



Climate Database Statistics Report

December 2021

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 2021

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	21.9	16.8	19.4	+2.0	24.2	25	15.3	19	57	15	-19	39	14	..
Kaitaia Aero EWS	80	24.2	16.5	20.4	+2.6	28.2	25	11.4	20	64	9	-35	40	14	..
Kaitaia Aero AWS	77	24.6	16.4	20.5	..	..	..	..	..	..	..	..	..	..	..
Kaitaia EWS	85	23.9	16.8	20.4	+2.6	28.2	25	11.7	20	54	8	-60	33	14	173
Kerikeri EWS	79	24.4	15.8	20.1	+2.3	27.9	24	10.5	19	82	13	-25	48	14	..
Kerikeri Aerodrome Aw	149	24.0	15.7	19.9	+2.3	27.4	24	11.1	20	145	15	+22	52	14	..
Kaikohe AWS	204	23.1	15.8	19.5	+2.3	28.4	25	11.8	20	93	14	-16	41	14	..
Trounson CWS	244	23.3	15.3	19.3	..	27.1	27	8.7	20	68	16	-49	23	13	..
Dargaville 2 EWS	66	24.3	16.6	20.5	+2.8	29.1	26	10.9	20	52	11	-36	30	13	186
Purerua AWS	87	23.3	16.7	20.0	..	27.9	24	12.9	20	42	10	..	27	14	..
Russell CWS	15	23.8	15.5	19.7	..	27.5	24	9.1	19	65	14	..	38	14	..
Whangarei Aero AWS	38	25.1	17.3	21.2	+2.7	27.6	26	12.1	20	55	13	-42	27	14	..
Whangarei EWS	12	25.3	16.1	20.7	..	28.0	15	9.9	20	51	11	..	24	14	196
Mokohinau AWS	70	21.9	18.2	20.1	+1.8	24.5	26	16.2	20	..	..	..	..	..	..
Leigh 2 EWS	27	25.4	17.5	21.5	+3.4	27.8	11	13.4	19	84	14	+8	33	13	..
Warkworth EWS	72	24.2	15.6	19.9	+2.8	26.7	25	9.3	20	103	10	-10	38	13	..
Whangaparaoa AWS	100	24.0	17.2	20.6	+2.7	26.9	25	13.7	20	..	..	..	..	..	..
Auckland, Whenuapai A	26	24.2	16.5	20.4	+3.0	27.5	26	9.3	20	89	12	..	32	14	..
Auckland, North Shore	64	24.1	16.9	20.5	..	27.4	25	10.7	20	97	11	..	42	13	..
Auckland, Henderson N	7	25.7	16.5	21.1	+2.9	29.6	26	10.1	20	90	11	-14	37	13	..
Auckland, Motat EWS	16	24.4	17.4	20.9	..	27.6	25	10.4	20	92	9	..	40	13	237
Waiheke Island, Awaro	34	24.5	17.7	21.1	..	27.2	9	10.2	..	76	7	-28	27	14	..
Whitianga Aero AWS	5	24.1	16.5	20.3	+2.6	28.2	24	10.7	20	99	14	-30	37	14	..
Whitianga EWS	1	25.1	16.4	20.8	..	29.9	24	11.2	20	92	13	..	40	14	..
Thames 2	3	24.7	16.1	20.4	+2.3	27.3	23	11.1	20	47	11	-34	20	12	..
Paeroa AWS	19	25.5	15.3	20.4	+2.4	29.4	25	9.7	20	..	..	..	..	..	..
Matamata, Hinuera EWS	85	24.8	14.5	19.7	+3.1	28.7	24	8.4	20	66	11	..	20	14	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	229
Tauranga Aero AWS	5	24.5	17.2	20.9	+2.9	30.5	24	12.6	19	116	11	+21	55	14	256
Te Puke EWS	123	24.6	15.8	20.2	+3.2	32.2	24	10.8	20	180	10	+41	95	14	..
Whakatane Aero AWS	8	24.6	16.4	20.5	+3.0	29.5	24	10.9	19	125	12	+30	79	14	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	240
Whakatane EWS	1	24.6	16.2	20.4	..	29.4	24	10.4	19	142	10	..	92	14	..
Mamaku Radar WXT AW617	19.3	13.1	16.2	..	..	..	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	26.6	16.0	21.3	..	33.4	24	9.9	21	..	..	..	..	..	204
Rotorua EWS	288	23.5	14.3	18.9	..	30.4	23	7.1	19	125	12	..	41	14	240
Rotorua Aero AWS	286	22.5	13.9	18.2	+2.0	28.9	23	6.6	19	188	14	+70	70	14	..
Galatea AWS	175	24.3	14.7	19.5	..	32.6	24	8.7	18	104	10	..	40	14	..
Taupo CWS	360	24.6	13.6	19.1	..	30.8	24	8.6	19	..	..	..	..	..	..
Tarapounamu EWS	701	19.6	9.8	14.7	..	27.3	24	5.8	19	136	14	..	52	14	..
Taupo AWS	402	22.8	13.8	18.3	+2.8	27.4	25	7.0	31	103	12	+9	25	14	..
Motu EWS	488	22.3	12.9	17.6	+3.3	26.6	23	5.6	3	125	13	-60	58	14	..
Auckland, Mangere 2 E	16	24.1	17.9	21.0	..	27.7	10	11.6	20	..	..	..	..	..	213
Auckland Aero	7	24.3	17.6	21.0	+2.7	27.6	11	12.0	20	..	..	..	..	..	..
Auckland Aero Backup	7	24.2	17.7	21.0	..	..	..	12.2	20	98	10	..	32	13	..
Ardmore Aero AWS	41	24.4	16.0	20.2	..	..	..	..	..	..	..	..	..	..	..
Pukekohe EWS	88	24.2	16.2	20.2	+3.1	28.5	10	10.3	20	96	11	-2	37	13	..
