4.2	-1.1	..	..	..	-6.3	27	..	..	..	..	..
Davis	13	2.0	-2.9	-0.5	..	..	..	-5.0	25	..	..	..	..	..
Progress	64	1.0	-3.3	-1.2	..	..	..	..	..	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine January 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		
Mirnyj	30	0.1	-5.7	-2.8	..	..	..	-11.4	24	..	..	..	..	..
Vostok	3420	-29.9	-39.9	-34.9	..	-22.7	9	..	..	..	..	..	..	..
Casey	41	2.2	-2.8	-0.3	..	..	..	-6.3	31	..	..	..	..	..
Wilkins Runway East	755	-3.1	-8.8	-6.0	..	..	..	..	..	..	..	..	..	..
Durmunt Durville	43	0.4	-5.3	-2.5	..	3.5	10	-9.5	21	..	..	..	..	..
Mcmurdo	24	-1.3	-6.2	-3.8	..	2.2	10	-12.8	24	..	..	..	..	..
Arrival Heights EWS	218	-3.1	-7.6	-5.4	..	1.1	11	-14.1	24	..	..	..	..	..
Scott Base EWS	20	-1.9	-8.3	-5.1	..	0.7	10	-13.2	24	..	..	..	..	..
Scott Base 2 EWS	43	-1.7	-8.2	-5.0	..	1.3	10	-13.0	24	..	..	..	..	..
Casey, Skiway South	392	1.6	-6.1	-2.3	..	9.6	12	..	..	..	..	..	..	..
Darwin Airport	31	31.5	14.9	23.2	..	..	..	..	..	..	..	..	..	..
Late returns and corrections for December 2022															
Turangi 2 EWS	360	22.4	10.6	16.5	+1.1	29.8	30	2.4	4	219	15	+88	38	10	..
Secretary Island AWS	19	19.9	12.5	16.2	+2.7	25.7	27	6.7	3
Akaroa EWS	45	21.3	12.0	16.7	+0.5	31.0	29	7.5	31	16	10	-45	6	1	238
Ettrick No.2	91	22.8	9.2	16.0	+1.1	31.2	28	1.5	1	73	14	+11	22	16	..
Tiwai Point EWS	5	17.6	11.1	14.4	+1.0	24.6	29	6.2	7
Balclutha, Telford Ew	11	18.9	9.5	14.2	+1.0	29.8	29	5.4	3	22	12	-23	8	16	151
Vanuatu,Pekoa	56	31.1	22.8	27.0	21.0	17	583	20	..	215	23	..
Vanuatu, Bauerfield	20	31.9	22.2	27.1	19.2	17	357	16	..	64	30	..
Vanuatu,Burtonfield	70	32.2	23.1	27.7
New Cal, Nouma	72	31.1	23.0	27.1	..	33.1	2	20.6	21	92	17	..	38	25	..
Tuamotu, Takaroa	2	30.8	25.1	28.0	..	31.6	28	22.7	1	14	20	..	3	8	..
Late returns and corrections for November 2022															
Secretary Island AWS	19	17.1	10.7	13.9	+2.1	6.4	27
Late returns and corrections for October 2022															
Stewart Is	3	14.4	5.6	10.0	+0.3	94	..	-53	14	27	..
Late returns and corrections for May 2022															
Pukekohe EWS	88	19.0	10.3	14.7	+1.2	22.4	3	3.6	12

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.