



Climate Database Statistics Report

September 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 September 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	Date	Hrs	
Cape Reinga AWS	213	16.7	11.6	14.2	+0.7	..	..	..	..	..	..	..	..	..	..
Kaitaia Aero EWS	80	17.8	10.3	14.1	+0.7	..	..	4.3	18	141	18	+48	33	5	..
Kaitaia Aero AWS	77	17.8	10.2	14.0	..	..	..	..	..	..	..	..	..	..	..
Kaitaia EWS	85	17.7	10.4	14.1	+0.8	20.4	29	5.3	18	143	19	+38	32	5	141
Kerikeri EWS	79	18.4	9.0	13.7	+0.6	..	..	3.2	7	153	17	-10	38	5	..
Kerikeri Aerodrome Aw	149	17.5	9.0	13.3	+0.6	21.2	21	3.3	7	..	..	..	..	..	..
Kaikohe AWS	204	16.4	9.3	12.9	+0.6	..	..	4.0	7	..	..	..	..	..	..
Trounson CWS	244	17.0	8.9	13.0	..	21.1	29	2.7	15	96	20	-57	26	9	..
Dargaville 2 EWS	66	17.5	9.4	13.5	+0.5	22.2	29	3.9	15	76	17	-21	14	5	..
Purerua AWS	87	17.6	10.6	14.1	..	21.9	21	5.9	7	138	18	..	38	19	..
Whangarei Aero AWS	38	18.2	9.6	13.9	+0.5	..	..	4.2	7	92	21	-18	26	5	..
Whangarei EWS	12	18.3	8.2	13.3	..	21.8	29	2.3	2	84	14	..	27	5	..
Mokohinau AWS	70	16.3	12.8	14.6	+0.8	..	..	..	..	132	17	+61	25	30	..
Leigh 2 EWS	27	19.1	11.0	15.1	+1.4	22.5	29	6.8	7	163	18	+68	34	5	..
Warkworth EWS	72	16.9	7.4	12.2	+0.0	19.4	21	1.8	7	126	20	-5	34	11	..
Whangaparaoa AWS	100	17.2	10.7	14.0	+0.8	19.9	25	6.9	7	..	..	..	..	..	..
Tiri Tiri Lighthouse	76	16.1	9.7	12.9	-0.1	18.8	13	6.6	7	113	..	+31	38	30	..
Auckland, Whenuapai A	26	17.2	8.2	12.7	+0.3	20.4	25	1.3	7	116	21	..	44	5	..
Auckland, North Shore	64	17.6	8.9	13.3	..	20.8	21	2.5	7	132	14	..	41	5	173
Auckland, Henderson N	7	18.6	7.6	13.1	+0.4	22.9	25	0.9	7	145	19	+14	71	5	..
Auckland, Motat EWS	16	17.8	8.9	13.4	..	21.2	25	1.8	7	137	12	..	46	5	186
Waiheke Island, Awaro	34	17.8	7.8	12.8	..	21.2	25	0.5	7	122	11	+15	52	30	..
Manukau Heads EWS	240	15.1	10.1	12.6	..	17.9	20	6.5	7	126	19	..	48	5	190
Whitianga Aero AWS	5	17.0	7.8	12.4	+0.2	19.9	24	1.8	7	235	22	+66	68	5	..
Whitianga EWS	1	17.9	7.4	12.7	..	21.5	24	0.9	7	225	18	..	63	5	..
Thames EWS	3	17.3	8.5	12.9	..	21.5	25	1.3	7	136	13	..	55	5	..
Paeroa AWS	19	16.9	7.8	12.4	+0.1	20.6	25	-0.3	7	147	21	+47	56	5	..
Matamata, Hinuera EWS	85	16.9	6.6	11.8	+1.1	20.9	25	-1.7	7	171	14	..	42	5	..
Tauranga CWS	3	16.2	9.2	12.7	..	20.4	24	2.9	7	271	21	..	70	9	..
Tauranga Aero AWS	5	16.8	9.3	13.1	+0.7	..	..	..	..	..	..	..	..	..	..
Te Puke EWS	123	16.7	7.9	12.3	+0.5	..	..	..	..	299	16	+173	72	30	..
Whakatane Aero AWS	8	16.8	8.0	12.4	+0.8	20.6	25	0.7	7	224	18	+132	63	30	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	188
Whakatane EWS	1	17.4	8.4	12.9	..	20.7	25	1.9	7	184	16	..	54	5	..
Mamaku Radar WXT AW617	11.1	6.2	8.7	..	..	..	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	17.3	6.9	12.1	..	21.5	24	-0.3	7	..	..	..	..	..	..
Rotorua EWS	288	15.0	6.1	10.6	..	18.6	24	-2.6	7	257	18	..	56	30	160
Rotorua Aero AWS	286	15.0	5.9	10.5	+0.3	..	..	-3.3	7	..	..	..	..	..	..
Galatea AWS	175	15.6	5.8	10.7	..	..	..	-3.3	7	189	19	..	49	30	..
Taupo CWS	360	15.0	5.8	10.4	..	19.3	23	-0.8	7	197	20	..	34	10	..
Tarapounamu EWS	701	11.1	4.2	7.7	..	16.3	23	-3.0	7	175	19	..	45	30	..
Taupo AWS	402	13.9	5.0	9.5	+0.4	18.5	23	-2.0	7	166	17	+84	40	10	..