Firth Of Thames EWS	3	25.0	15.5	20.3	..	27.5	10	8.9	20	70	10	..	40	12	212
Whatawhata 2 EWS	118	23.6	14.9	19.3	+2.5	28.4	25	11.5	20	143	13	+20	47	13	..
Hamilton, Ruakura 2 E	45	24.6	14.8	19.7	+2.7	29.6	25	9.1	20	73	8	-25	34	13	..
Hamilton AWS	53	24.3	14.3	19.3	+2.4	29.0	25	8.4	20	78	9	-27	27	13	..
Lake Karapiro CWS	55	25.1	16.4	20.8	..	30.5	25	11.9	20	59	10	..	20	28	..
Port Taharoa AWS	18	23.0	17.4	20.2	+2.5	25.7	5	13.9	25	133	15	..	52	13	..
Awakino EWS	400	20.1	13.6	16.9	..	24.8	25	10.7	30	176	18	..	29	13	75
Waikeria EWS	37	24.7	14.3	19.5	..	28.6	25	8.8	31	74	12	..	17	13	205
Te Kuiti EWS	61	24.7	13.7	19.2	+2.3	29.4	25	8.5	26	89	11	-51	31	12	185
Pureora Forest CWS	549	20.7	12.0	16.4	..	25.6	25	6.6	26	83	15	..	18	14	..
Taumarunui EWS	170	24.3	13.3	18.8	..	29.5	25	7.1	19	175	16	..	39	15	..
Taumarunui AWS	186	24.8	13.4	19.1	..	29.9	25	6.9	19	126	17	..	20	15	172
Turangi 2 EWS	360	23.6	12.9	18.3	+2.7	30.2	24	5.0	19	223	13	+86	39	14	215
New Plymouth AWS	28	22.1	15.5	18.8	+2.6	26.1	25	9.5	30	268	18	+147	43	13	219
Lower Retaruke CWS	233	23.8	13.2	18.5	..	28.9	25	7.6	19	143	16	-6	33	6	..
Mt Ruapehu, Chateau E 1097	18.2	8.4	13.3	+2.7	25.0	23	1.1	19	248	17	-20	58	6	..	

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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		
Pahiatua EWS	110	21.8	14.1	18.0	..	25.8	5	8.6	30	204	14	..	49	6	..
Masterton Aero AWS	105	22.7	12.8	17.8	..	27.9	23	7.4	18	178	16	..	40	13	..
Masterton EWS	90	23.3	12.9	18.1	..	28.6	23	7.5	18	185	13	..	37	13	196
Masterton, Te Ore Ore	110	23.8	13.3	18.6	..	28.9	26	8.0	18	177	13	+109	59	13	..
Takapau Plains AWS	346	22.0	12.9	17.5	+2.1	27.2	11	8.2	19	156	14	..	34	14	..
Daneverke EWS	207	22.4	14.0	18.2	..	28.0	11	9.5	19	160	14	..	37	28	166
Cape Turnagain AWS	285	19.0	14.0	16.5	..	24.5	11	10.7	13	96	14	..	21	14	..
Akitio EWS	245	19.9	13.7	16.8	..	25.4	11	10.8	26	143	15	..	39	28	212
Castlepoint AWS	120	20.6	14.5	17.6	+1.2	25.4	5	11.8	13	125	13	+69	22	13	..
Baring Head	79	19.8	13.8	16.8	..	25.4	15	10.2	18	121	28	..	32	6	..
Te Wharau, Brackenfie	292	21.8	12.4	17.1	..	..	..	..	..	..	..	..	..	..	..
Martinborough EWS	20	22.6	14.1	18.4	+2.0	27.5	23	8.6	18	163	12	..	34	6	148
Ngawi AWS	8	22.1	15.3	18.7	+1.4	26.0	27	11.3	12	151	14	..	41	6	..
Hicks Bay AWS	46	22.8	17.2	20.0	+2.8	26.3	24	12.1	19	143	12	+44	62	14	..
Gisborne AWS	5	24.8	15.8	20.3	+2.2	30.5	27	10.6	19	92	9	+35	44	12	200
Gisborne EWS	12	26.0	15.9	21.0	..	31.3	27	10.9	19	74	11	..	29	12	..
Tolaga Bay WXT AWS	15	22.9	15.9	19.4	..	30.1	20	10.8	19	107	11	..	39	12	..
Napier Aero AWS	3	24.6	15.2	19.9	+2.2	30.6	21	11.3	31	136	12	+77	37	14	..
Napier EWS	7	25.2	15.9	20.6	..	31.5	21	12.1	31	105	11	..	31	14	266
Maraekakaho CWS	150	24.9	13.8	19.4	..	31.4	11	8.6	31	89	12	..	37	14	..
Hastings AWS	16	25.5	14.7	20.1	..	32.4	11	..	..	..	..	..	..	..	..
Whakatu EWS	5	24.8	13.8	19.3	+2.6	31.3	21	8.3	19	92	11	..	32	14	..
Waipawa EWS	130	25.9	12.6	19.3	..	30.6	28	7.7	19	87	14	..	22	14	179
Wairoa, North Clyde E	15	26.8	15.4	21.1	+3.0	31.8	20	10.7	3	87	10	+18	34	12	..
Wairoa Aero AWS	13	25.3	14.8	20.1	..	30.4	27	9.2	18	70	8	..	28	12	..
Mahia Radar WXT AWS	419	20.6	14.8	17.7	..	..	..	..	..	..	..	..	..	..	..
Mahia AWS	136	22.3	16.3	19.3	+2.4	27.2	20	..	..	97	12	+28	45	12	..
Cape Kidnappers WXT A	113	21.6	16.5	19.1	..	28.2	21	13.0	13	..	..	..	..	..	..
Paraparaumu Aero	5	21.5	15.3	18.4	+2.4	..	..	..	..	..	..	..	..	..	..
Paraparaumu Aero AWS	8	21.3	15.4	18.4	+2.4	27.5	15	9.2	2	329	19	+244	80	6	198
Paraparaumu EWS	5	20.9	14.7	17.8	..	27.1	15	8.6	2	295	17	+217	72	6	188
Ohakea AWS	47	22.1	15.1	18.6	..	26.6	15	10.8	26	181	14	..	37	13	..
Palmerston North AWS	39	22.3	14.7	18.5	+2.1	26.7	11	10.2	26	235	18	+139	61	13	..
Palmerston North EWS	21	22.5	14.9	18.7	+2.3	26.6	11	10.4	26	228	14	+138	50	7	142
Levin AWS	15	22.0	15.4	18.7	+2.6	28.8	15	10.3	2	283	20	+181	63	7	..
Levin EWS	23	22.2	14.7	18.5	..	28.6	15	9.2	30	243	19	..	55	7	177
Mana Island AWS	110	18.8	14.4	16.6	..	23.6	15	11.0	13	227	14	..	54	5	..
Porirua, Elsdon Park	7	20.5	14.8	17.7	..	26.5	15	8.5	18	229	16	..	63	5	176
Wellington, Kelburn A	125	19.7	13.8	16.8	+1.4	26.2	15	10.5	12	232	15	+149	73	6	185
Wellington Aero	4	21.0	14.8	17.9	+1.4	26.1	15	10.4	18	207	14	+142	76	6	..
Wellington, Greta Poi	3	21.4	14.6	18.0	..	29.2	15	11.0	2	238	12	..	93	6	..
Wellington Aero Backu	4	21.0	14.8	17.9	..	25.8	15	10.5	18	207	22	..	77	6	..
Upper Hutt, Trentham	50	21.3	14.0	17.7	..	25.6	15	7.4	18	246	16	..	58	6	185
Stratford EWS	280	21.4	12.7	17.1	+2.7	25.3	23	6.9	19	329	14	+164	79	28	177
Hawera AWS	100	21.3	14.8	18.1	+2.8	24.8	15	11.3	20	235	20	+143	43	28	..
Ohakune EWS	607	21.4	11.7	16.6	+2.6	25.4	23	6.2	26	83	14	-39	19	11	..
Waiouru Treatment Pla	806	20.4	8.2	14.3	+1.7	24.2	24	0.5	19	77	14	-13	15	12	..
Waiouru Airstrip AWS	820	19.9	9.9	14.9	..	23.8	27	5.0	26	77	16	..	13	12	..
Waiouru EWS	803	20.4	10.5	15.5	..	24.1	24	5.6	19	81	17	..	14	6	..
Flat Hills WXT AWS	262	22.4	14.3	18.4	..	26.1	15	10.3	20	170	14	+74	49	13	..
Whanganui, Spriggens	15	23.3	15.8	19.6	+2.7	29.7	15	12.2	25	192	15	+106	43	28	..
Wanganui AWS	14	22.9	15.9	19.4	+2.8	..	..	..	..	182	14	+90	49	28	..
Wanganui 2 AWS	18	24.4	15.6	20.0	..	30.0	11	13.0	13	..	..	..	..	..	..
Takaka EWS	20	23.2	12.2	17.7	+1.7	29.1	23	5.4	8	228	16	+60	47	14	212
Farewell Spit AWS	3	22.9	15.1	19.0	+2.7	26.6	31	12.5	19	233	16	+144	78	14	..
Westport Aero AWS	5	19.6	13.7	16.7	+1.7	27.3	15	9.5	8	250	23	+60	47	3	..
Westport EWS	6	20.1	14.4	17.3	..	27.0	15	9.6	8	215	23	..	41	3	181
Arapito EWS	3	21.1	13.9	17.5	..	28.0	15	9.1	8	316	22	..	112	9	173
Hokitika Aero	39	20.0	12.6	16.3	+1.9	24.8	15	8.8	31	370	20	+73	71	10	152
Hokitika AWS	40	20.0	12.6	16.3	+1.9	25.3	15	8.7	31	364	22	+63	89	10	191
Hokitika EWS	39	20.1	12.5	16.3	..	25.0	15	8.5	19	347	20	..	89	10	..
Reefton EWS	198	21.3	12.4	16.9	+1.5	27.1	2	9.1	8	152	23	-37	20	5	146
Greymouth Aero EWS	5	20.1	12.9	16.5	..	25.2	15	9.4	19	270	22	..	64	27	156

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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		
Pigeon Creek CWS	105	19.7	12.3	16.0	..	24.8	2	7.5	19	494	21	..	99	27	..
Mt Philistine EWS	1655	9.1	3.8	6.5	..	14.4	1	0.3	18	..	..	..	..	..	..
Mahanga EWS	1995	9.0	3.0	6.0	..	13.3	24	-2.2	18	462	25	..	115	11	..
Ivory Glacier CWS	1390	10.3	5.0	7.7	..	15.4	2	0.9	18	1198	25	..	266	4	..
Okarito EWS	1	19.9	12.1	16.0	..	23.1	2	7.4	24	452	19	..	104	3	..
Franz Josef EWS	80	20.0	11.6	15.8	+2.0	24.7	14	7.1	24	629	22	..	165	4	150
Haast AWS	1	18.6	11.6	15.1	+1.7	22.5	16	6.3	18	426	20	..	107	4	..
Milford Sound AWS	3	19.3	11.5	15.4	+1.6	26.9	14	6.8	28	649	20	..	156	20	..
Milford Sound EWS	3	18.8	11.3	15.1	..	26.9	14	6.7	28	676	21	..	167	20	..
Castle Mount EWS	2000	6.0	0.5	3.3	..	12.3	1	-4.3	6	1151	28	..	411	20	..
Secretary Island AWS	19	..	11.7	..	..	26.0	14	..	..	..	..	..	..	..	..