Motu EWS	488	16.2	6.7	11.5	+3.0	22.4	24	-3.1	7	337	20	+138	76	5	..
Auckland, Mangere 2 E	16	17.4	9.6	13.5	..	21.4	25	2.5	7	105	14	..	48	5	168
Auckland Aero	7	17.4	9.7	13.6	+0.6	20.5	25	3.1	7	114	19	+24	51	5	..
Auckland Aero Backup	7	17.5	9.9	13.7	..	20.7	25	3.4	7	112	21	..	50	5	..
Ardmore Aero AWS	41	17.5	7.8	12.7	..	21.0	25	1.0	7	..	..	..	..	..	..
Pukekohe EWS	88	16.3	7.6	12.0	-0.2	20.8	25	0.7	7	154	11	+43	58	5	..
Firth Of Thames EWS	3	17.3	6.9	12.1	..	21.8	25	-1.0	7	154	15	..	54	5	..
Whatawhata 2 EWS	118	16.6	7.5	12.1	+0.5	21.4	25	1.2	7	..	..	..	..	..	..
Hamilton, Ruakura 2 E	45	16.3	6.6	11.5	+0.0	20.3	25	-0.9	7	138	15	+46	49	5	157
Hamilton AWS	53	16.5	6.5	11.5	+0.2	20.2	25	-1.6	7	162	15	+61	43	5	..
Lake Karapiro CWS	55	16.8	9.0	12.9	..	21.0	20	2.6	7	149	17	..	52	5	..
Port Taharoa AWS	18	16.3	10.2	13.3	+0.5	20.4	30	4.7	7	151	19	..	47	19	..
Awakino EWS	400	13.0	6.2	9.6	..	18.9	25	0.9	6	227	19	..	67	19	28
Waikeria EWS	37	16.8	6.3	11.6	..	21.0	25	-1.5	7	140	14	..	34	30	143
Te Kuiti EWS	61	16.8	5.6	11.2	-0.2	21.6	25	-0.6	7	174	16	+44	38	19	..
Pureora Forest CWS	549	12.6	4.0	8.3	..	17.2	25	-3.3	7	240	20	..	38	19	..
Taumarunui EWS	170	15.8	6.1	11.0	..	21.2	25	-0.9	7	250	19	..	80	19	..
Taumarunui AWS	186	15.6	6.4	11.0	..	..	..	..	..	..	..	..	..	..	..
Turangi 2 EWS	360	14.6	4.9	9.8	+0.5	18.8	23	-2.3	1	222	18	+82	58	19	140
New Plymouth AWS	28	15.6	8.4	12.0	+0.5	18.6	23	3.4	1	137	20	+17	25	30	207
Lower Retaruke CWS	233	15.1	6.0	10.6	..	20.4	25	-0.3	7	196	20	+43	47	19	..

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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		
Mt Ruapehu, Chateau E	1097	9.6	1.0	5.3	+0.4	15.3	25	317	18	+46	70	19	..
Pahiatua EWS	110	14.6	6.2	10.4	..	18.8	20	-1.4	7	115	20	..	21	22	..
Masterton Aero AWS	105	14.9	5.2	10.1	..	19.5	20	-2.5	16	151	21	..	39	10	..
Masterton EWS	90	15.6	5.1	10.4	..	20.2	28	-2.2	16	137	19	..	39	10	149
Masterton, Te Ore Ore	110	15.2	6.0	10.6	..	19.6	28	-1.3	16	131	19	+58	36	10	..
Takapau Plains AWS	346	13.7	5.5	9.6	+0.0	19.4	20	-2.0	7	..	..	..	..	..	..
Dannevirke EWS	207	15.1	7.1	11.1	..	..	..	-1.5	7	146	21	..	27	22	129
Cape Turnagain AWS	285	11.6	8.1	9.9	..	16.8	20	1.9	6	..	..	..	..	..	..
Akitio EWS	245	12.9	7.4	10.2	..	17.9	20	0.7	7	212	20	..	41	10	142
Castlepoint AWS	120	13.6	9.0	11.3	-0.3	19.0	20	2.9	7	178	18	+120	29	5	..
Baring Head	79	13.7	8.6	11.2	..	17.6	22	1.9	15	49	11	..	22	29	..
Te Wharau, Brackenfie	292	13.1	4.4	8.8	..	18.0	19	-1.9	7	274	..	..	..	..	..
Martinborough EWS	20	15.2	6.8	11.0	+0.3	19.8	19	-1.7	7	89	17	..	24	10	118
Ngawi AWS	8	15.0	9.9	12.5	+0.0	18.7	20	3.9	15	197	18	..	66	23	..
Hicks Bay AWS	46	16.6	10.3	13.5	+0.9	19.1	30	3.7	7	313	17	+218	66	22	..
Gisborne AWS	5	16.8	7.8	12.3	+0.2	..	..	0.0	7	212	16	+140	52	22	..
Gisborne EWS	12	17.9	8.2	13.1	..	21.8	24	0.5	7	178	15	..	46	5	..
Tolaga Bay WXT AWS	15	15.9	8.3	12.1	..	19.6	12	0.0	7	247	19	..	62	5	..
Tutira CWS	235	14.8	7.2	11.0	..	19.5	20	-0.2	7	214	14	..	61	22	..