Puysegur Point AWS	45	16.4	11.3	13.9	+1.4	21.0	4	7.3	6	234	20	+27	49	19	..
Stephens Island AWS	188	18.2	13.7	16.0	..	..	..	10.6	7	..	..	..	..	..	..
Pelorus Sd, Crail Bay	13	21.2	14.8	18.0	+1.6	26.0	22	10.5	26	241	18	+82	48	11	..
Nelson Aero	2	22.2	14.9	18.6	+2.3	26.8	22	10.9	18	96	14	+12	24	14	192
Appleby 2 EWS	18	22.3	12.9	17.6	+1.6	26.6	19	6.4	26	118	14	..	31	14	191
Richmond EWS	1	22.6	14.4	18.5	..	27.0	22	9.6	2	109	14	..	25	15	220
Nelson AWS	6	22.0	15.3	18.7	+2.1	26.1	22	10.9	19	110	16	..	26	14	..
Blenheim Research EWS	4	22.9	14.3	18.6	+1.9	29.4	19	9.5	26	..	..	..	..	..	202
Blenheim Aero AWS	36	23.4	13.4	18.4	+1.8	..	..	7.8	26	91	13	+33	24	6	..
Brothers Island AWS	68	18.3	14.3	16.3	+1.0	..	..	..	..	..	..	..	..	..	..
Grassmere Salt Works	2	21.6	15.5	18.6	+1.6	..	..	..	..	82	9	+39	20	14	..
Cape Campbell AWS	6	18.5	14.3	16.4	+1.0	24.2	22	10.8	7	..	..	..	..	..	..
Hanmer Forest EWS	363	22.3	10.1	16.2	+1.8	29.5	27	4.4	26	121	10	+47	36	14	..
Kaikoura, Middle Cree	5	20.1	11.9	16.0	..	28.4	5	6.6	26	196	19	..	57	14	..
Kaikoura AWS	108	19.5	13.1	16.3	+0.9	..	..	9.5	7	200	16	+153	67	14	..
Arthurs Pass	745	16.4	9.3	12.9	+1.5	23.4	1	4.8	8	363	18	-145	90	27	..
Arthurs Pass EWS	745	16.3	9.1	12.7	+1.2	23.3	1	4.5	8	435	19	-173	92	5	..
Arthurs Pass AWS	743	16.0	9.1	12.6	..	22.4	1	4.9	8	484	20	..	100	5	..
Culverden AWS	181	20.7	12.2	16.5	..	26.4	5	6.7	26	101	15	..	25	15	..
Medbury CWS	232	20.3	11.5	15.9	..	26.0	26	6.3	18	89	16	..	27	15	..
Balmoral East CWS	172	20.7	11.5	16.1	..	26.1	9	4.3	26	96	20	..	16	15	..
Waipara North Branch	560	18.5	10.7	14.6	..	23.8	26	5.1	18	15	11	..	4	15	..
Waiiau School CWS	136	22.2	12.4	17.3	..	28.5	5	7.3	26	153	14	..	49	11	..
Cheviot EWS	75	20.9	12.0	16.5	..	29.3	5	6.1	26	122	8	..	48	15	174
Upper Rakaia EWS	1752	9.3	3.1	6.2	..	14.3	8	-1.6	7	312	22	..	64	5	..
Mt Potts EWS	2128	8.1	1.3	4.7	..	12.3	31	-4.7	6	319	21	..	86	20	..
Mt Cook EWS	730	18.0	9.2	13.6	+0.9	23.1	9	4.1	6	418	19	-79	93	4	150
Mueller Hut EWS	1818	8.7	2.8	5.8	..	13.9	1	-2.4	6	803	24	..	166	4	..
Mt Cook Aero AWS	656	18.4	9.4	13.9	..	23.1	8	1.8	8	223	19	..	46	5	..
Cass EWS	571	19.7	10.0	14.9	..	24.0	13	2.8	8	119	17	..	33	27	..
Mt Somers, Somer Down	372	18.7	10.4	14.6	..	..	..	4.8	18	..	..	..	..	..	..
Methven CWS	313	18.9	10.9	14.9	..	28.2	22	5.6	18	148	18	..	49	15	..
Winchmore 2 EWS	164	19.4	10.9	15.2	..	28.3	22	6.8	13	139	14	..	53	15	162
Chertsey CWS	108	19.2	11.5	15.4	..	28.0	22	7.2	13	122	13	..	57	15	..
Mayfield at Ruapuna F	325	18.5	10.2	14.4	..	26.8	26	5.2	18	181	21	..	44	15	..
Peel Forest	286	18.7	10.0	14.4	+0.5	28.4	22	4.9	18	194	29	+73	42	15	..
Lismore, Racemans Hou	168	19.2	10.8	15.0	..	27.5	26	5.9	18	128	15	..	43	15	..
Ashburton Council	101	21.8	11.3	16.6	+0.9	..	..	6.8	26	..	..	..	..	..	..
Ashburton Aero AWS	88	20.0	11.3	15.7	..	30.0	22	5.8	13	143	13	..	56	15	165
Waipara West EWS	130	20.7	12.1	16.4	..	27.9	26	6.8	18	148	16	..	56	15	140
Ohoka CWS	..	19.8	11.8	15.8	..	28.4	22	5.8	26	111	16	..	61	15	..
Rangiora EWS	23	20.7	12.2	16.5	+1.1	29.4	22	7.8	18	150	15	..	83	15	171
Christchurch Aero	37	20.4	12.0	16.2	+0.4	29.8	22	7.1	1	130	16	+83	61	15	167
Christchurch Aero Bac	37	20.3	11.9	16.1	..	29.8	22	7.0	1	128	15	..	59	15	..
Christchurch, Kyle St	6	21.0	12.6	16.8	+0.7	31.4	22	8.0	1	125	16	..	66	15	..
Christchurch Botanic	17	21.0	12.4	16.7	..	30.5	22	8.1	1	146	16	..	76	15	..
Bromley EWS	3	20.3	12.8	16.6	..	30.0	22	8.1	1	141	15	..	78	15	187
Lincoln, Broadfield E	18	20.1	12.2	16.2	+0.8	28.9	5	7.3	1	112	15	+59	58	15	..
Sugar Loaf AWS	496	17.2	10.4	13.8	..	25.5	22	5.5	6	..	..	..	..	..	..
Diamond Harbour EWS	122	19.4	12.4	15.9	..	28.5	22	8.0	18	129	12	..	77	15	182
Akaroa EWS	45	21.3	11.7	16.5	+0.5	29.8	19	6.9	6	138	11	+75	79	15	170
Le Bons Bay AWS	238	17.2	11.3	14.3	+0.6	23.7	22	7.6	6	169	15	..	113	15	..

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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		
Lake Tekapo, Air Safa	762	19.4	8.8	14.1	+0.9	
Lake Tekapo EWS	762	19.6	8.4	14.0	+0.9	25.6	20	2.1	18	62	12	..	16	5	207
Fairlie AWS	403	18.0	9.8	13.9	..	26.4	20	4.6	18	82	21	..	23	5	..
Pukaki Aerodrome AWS	461	20.9	9.3	15.1	..	25.9	4	2.1	18	104	14	..	30	5	..
Hakataramea Valley Cw	355	20.1	10.3	15.2	..	27.2	26	4.4	18	81	12	..	30	5	..
Orari Estate	81	19.8	10.8	15.3	+0.5	29.0	26	5.9	18	122	18	+59	33	15	..
Orari Estate EWS	81	19.9	10.7	15.3	..	29.4	22	5.6	18	114	16	..	31	15	..
Timaru Aero AWS	27	19.3	11.0	15.2	+0.8	29.0	20	6.1	18	107	16	+55	23	17	..
Timaru EWS	17	19.3	11.8	15.6	+0.9	29.7	20	8.0	18	102	15	+44	30	15	..
Otaio @ Springbank ro	14	18.5	11.7	15.1	..	30.3	20	6.8	18	105	14	..	22	15	..
Waimate CWS	39	18.9	11.8	15.4	..	29.6	22	..	..	102	18	..	17	15	..
Oamaru Airport AWS	30	18.3	11.2	14.8	+0.9	27.2	22	6.8	18	80	15	+24	17	15	..
Albert Burn	1280	12.7	5.3	9.0	..	19.2	1	-0.2	18	281	22	..	68	20	..
Eglinton, Knobs Flat	365	19.0	9.0	14.0	..	26.0	1	3.6	25	178	20	..	49	20	..
Tara Hills AWS	485	19.9	9.8	14.9	+0.5	24.5	20	3.1	18	78	18	+16	13	5	..
Wanaka CWS	331	20.8	11.6	16.2	..	26.2	1	6.1	7	77	15	..	16	16	..
Wanaka Aero AWS	352	21.8	11.3	16.6	+1.3	26.0	1	6.2	18	68	10	+2	25	16	..
Windsor EWS	81	19.8	10.8	15.3	+1.1	30.7	20	6.5	18	82	18	+10	17	5	..
Ranfurly EWS	450	19.9	8.6	14.3	+0.9	25.9	3	3.4	7	66	13	+4	23	5	..
Palmerston	21	18.8	9.8	14.3	+0.6	29.3	20	4.3	12	93	19	+30	30	5	..
Middlemarch EWS	213	20.6	9.9	15.3	+1.1	27.8	26	1.7	12	82	17	..	30	27	126
Swampy Summit AWS	716	14.2	6.3	10.3	..	23.0	26	1.6	12	..	..	..	..	..	..
Dunedin Aero AWS	2	19.7	9.6	14.7	+0.8	27.7	26	4.8	25	85	18	+13	20	3	..
Dunedin, Musselburgh	4	18.7	11.7	15.2	+1.4	29.5	20	8.6	25	62	16	-18	13	27	205
Oamaru EWS	20	18.0	11.2	14.6	..	26.4	20	6.0	18	91	16	..	16	5	160
Murchison Mtns EWS	1140	12.0	5.2	8.6	..	19.4	1	-0.3	12	327	23	..	84	20	..
Te Anau At Park HQ Cw	204	19.2	9.9	14.6	..	25.0	3	3.6	7	..	..	..	..	..	..
Manapouri, West Arm J	178	18.4	9.5	14.0	+1.3	24.7	1	4.5	25	399	20	..	105	20	..
Manapouri Aero AWS	209	19.8	8.1	14.0	+1.0	25.1	2	1.6	7	87	15	-18	25	5	..
Birchwood WXT AWS	149	18.6	10.0	14.3	..	25.4	4	4.6	7	56	14	..	17	5	..
Queenstown Aero AWS	357	20.4	10.0	15.2	+1.1	24.9	1	6.5	6	76	14	+0	13	5	200
Five Rivers CWS	260	19.3	9.4	14.4	..	24.4	26	2.0	25	96	15	..	29	5	..
Lumsden AWS	194	19.5	9.3	14.4	+1.1	25.4	26	2.4	7	94	15	..	27	5	..
Waipounamu CWS	152	20.1	9.3	14.7	..	26.8	26	2.1	25	62	12	..	19	5	..
Cromwell EWS	213	23.2	10.5	16.9	+0.8	27.7	2	5.8	7	59	11	..	21	5	224
Lauder EWS	375	21.0	9.4	15.2	+0.7	25.8	26	3.3	7	72	14	+11	20	5	..
Ophir 2	305	21.1	8.8	15.0	..	25.4	2	1.7	18	66	16	..	17	27	..
Alexandra	150	23.6	10.7	17.2	+0.8	29.0	26	4.1	7	52	12	..	9	5	208
Clyde 2 EWS	170	22.6	9.9	16.3	..	29.1	26	3.5	7	55	13	..	14	5	..