Napier Aero AWS	3	16.4	8.1	12.3	+0.7	21.8	20	-0.6	7	184	16	+135	49	22	..
Napier EWS	7	17.2	8.5	12.9	..	22.7	20	-0.6	7	127	13	..	38	22	..
Maraekakaho CWS	150	16.0	6.8	11.4	..	22.0	20	-1.6	7	162	15	..	44	22	..
Hastings AWS	16	17.1	7.5	12.3	..	..	..	..	..	..	..	..	..	..	..
Whakatu EWS	5	17.2	7.1	12.2	+1.5	22.9	20	-2.6	7	135	15	..	41	22	..
Waipawa EWS	130	16.1	5.4	10.8	..	..	..	-3.2	7	..	..	..	..	..	..
Wairoa, North Clyde E	15	17.5	7.8	12.7	+0.8	22.1	20	1.1	7	167	16	+79	53	30	..
Wairoa Aero AWS	13	16.5	7.3	11.9	..	21.1	20	0.4	7	178	18	..	50	30	..
Mahia Radar WXT AWS	419	12.3	7.7	10.0	..	..	..	..	..	..	..	..	..	..	..
Mahia AWS	136	14.9	9.3	12.1	+0.3	18.8	13	3.2	7	..	..	..	..	..	..
Cape Kidnappers WXT A	113	14.3	10.4	12.4	..	19.0	13	4.4	7	..	..	..	..	..	..
Paraparaumu Aero	5	15.1	7.4	11.3	+0.2	17.8	12	1.2	7	79	19	-7	41	29	145
Paraparaumu Aero AWS	8	14.9	7.6	11.3	+0.3	17.6	12	1.5	7	83	19	-6	42	29	169
Paraparaumu EWS	5	15.3	7.7	11.5	..	18.1	12	1.7	7	69	16	-20	38	29	162
Ohakea AWS	47	15.5	7.7	11.6	..	19.5	23	0.9	6	76	22	..	25	13	..
Palmerston North AWS	39	15.5	7.4	11.5	+0.6	19.5	23	1.8	6	79	22	-6	11	19	..
Palmerston North EWS	21	16.0	7.6	11.8	+0.8	19.6	11	1.4	7	72	21	-14	15	3	114
Levin AWS	15	16.1	7.7	11.9	+0.9	19.7	23	1.7	17	81	22	-22	14	29	..
Levin EWS	23	14.4	5.8	10.1	..	..	..	..	..	71	19	..	14	29	171
Mana Island AWS	110	13.2	8.9	11.1	..	15.8	12	3.3	7	67	17	..	31	29	..
Porirua, Elsdon Park	7	14.8	7.8	11.3	..	17.5	10	0.8	15	88	20	..	46	29	147
Wellington, Kelburn A	125	13.6	8.2	10.9	+0.1	16.5	10	2.4	15	132	18	+34	47	29	155
Wellington Aero	4	14.5	8.8	11.7	+0.1	17.2	27	2.5	7	86	20	+11	37	29	..
Wellington, Greta Poi	3	15.5	9.3	12.4	..	21.0	10	4.2	7	88	17	..	38	29	..
Wellington Aero Backu	4	14.5	8.8	11.7	..	17.2	10	2.7	7	83	20	..	36	29	..
Upper Hutt, Trentham	50	14.7	6.3	10.5	..	18.4	26	-2.3	7	111	21	..	46	29	135
Stratford EWS	280	14.2	6.0	10.1	+0.5	17.0	20	-0.6	15	192	20	+11	33	3	128
Ohakune EWS	607	13.1	3.9	8.5	+0.4	..	..	..	..	..	..	..	..	..	..
Waiouru Airstrip AWS	820	11.5	2.5	7.0	..	16.2	23	-3.8	7	146	22	..	33	5	..
Waiouru EWS	803	11.9	2.9	7.4	..	16.9	23	-2.6	7	97	24	..	19	5	..
Flat Hills WXT AWS	262	14.3	7.2	10.8	..	20.1	23	1.8	7	109	21	+12	25	19	..
Whanganui, Spriggens	15	16.1	8.4	12.3	+0.4	..	..	..	..	72	20	-2	9	10	..
Whanganui AWS	14	15.9	8.4	12.2	+0.6	19.8	28	3.4	17	87	21	+8	10	19	..
Wanganui 2 AWS	18	17.9	8.4	13.2	..	23.0	26	3.0	6	..	..	..	..	..	..
Takaka EWS	20	16.5	5.3	10.9	+0.6	20.5	24	-1.7	7	182	15	-15	56	28	174
Farewell Spit AWS	3	17.6	9.8	13.7	+1.9	21.3	24	5.0	15	92	18	-46	17	12	..
Westport Aero AWS	5	14.8	8.0	11.4	+0.7	19.5	23	2.9	15	136	18	-48	52	28	..
Westport EWS	6	14.3	7.2	10.8	..	18.4	23	1.2	15	136	15	..	54	28	185
Arapito EWS	3	15.7	6.6	11.2	..	18.7	23	0.3	6	237	14	..	54	29	157
Hokitika Aero	39	14.7	6.0	10.4	+0.5	17.8	25	-1.1	6	134	14	-126	43	2	152
Hokitika AWS	40	14.7	6.0	10.4	+0.5	17.8	25	-0.9	6	138	16	-83	43	2	189
Hokitika EWS	39	14.6	5.7	10.2	..	17.8	25	-1.3	6	123	15	..	40	2	..
Reefton EWS	198	15.6	4.9	10.3	+0.8	20.8	26	-2.8	15	89	14	-88	18	2	162
Greymouth Aero EWS	5	15.3	7.2	11.3	..	19.7	23	2.0	7	134	14	..	41	28	167

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Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	mm		
Pigeon Creek CWS	105	14.6	5.7	10.2	..	20.5	23	-0.9	6	241	14	..	77	28	..
Mt Philistine EWS	1655	2.9	-2.4	0.3	..	8.3	24	-10.5	6	309	22	..	90	28	..
Mahanga EWS	1995	1.3	-3.6	-1.2	..	..	..	..	..	169	16	..	50	28	..
Ivory Glacier CWS	1390	5.0	-1.9	1.6	..	11.0	24	-9.3	6	392	16	..	135	28	..
Okarito EWS	1	14.7	5.9	10.3	..	18.1	26	-0.9	6	248	14	..	85	1	..
Franz Josef EWS	80	14.8	5.1	10.0	+1.0	19.6	23	-0.7	6	438	14	..	138	1	151
Haast AWS	1	14.1	6.0	10.1	+0.9	17.3	23	0.7	7	313	21	..	130	1	..
Milford Sound AWS	3	13.7	4.4	9.1	+0.5	17.3	18	0.2	6	259	16	..	58	19	..
Milford Sound EWS	3	13.9	4.4	9.2	..	16.9	18	0.2	6	266	17	..	59	19	..
Castle Mount EWS	2000	1.3	-4.0	-1.4	..	6.7	22	-13.3	6	114	20	..	36	28	..
Secretary Island AWS	19	14.0	8.1	11.1	+1.0	..	..	..	..	..	..	..	..	..	..
Puysegur Point AWS	45	12.4	7.8	10.1	+0.6	16.6	18	3.7	6	107	22	-89	16	28	..
Stephens Island AWS	188	13.2	9.0	11.1	..	17.0	24	4.4	6	66	16	..	16	29	..
Motueka, Riwaka EWS	8	16.0	5.7	10.9	+0.6	20.0	3	-1.6	7	87	13	-35	27	29	..
Pelorus Sd, Crail Bay	13	15.4	8.6	12.0	+0.5	20.2	24	2.5	7	207	18	+49	105	29	..
Nelson Aero	2	15.2	6.9	11.1	+0.7	18.0	3	0.0	7	93	16	+8	36	29	158
Appleby 2 EWS	18	15.3	4.4	9.9	-0.5	18.4	3	-3.1	7	78	14	..	31	29	176
Richmond EWS	1	15.4	6.0	10.7	..	18.7	3	-2.2	7	74	13	..	35	29	185
Nelson AWS	6	15.1	7.1	11.1	+0.5	17.7	3	-0.1	7	91	18	..	38	29	..
Blenheim Research EWS	4	16.1	7.1	11.6	+0.6	20.8	1	-1.5	7	39	14	-16	16	29	195
Blenheim Aero AWS	36	15.8	5.6	10.7	+0.4	19.7	1	..	..	65	15	-1	25	29	..
Grassmere Salt Works	2	15.3	9.6	12.5	+0.9	20.1	3	1.1	7	74	11	+33	25	10	..
Cape Campbell AWS	6	13.0	9.1	11.1	+0.0	16.5	3	2.9	6	60	13	+21	18	10	..
Hanmer Forest EWS	363	15.5	1.6	8.6	+0.3	23.6	19	-5.2	7	66	11	-14	32	21	..
Kaikoura, Middle Cree	5	13.9	4.8	9.4	..	20.8	20	-1.9	15	120	22	..	26	5	..
Kaikoura AWS	108	13.6	7.4	10.5	+0.2	20.9	19	1.9	6	103	16	+46	28	21	..
Arthurs Pass	745	10.4	1.5	6.0	+0.5	17.0	24	-3.5	6	243	16	-187	65	2	..
Arthurs Pass EWS	745	10.3	1.1	5.7	+0.5	17.2	24	-3.8	6	253	17	-171	64	2	..
Arthurs Pass AWS	743	9.8	1.4	5.6	..	16.1	24	-3.4	6	272	21	..	70	2	..
Culverden AWS	181	14.4	3.9	9.2	..	20.8	19	-3.3	7	33	11	..	17	21	..
Medbury CWS	232	13.8	3.6	8.7	..	19.0	27	-4.5	7	29	8	..	10	21	..
Balmoral East CWS	172	14.7	2.9	8.8	..	20.9	28	-5.3	7	30	10	..	12	21	..
Waipara North Branch	497	13.0	2.2	7.6	..	17.8	28	-4.3	15	40	10	..	17	13	..
Waiiau School CWS	136	15.4	3.9	9.7	..	21.8	19	-3.1	7	58	9	..	23	21	..
Cheviot EWS	75	14.8	4.0	9.4	..	22.6	19	-4.1	15	52	15	..	17	21	..
Upper Rakaia EWS	1752	2.8	-3.5	-0.4	..	7.0	24	-13.2	6	129	20	..	42	2	..
Mt Potts EWS	2128	1.2	-5.2	-2.0	..	8.1	17	-15.7	6	27	6	..	21	4	..