Alexandra AWS	231	22.1	10.3	16.2	..	28.1	26	3.6	7	63	12	..	12	5	..
Alexandra EWS	132	22.7	10.6	16.7	..	29.0	26	4.1	7	42	12	..	9	5	205
Roxburgh WXT AWS	160	20.8	10.5	15.7	..	27.5	26	6.8	12	54	16	..	16	5	..
Ettrick No.2	91	22.3	9.1	15.7	+1.1	29.0	26	5.5	22	55	10	-11	20	5	..
Tapanui EWS	180	20.7	8.8	14.8	..	27.1	26	3.1	25	67	16	..	20	5	..
Gore AWS	123	19.3	10.0	14.7	+1.6	25.7	26	4.9	25	57	18	-43	11	5	..
Gore EWS	60	19.7	9.7	14.7	..	26.0	26	2.8	25	57	15	..	10	5	200
Invercargill Aero	1	19.0	9.3	14.2	+1.2	..	..	..	..	..	..	..	..	..	..
Invercargill Aero AWS	3	19.6	9.4	14.5	+1.5	26.8	26	3.4	25	54	17	..	12	5	..
Invercargill Aero 2 E		19.6	7.7	13.7	..	27.7	20	0.1	25	45	13	..	9	5	218
Tiwai Point EWS	5	17.8	10.7	14.3	+1.0	24.5	4	5.7	25	48	15	-47	11	22	..
Stewart Island EWS	3	18.0	9.7	13.9	..	24.9	19	3.7	6	81	17	..	16	20	..
Balclutha, Finegand	6	20.5	10.1	15.3	+1.4	..	..	6.3	13	72	11	+2	30	3	..
Balclutha, Telford Ew	11	19.7	9.0	14.4	..	27.2	19	1.1	25	..	..	..	..	..	142
Nugget Point AWS	131	17.5	10.3	13.9	+1.1	27.4	19	7.5	25	49	17	-34	12	3	..
Tautuku	25	18.4	9.3	13.9	+1.1	..	..	..	..	..	..	..	..	..	..
South West Cape AWS	103	16.2	10.1	13.2	+1.1	22.4	4	7.3	31	..	..	..	..	..	..
Kiribati, Cassidy Chri	3	30.0	24.9	27.5	..	30.9	14	23.8	27	..	..	..	..	..	..
Solomon, Taro Is	3	32.4	..	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Munda	6	..	24.6	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	31.6	24.6	28.1	..	..	..	..	..	..	..	..	..	..	..
Solomon, Henderson	9	31.4	24.1	27.8	..	33.0	26
Solomon, Santa Cruz	24	..	24.1
Vanuatu, Sola	13	..	24.4

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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	Hrs		
Vanuatu,Pekoa	56	31.0	23.4	27.2	20.9	1	265	24	..	68	11	..
Vanuatu, Bauerfield	20	30.7	22.8	26.8	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	31.0	23.4	27.2	..	..	..	..	..	..	..	..	..	..	..
New Cal, Oulop	7	30.6	24.6	27.6	..	..	..	..	..	..	..	..	..	..	..
New Cal, Ouanaham	29	29.9	23.8	26.9	..	..	32.4	29	20.1	16	..	..	..	..	..
New Cal, La Roche	42	29.7	22.1	25.9	..	..	31.8	30	16.6	16	..	..	..	..	..
New Cal, La Tontouta	14	31.4	22.0	26.7	..	..	35.7	10	16.9	17	..	..	..	..	..
New Cal, Nouma	72	31.0	23.5	27.3	..	..	35.0	11	20.1	17	..	..	..	..	..
New Cal, Moue	97	28.6	22.6	25.6	..	..	30.4	9	18.1	17	..	..	..	..	..
Kiribati,Butaritari	2	31.9	24.9	28.4	..	..	..	..	23.5	16	..	..	..	..	..
Kiribati,Tarawa	2	..	26.1	..	..	..	..	..	..	..	..	..	..	..	..
Kiribati,Beru	2	..	26.2	..	..	..	..	24.6	30	..	..	..	..	..	..
Kiribati,Arorae	7	31.7	26.4	29.1	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	..	25.7	..	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	31.4	26.5	29.0	..	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	32.3	25.2	28.8	..	..	..	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	31.2	23.8	27.5	..	..	33.0	20	22.5	1	..	..	..	..	..
Fiji,Nausori Aero	6	31.1	23.5	27.3	..	..	33.6	29	21.8	1	..	..	..	..	..
Wallis Island, Hihifo	27	30.7	24.9	27.8	..	..	31.5	6	22.7	5	..	..	..	..	..
Samoa,Faleolo	4	31.8	22.9	27.4	..	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	29.9	23.8	26.9	..	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	30.6	25.4	28.0	..	..	32.2	8	23.5	30	175	24	..	54	16
Tonga, Queen Lavinia	60	30.4	24.6	27.5	..	..	..	..	..	..	..	..	..	..	..
Tonga,Keppel	2	30.9	24.4	27.7	..	..	..	..	22.5	4	..	..	..	..	..
Tonga, Lupepauu	67	29.6	22.9	26.3	..	..	..	..	19.8	11	..	..	..	..	..
Salote Pilolevu Airpo	2	29.5	24.4	27.0	..	..	..	..	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	30.4	23.4	26.9	..	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	28.7	22.5	25.6	..	..	..	..	20.4	13	..	..	..	..	..
Hiva Hoa, Atuona	51	31.2	23.4	27.3	..	..	33.9	18	21.8	9	15	15	..	3	7
Society Is, Mopelia		30.1	24.6	27.4	..	..	31.5	23	21.8	2	..	..	..	..	..