Mt Cook EWS	730	12.1	1.9	7.0	+0.2	17.4	24	-5.9	6	208	14	-137	47	28	140
Mueller Hut EWS	1818	4.0	-2.8	0.6	..	10.1	22	-13.4	6	182	16	..	78	28	..
Mt Cook Aero AWS	656	11.9	0.3	6.1	..	17.6	27	-9.6	6	112	14	..	21	28	..
Cass EWS	571	13.2	1.3	7.3	..	18.3	24	-6.3	6	52	10	..	12	13	..
Methven CWS	313	14.3	4.1	9.2	..	19.8	19	-2.0	6	45	12	..	15	29	..
Winchmore 2 EWS	164	14.7	3.2	9.0	..	21.4	29	-2.6	6	28	6	..	14	13	180
Chertsey CWS	108	14.4	4.8	9.6	..	21.9	29	-1.0	6	26	5	..	17	13	..
Mayfield at Ruapuna F	325	14.2	3.4	8.8	..	22.1	29	-4.3	6	59	12	..	24	13	..
Peel Forest	286	14.6	3.3	9.0	+0.5	22.0	29	-3.4	6	55	12	-24	24	29	..
Lismore, Racemans Hou	168	15.5	5.3	10.4	..	22.4	29	-2.0	6	45	5	..	21	13	..
Ashburton Aero AWS	88	15.0	3.9	9.5	..	22.0	29	-2.7	6	27	9	..	11	13	177
Waipara West EWS	130	15.1	5.1	10.1	..	21.4	27	-1.2	15	31	9	..	10	21	159
Ohoka CWS		14.7	4.0	9.4	..	22.4	19	-3.8	7	20	13	..	10	13	..
Rangiora EWS	23	15.5	4.9	10.2	+0.8	23.5	19	-3.4	7	18	8	..	9	13	157
Christchurch Aero	37	14.9	4.6	9.8	+0.4	22.2	19	-4.7	7	27	11	-14	14	13	178
Christchurch Aero Bac	37	14.9	4.6	9.8	..	22.3	19	-4.6	7	22	8	..	12	13	..
Christchurch Gardens	7	15.7	6.0	10.9	+0.7	22.9	29	-2.0	7	27	9	-14	16	13	..
Christchurch, Kyle St	6	15.8	5.8	10.8	+0.6	22.9	1	-3.0	7	24	6	..	16	13	..
Christchurch Botanic	17	15.4	6.1	10.8	..	22.6	29	-2.2	7	23	6	..	15	13	..
Bromley EWS	3	14.5	6.7	10.6	..	22.8	29	-1.6	7	21	6	..	12	13	187
Lincoln, Broadfield E	18	15.1	5.5	10.3	+0.7	23.3	29	-1.4	7	24	8	-16	14	13	163
Sugar Loaf AWS	496	12.3	5.1	8.7	..	20.3	29	-2.4	6	..	..	..	..	..	..
Diamond Harbour EWS	122	13.7	6.6	10.2	..	21.7	29	0.2	7	21	5	..	14	13	185
Akaroa EWS	45	16.0	6.4	11.2	+0.8	24.2	29	1.0	7	30	10	-40	17	13	161
Le Bons Bay AWS	238	12.3	6.6	9.5	+0.3	19.4	29	0.6	6	56	14	..	32	13	..
Lake Tekapo, Air Safa	762	12.4	0.9	6.7	+0.2	18.5	27	-6.6	6	23	12	-27	8	28	..

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

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		
Lake Tekapo EWS	762	12.9	0.5	6.7	+0.0	19.1	27	-7.1	6	19	8	..	7	28	200
Fairlie AWS	403	13.1	4.1	8.6	..	19.5	29	-1.3	6	32	12	..	21	29	..
Pukaki Aerodrome AWS	461	14.0	0.1	7.1	..	..	..	..	..	..	..	..	..	..	..
Orari Estate	81	15.2	3.8	9.5	+0.5	22.0	19	-3.6	6	37	8	-10	21	29	..
Orari Estate EWS	81	15.1	3.7	9.4	..	21.3	19	-3.4	6	35	7	..	20	29	..
Timaru Aero AWS	27	14.1	3.4	8.8	+0.1	22.0	29	-3.3	15	42	12	+6	19	29	..
Timaru EWS	17	13.6	5.2	9.4	+0.1	20.8	19	-1.1	15	29	6	-6	14	29	..
Otaio @ Springbank ro	14	13.1	5.0	9.1	..	19.6	29	-1.2	15	28	6	..	16	29	..
Waimate CWS	39	14.2	5.0	9.6	..	20.4	19	-1.4	15	19	5	..	12	29	..
Oamaru Airport AWS	30	13.1	4.4	8.8	+0.0	19.7	27	-1.3	6	24	8	-5	9	29	..
Albert Burn	1280	6.5	-1.1	2.7	..	12.7	24	-10.4	6	192	16	..	53	1	..
Mt Larkins EWS	1900	1.9	-3.1	-0.6	..	9.4	22	-12.7	6	112	16	..	24	15	..
Eglinton, Knobs Flat	365	13.1	1.6	7.4	..	18.8	23	-4.7	6	102	13	..	22	19	..
Tara Hills AWS	485	13.8	1.0	7.4	+0.0	20.4	27	-4.9	6	16	8	-20	9	29	..
Wanaka CWS	331	14.2	3.0	8.6	..	19.1	24	-4.0	6	16	10	..	5	19	..
Wanaka Aero AWS	352	14.3	3.3	8.8	+0.5	18.8	23	-4.6	6	20	12	-37	7	29	..
Windsor EWS	81	14.8	3.1	9.0	+0.3	21.9	27	-3.2	15	12	9	-16	6	13	..
Ranfurly EWS	450	13.8	1.5	7.7	+0.6	19.9	27	-4.9	17	19	5	-7	14	29	..
Oamaru AWS	40	13.2	5.1	9.2	-0.1	18.5	20	-0.4	6	..	..	..	..	..	..
Palmerston	21	13.7	4.4	9.1	+0.6	21.8	27	-1.9	15	22	11	-23	6	20	117
Middlemarch EWS	213	15.3	1.7	8.5	+0.0	..	..	..	..	8	6	..	3	12	165
Swampy Summit AWS	716	9.3	2.4	5.9	..	16.9	27	-3.8	6	..	..	..	..	..	..
Dunedin Aero AWS	2	14.3	2.7	8.5	-0.3	21.4	1	-2.0	10	30	18	-12	7	20	..
Dunedin, Musselburgh	4	13.3	6.1	9.7	+0.2	18.7	19	0.6	15	35	14	-13	8	12	174
Oamaru EWS	20	14.2	4.6	9.4	..	20.5	19	-1.0	6	17	5	..	7	13	162
Murchison Mtns EWS	1140	6.1	0.1	3.1	..	11.7	23	-6.5	6	96	18	..	22	19	..
Te Anau At Park HQ Cw	204	12.5	3.9	8.2	..	17.4	23	-1.5	6	..	..	..	..	..	..
Manapouri, West Arm J	178	11.7	3.3	7.5	+0.4	15.4	24	-1.7	11	112	16	..	18	19	..
Manapouri Aero AWS	209	13.4	1.6	7.5	+0.1	18.3	23	-5.2	17	30	16	-76	7	12	..
Birchwood WXT AWS	149	13.2	4.4	8.8	..	19.4	28	-0.4	15	50	13	..	13	13	..
Queenstown EWS	322	13.5	4.2	8.9	..	18.0	24	-1.7	6	31	9	..	5	29	..
Queenstown Aero AWS	357	12.8	2.6	7.7	+0.1	16.8	1	-3.6	6	20	11	-47	5	20	196
Five Rivers CWS	260	13.3	3.1	8.2	..	18.9	1	-3.2	6	22	7	..	13	29	..
Lumsden AWS	194	13.0	3.3	8.2	+0.2	19.2	1	-2.1	6	43	14	..	12	29	..
Waipounamu CWS	152	13.7	3.6	8.7	..	20.1	1	-2.4	6	31	13	..	7	29	..
Cromwell EWS	213	16.3	2.3	9.3	+0.4	..	..	-3.7	6	5	5	..	2	7	214
Lauder EWS	375	14.7	2.4	8.6	+0.6	20.1	28	-5.4	6	16	5	-7	13	29	..
Ophir 2	305	15.5	0.5	8.0	..	21.4	27	-7.0	6	12	7	..	6	29	..
Alexandra	150	16.8	2.5	9.7	+0.4	22.2	27	-4.6	6	14	9	..	5	19	141
Clyde 2 EWS	170	16.0	1.4	8.7	..	22.0	27	-6.2	6	7	6	..	3	20	..
Alexandra AWS	231	15.1	2.6	8.9	..	21.0	27	-5.4	6	10	10	..	4	20	..
Alexandra EWS	132	16.2	2.7	9.5	..	21.8	27	-3.9	6	10	7	..	4	20	..
Roxburgh WXT AWS	160	14.9	4.7	9.8	..	..	..	..	..	..	..	..	..	..	..
Tapanui EWS	180	14.0	3.0	8.5	..	21.3	28	-2.2	10	33	14	..	10	12	..
Waitutu CWS	30	12.5	3.5	8.0	..	17.0	11	-1.0	10	137	19	..	22	3	..
Gore AWS	123	13.5	4.5	9.0	+0.6	19.6	28	-1.8	6	46	18	-17	10	4	..
Gore EWS	60	13.8	3.8	8.8	..	20.2	28	-2.7	6	40	13	..	11	4	159
Invercargill Aero	1	13.2	4.5	8.9	+0.3	..	..	..	..	..	..	..	..	..	..
Invercargill Aero AWS	3	13.5	4.6	9.1	+0.7	19.7	28	-1.8	6	82	18	..	24	3	..
Invercargill Aero 2 E		13.4	4.2	8.8	..	..	..	..	..	..	..	..	..	..	..
Tiwai Point EWS	5	12.9	6.1	9.5	+0.5	17.5	19	1.3	11	70	13	-16	18	12	..
Stewart Island EWS	3	12.8	5.5	9.2	..	16.9	24	0.6	30	79	18	..	17	3	..
Balclutha, Telford Ew	11	13.0	3.6	8.3	..	18.2	28	-1.0	18	34	17	..	5	4	117
Balclutha, Finegand E	6	13.8	3.8	8.8	..	18.7	1	-0.6	18	35	17	..	7	12	..
Nugget Point AWS	131	11.4	5.8	8.6	+0.0	15.3	26	0.5	6	60	20	-3	13	20	..