Tahiti - Faaa	1	30.7	24.1	27.4	..	..	32.5	24	21.9	29	85	18	..	56	27
Tuamotu, Takaroa	2	30.8	24.7	27.8	..	..	31.9	22	21.8	27	75	20	..	43	26
Tuamotu, Hao	3	29.0	25.1	27.1	..	..	..	..	..	..	..	..	..	..	..
Gambier, Rikitea	91	27.3	22.3	24.8	..	..	28.9	1	19.6	19	245	20	..	56	18
Tubuai	2	28.3	22.6	25.5	..	..	..	..	20.5	17	..	..	..	..	..
Rapa	1	25.2	21.0	23.1	..	..	..	..	18.4	29	..	..	..	..	..
Raoul Island AWS	50	25.0	20.7	22.9	..	..	27.5	28	17.2	1	258	18	..	124	16
Chatham Island Aero A	12	20.1	13.3	16.7	..	..	24.6	23	8.9	30	66	17	..	24	15
Georg Von Neumayer	40	-2.3	-9.9	-6.1	..	..	0.9	16	-18.2	9	..	..	..	..	..
Ant South Pole	2827	-24.1	-28.2	-26.2	..	..	-17.8	22	-37.4	5	..	..	..	..	..
Halley Bay	30	-3.3	-6.8	-5.1	..	..	..	..	..	..	..	..	..	..	..
Gen Belgrano 2	256	0.3	-6.3	-3.0	..	..	6.0	19	-11.1	8	..	..	..	..	..
Bellingshausen	16	2.6	0.3	1.5	..	..	3.5	17	-1.2	1	..	..	..	..	..
Base Jubany	4	3.4	0.0	1.7	..	..	6.3	17	-2.1	1	..	..	..	..	..
V C Marambio	198	5.3	-0.9	2.2	..	..	11.0	18	-5.5	1	..	..	..	..	..
Eduardo Frei	10	1.4	-0.4	0.5	..	..	..	..	-2.1	1	..	..	..	..	..
Arturo Prat		3.2	0.3	1.8	..	..	..	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	1.6	-0.4	0.6	..	..	3.6	7	..	..	..	..	..	..	..
Palmer Station	8	1.9	-0.5	0.7	..	..	..	..	..	..	..	..	..	..	..
Rothera Point	16	1.6	-1.2	0.2	..	..	4.9	8	-2.7	17	..	..	..	..	..
Argentine Is, Faraday	11	1.6	-1.5	0.1	..	..	..	..	..	..	..	..	..	..	..
Gen San Martin	4	3.8	-4.5	-0.4	..	..	..	..	..	..	..	..	..	..	..
Novolax Arevskaja	99	0.5	-4.9	-2.2	..	..	3.0	18	-12.7	1	..	..	..	..	..
Syowa	21	1.1	-5.5	-2.2	..	..	6.9	19	-14.3	1	..	..	..	..	..
Mawson	16	2.7	-3.6	-0.5	..	..	..	..	-8.6	1	..	..	..	..	..
Davis	13	2.8	-2.0	0.4	..	..	..	..	-4.8	1	..	..	..	..	..
Progress	64	2.4	-1.5	0.5	..	..	7.2	18	..	..	..	..	..	..	..
Mirnyj	30	-0.1	-4.2	-2.2	..	..	3.9	10	-8.7	28	..	..	..	..	..
Vostok	3420	-24.3	-34.1	-29.2	..	..	..	..	..	..	..	..	..	..	..
Casey	41	1.8	-3.1	-0.7	..	..	..	..	-6.1	7	..	..	..	..	..
Durmunt Durville	43	2.8	-3.5	-0.4	7.7	13	-7.5	5
Mcmurdo	24	0.7	-4.9	-2.1	5.1	19	-9.2	5
Arrival Heights EWS	218	-0.9	-5.9	-3.4	4.0	20

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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	mm	
Scott Base EWS	20	0.2	-5.6	-2.7	..	4.4	21	-9.7	2
Scott Base 2 EWS	43	0.3	-5.7	-2.7	..	4.8	21	-9.6	5	..	..	..	..	..	..
Casey, Skiway South	392	1.7	-6.8	-2.6	..	..	..	..	..	..	..	..	..	..	..
Darwin Airport	31	32.6	20.7	26.7	..	36.5	19	17.2	1	..	..	..	..	..	..
Hobart Airport	4	32.6	10.7	21.7	..	36.5	19	5.3	8	..	..	..	..	..	..
Late returns and corrections for November 2021															
Auckland, Henderson N	7	23.8	12.9	18.4	+2.2	26.9	29	6.4	2	51	13	-44	18	12	..
Paeroa AWS	19	23.3	12.7	18.0	+2.2	27.3	29	..	..	..	..	..	..	..	..
Taupo AWS	402	20.5	10.4	15.5	+2.4	24.7	29	5.6	2	16	9	-52	9	13	..
Auckland, Mangere 2 E	16	22.0	14.1	18.1	..	24.6	30	7.8	2	28	10	..	10	13	222
Auckland Aero Backup	7	21.9	14.4	18.2	..	24.7	12	8.3	2	..	..	..	..	..	..
Hamilton, Ruakura 2 E	45	23.1	12.0	17.6	+2.7	25.9	29	5.4	2	72	13	-11	40	13	198
Gisborne EWS	12	23.1	13.5	18.3	..	28.1	30	8.2	2	197	9	..	74	3	..
Hastings AWS	16	22.2	12.5	17.4	..	31.7	14	..	..	..	..	..	..	..	..
Taihape Rec	433	21.8	9.8	15.8	+2.8	..	..	..	..	..	..	..	..	..	..
Mt Philistine EWS	1655	8.6	2.4	5.5	..	15.4	29	-2.8	3	..	..	..	..	..	..
Boyle River Lodge	600	20.2	7.1	13.7	+2.2	..	..	1.5	25	279	20	+97	71	27	..
Hanmer Forest EWS	363	21.9	6.9	14.4	+2.3	29.9	29	0.4	18	60	11	-34	31	27	..