Tautuku	25	12.4	4.9	8.7	+0.1	19.5	28	1.0	6	95	14	-6	18	3	..
Tautuku EWS	25	12.4	4.9	8.7	..	19.3	28	0.4	11	91	18	..	17	3	..
Kiribati,Cassidy Chri	3	30.4	25.1	27.8	..	..	..	..	..	..	..	..	..	..	..
Solomon, Taro Is	3	31.6	..	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Munda	6	..	24.1	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	31.8	23.6	27.7	..	..	..	..	..	..	..	..	..	..	..
Solomon, Henderson	9	32.0	22.4	27.2	..	..	..	20.2	28	..	..	..	..	..	..
Solomon, Santa Cruz	24	..	23.8	..	..	..	..	..	..	..	..	..	..	..	..

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

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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	30.1	22.3	26.2	
Vanuatu,Lamap	22	29.9	24.4	27.2	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	29.9	20.7	25.3	..	31.7	24	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	29.2	20.5	24.9	..	..	..	..	..	..	..	..	..	..
Vanuatu,Aneityum	6	27.8	20.6	24.2	..	..	..	18.2	11	..	..	..	..	..
New Cal, Koumac	18	28.1	18.8	23.5	..	30.9	11	15.9	1	..	..	..	..	..
New Cal, Oulop	7	27.4	22.1	24.8	..	28.9	11	17.8	12	..	..	..	..	..
New Cal, Ouanaham	29	26.6	20.8	23.7	..	..	..	16.8	12	..	..	..	..	..
New Cal, La Roche	42	26.8	17.7	22.3	..	31.1	26	10.7	17	..	..	..	..	..
New Cal, La Tontouta	14	28.6	17.3	23.0	..	32.7	28	13.6	16	..	..	..	..	..
New Cal, Nouma	72	28.3	19.2	23.8	..	32.1	4	15.3	16	..	..	..	..	..
New Cal, Moue	97	25.4	19.0	22.2	..	27.5	28	13.3	16	..	..	..	..	..
Kiribati,Tarawa	2	..	25.8	..	..	..	..	..	..	..	..	..	..	..
Kiribati, Bonriki Int	4	..	25.8	..	..	..	..	22.7	21	..	..	..	..	..
Kiribati,Beru	2	..	25.7	..	..	..	..	..	..	..	..	..	..	..
Kiribati,Arorae	7	31.8	26.3	29.1	..	..	..	24.9	21	..	..	..	..	..
Tuvalu,Nanumea Is	2	31.7	26.3	29.0	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	30.8	25.9	28.4	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	31.4	26.0	28.7	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	31.1	25.4	28.3	..	..	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	30.5	21.2	25.9	..	32.7	28	..	..	..	..	..	..	..
Fiji,Nausori Aero	6	29.2	21.4	25.3	..	30.8	6	..	..	..	..	..	..	..
Wallis Island, Hihifo	27	29.6	24.5	27.1	..	30.4	12	22.5	28	..	..	..	..	..
Maopoopo, Futuna Isla	36	29.9	24.7	27.3	..	30.6	16	23.0	1	..	..	..	..	..
Samoa,Faleolo	4	31.7	22.6	27.2	..	33.1	20	..	..	..	..	..	..	..
Samoa, Apia	1	29.5	23.7	26.6	..	30.6	15	21.3	10	..	..	..	..	..
Samoa, Pago Pago Aero	3	29.6	25.1	27.4	..	..	..	22.8	2	86	21	..	9	2
Tonga, Queen Lavinia	60	29.4	24.2	26.8	..	..	..	..	..	..	..	..	..	..
Tonga,Keppel	2	28.9	23.8	26.4	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	27.9	22.6	25.3	..	29.0	18	..	..	..	..	..	..	..
Salote Pilolevu Airpo	2	27.9	22.5	25.2	..	29.6	18	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	27.4	20.5	24.0	..	29.1	17	..	..	..	..	..	..	..
CI Rarotonga Aero	7	27.0	21.6	24.3	..	..	..	..	..	..	..	..	..	..
Vanuatu, Saratamata	18	31.4	23.7	27.6	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	28.6	22.9	25.8	..	30.8	4	20.5	11	72	16	..	12	1	
Society Is, Mopelia		28.3	23.6	26.0	..	29.2	8	21.2	28	..	..	..	..	..
Tahiti - Faaa	1	29.3	22.3	25.8	..	30.0	20	21.0	16	15	9	..	7	27	
Tuamotu, Takaroa	2	28.8	23.5	26.2	..	..	..	22.0	12	..	..	..	..	..
Tuamotu, Hao	3	27.2	23.0	25.1	..	28.1	2	21.3	15	..	..	..	..	..
Gambier, Rikitea	91	24.7	19.3	22.0	..	26.5	18	17.1	26	34	15	..	13	13	
Tubuai	2	25.5	20.5	23.0	..	..	..	..	..	..	..	..	..	..
Rapa	1	22.0	17.5	19.8	..	24.6	8	13.0	26	98	17	..	23	27	
Enderby Is AWS	39	9.5	5.1	7.3	..	12.6	26	-1.5	5	69	27	..	14	28	
Campbell Island AWS	16	8.1	3.4	5.8	+0.1	11.1	22	-3.1	4	80	27	-38	10	12	
Chatham Island Aero A	12	13.3	7.6	10.5	..	15.9	29	0.6	11	54	20	..	11	21	
Georg Von Neumayer	40	-19.2	-29.1	-24.2	..	-14.7	18	-37.3	11	..	..	..	..	..