Mt Somers, Somer Down	372	18.5	8.0	13.3	..	26.8	12	0.0	4	115	15	..	44	27	..
Ashburton Council	101	20.1	9.8	15.0	+1.4	..	..	1.4	4	..	..	..	..	..	..
Ashburton Aero AWS	88	18.8	8.8	13.8	..	28.2	12	..	..	68	13	..	33	27	..
Maopoopo, Futuna Isla	36	31.1	24.6	27.9	..	..	..	..	..	..	..	..	..	..	..
Tuamotu, Takaroa	2	30.2	24.3	27.3	..	31.4	28	23.2	5	..	..	..	..	..	..
Late returns and corrections for October 2021															
Taupo AWS	402	16.7	7.4	12.1	+1.0	22.6	26	-1.0	14	139	16	+53	43	17	..
Hamilton, Ruakura 2 E	45	18.9	9.7	14.3	+1.1	23.4	26	1.4	15	95	17	+4	18	11	140
Gisborne EWS	12	20.6	10.3	15.5	..	26.4	26	5.0	15	33	14	..	9	29	..
Hastings AWS	16	19.6	9.1	14.4	..	28.6	27	2.3	1	40	13	..	12	29	..
Mt Philistine EWS	1655	5.9	0.5	3.2	..	12.1	22	-4.4	1	..	..	..	..	..	..
Boyle River Lodge	600	17.7	5.1	11.4	+1.9	..	..	..	..	..	..	..	..	..	..
Hanmer Forest EWS	363	20.3	4.5	12.4	+2.2	27.9	25	-1.9	1	49	13	-54	13	17	..
Ashburton Aero AWS	88	16.8	6.8	11.8	..	23.2	8	0.1	15	40	14	..	17	11	..
Raoul Island AWS	50	21.8	16.4	19.1	..	23.8	28	10.4	1	136	14	..	59	7	205
Campbell Island AWS	16	9.0	4.5	6.8	+0.4	..	..	-2.5	6	92	26	-25	12	10	..
Late returns and corrections for September 2021															
Hamilton, Ruakura 2 E	45	16.4	6.3	11.4	-0.1	18.3	25	0.9	29	148	15	+56	52	22	146
Hastings AWS	16	17.1	5.5	11.3	..	22.5	13	-0.7	9	..	..	..	..	..	..
Takaka EWS	20	17.2	3.4	10.3	+0.0	21.0	24	-0.4	1	237	11	+40	89	22	217
Boyle River Lodge	600	12.3	1.8	7.1	-0.4	..	..	..	..	..	..	..	..	..	..
Hanmer Forest EWS	363	15.7	1.4	8.6	+0.3	22.3	24	-3.3	3	107	17	+27	31	10	..
Ashburton Aero AWS	88	15.5	3.6	9.6	..	20.9	4	-3.2	18	39	15	..	9	26	..
Late returns and corrections for August 2021															
Hamilton, Ruakura 2 E	45	15.1	5.1	10.1	+0.3	18.4	30	-3.1	10	112	16	+2	30	27	122
Hanmer Forest EWS	363	13.2	0.6	6.9	+1.0	20.5	23	-5.7	10	131	24	+24	34	16	..
Late returns and corrections for July 2021															
Hamilton, Ruakura 2 E	45	14.5	3.5	9.0	+0.1	17.7	18	-3.2	4	102	14	-16	31	6	144
Hastings AWS	16	14.7	3.6	9.2	..	19.9	22	-2.0	5	17	14	..	8	13	..
Hanmer Forest EWS	363	13.5	-2.0	5.8	+1.7	19.8	30	-8.4	4	111	13	+3	53	16	..
Late returns and corrections for June 2021															
Hamilton, Ruakura 2 E	45	15.6	6.6	11.1	+1.5	18.9	10	-2.5	24	121	17	+5	34	19	100
Hanmer Forest EWS	363	12.8	1.0	6.9	+1.9	19.9	15	-2.4	9	176	17	+77	111	20	..
Late returns and corrections for May 2021															
Hanmer Forest EWS	363	15.8	0.6	8.2	+0.5	26.0	11	-6.2	27	228	14	+137	90	30	..
Late returns and corrections for April 2021															
Hanmer Forest EWS	363	20.9	2.8	11.9	+1.3	27.3	11	-2.9	26	19	11	-47	6	2	..

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 March 2021															
Hanmer Forest EWS	363	23.7	5.7	14.7	+0.9	30.7	2	-1.3	19	43	7	-41	19	31	..
Scott Base	19	-15.0	-23.7	-19.4	..	-5.9	29	..	..	..	..	..	..	..	..
Late returns and corrections for February 2021															
Hastings AWS	16	23.4	12.5	18.0	..	28.3	24	7.1	19	43	3	..	29	15	..
Hanmer Forest EWS	363	26.4	6.8	16.6	+1.0	34.8	22	0.4	18	23	8	-41	9	15	..
Ashburton Council	101	23.2	10.5	16.9	+0.1	..	..	4.0	18	..	..	..	..	..	..
Late returns and corrections for January 2021															
Hanmer Forest EWS	363	25.3	8.1	16.7	+0.7	36.8	26	1.5	31	44	9	-18	17	19	..
Ashburton Council	101	24.2	11.4	17.8	+0.5	39.4	26	5.0	29	41	14	-12	20	2	..
Late returns and corrections for December 2020															
Hanmer Forest EWS	363	22.9	6.9	14.9	+0.5	32.1	16	-0.1	29	61	10	-13	14	27	..
Late returns and corrections for November 2020															
Hanmer Forest EWS	363	20.1	6.2	13.2	+1.1	28.5	13	-0.2	9	131	18	+37	41	7	..
Late returns and corrections for October 2020															
Hanmer Forest EWS	363	19.9	4.4	12.2	+2.0	28.4	24	-4.2	1	51	10	-52	20	26	..

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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