Ant South Pole	2827	-55.8	-62.8	-59.3	..	-43.5	8	-71.0	30	..	..	..	..	..
Gen Belgrano 2	256	-14.2	-23.3	-18.8	..	-5.9	17	-35.4	25	..	..	..	..	..
Bellingshausen	16	-0.5	-2.5	-1.5	..	3.1	23	-9.3	7	..	..	..	..	..
Base Jubany	4	1.2	-3.2	-1.0	..	4.5	21	-10.7	7	19	19	..	5	29	
V C Marambio	198	-3.7	-11.3	-7.5	..	6.1	20	-23.2	8	..	..	..	..	..
Eduardo Frei	10	-1.6	-3.3	-2.5	..	..	..	..	..	..	..	..	..	..
Arturo Prat		0.2	-2.6	-1.2	..	..	..	..	..	..	..	..	..	..
Great Wall	10	-0.4	-2.9	-1.7	..	1.9	24	..	..	..	..	..	..	..
Bernado Ohiggins	10	-1.1	-3.9	-2.5	..	..	..	..	..	..	..	..	..	..
Palmer Station	8	0.7	-2.3	-0.8	..	..	..	..	..	..	..	..	..	..
Rothera Point	16	-0.6	-3.9	-2.3	..	2.4	12	-8.1	4	..	..	..	..	..
Argentine Is, Faraday	11	0.5	-3.2	-1.4	..	4.0	13	-6.4	28	..	..	..	..	..
Gen San Martin	4	1.2	-5.0	-1.9	..	7.9	21	-13.2	28	..	..	..	..	..
Novolax Arevskaja	99	-15.2	-22.2	-18.7	..	-6.0	9	-31.9	7	
Maitri		-13.8	-22.4	-18.1	
Syowa	21	-16.7	-23.4	-20.1	..	-6.9	9	-33.5	30	
Mawson	16	-13.2	-20.6	-16.9	

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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		
Davis	13	-11.4	-20.2	-15.8	
Progress	64	-11.9	-15.6	-13.8	-26.3	9	
Mirnyj	30	-12.9	-18.2	-15.6	..	-6.2	16	
Vostok	3420	-64.8	-71.2	-68.0	
Casey	41	-8.2	-17.7	-13.0	
Durmont Durville	43	-10.8	-17.1	-14.0	..	-6.9	16	-28.5	12	
Mcmurdo	24	-18.6	-27.3	-23.0	..	-9.3	16	-35.2	7	
Arrival Heights EWS	218	-20.6	-28.0	-24.3	..	-10.3	25	-35.9	7	
Scott Base EWS	20	-19.9	-30.3	-25.1	..	-10.0	25	-38.8	5	
Scott Base 2 EWS	43	-19.4	-29.6	-24.5	..	-9.6	25	-39.2	5	
Darwin Airport	31	33.8	7.6	20.7	..	37.4	14	0.6	11	

Late returns and corrections for August 2022

Kaitaia EWS	85	17.3	10.3	13.8	+1.6	19.8	25	4.6	12	241	17	+128	73	17	140
Kerikeri EWS	79	17.6	8.9	13.3	+1.6	21.2	21	2.8	12	362	19	+180	128	17	..
Whitianga EWS	1	17.1	7.1	12.1	..	21.7	21	0.1	12	..	..	..	..	..	..
Whakatane EWS	1	16.8	6.8	11.8	..	19.4	27	-0.7	13	..	..	..	..	..	..
Tarapounamu EWS	701	10.0	3.7	6.9	..	13.6	4	-1.4	13	123	16	..	24	19	..
Motu EWS	488	14.5	5.6	10.1	+3.6	18.9	21	-4.2	14	..	..	..	..	..	..
Port Taharoa AWS	18	15.6	10.1	12.9	+1.5	..	..	4.0	12	..	..	..	..	..	..
New Plymouth AWS	28	14.9	8.3	11.6	+1.4	17.4	21	1.0	14	283	17	+156	100	18	162
Mt Ruapehu, Chateau E	1097	9.1	0.8	5.0	+1.7	13.5	19	-8.0	13	234	18	-7	63	18	..
Pahiatua EWS	110	14.2	5.8	10.0	..	19.1	19	-2.4	14	138	18	..	43	22	..
Dannevirke EWS	207	14.3	5.9	10.1	..	20.5	19	-1.6	14	143	18	..	52	8	112
Cape Turnagain AWS	285	12.2	8.1	10.2	..	18.6	20	3.4	11	..	..	..	..	..	..
Akitio EWS	245	13.0	7.1	10.1	..	19.5	20	1.4	13	143	15	..	36	8	137
Martinborough EWS	20	15.1	6.6	10.9	+2.0	20.4	18	-1.4	14	66	11	..	30	7	89
Gisborne EWS	12	17.3	7.4	12.4	..	22.7	20	1.2	13	59	13	..	15	9	..
Whakatu EWS	5	16.8	5.0	10.9	+2.1	23.5	21	-1.8	14	89	14	..	18	26	..
Waipawa EWS	130	16.0	3.6	9.8	..	23.8	20	-3.8	14	..	..	..	..	..	..
Wairoa, North Clyde E	15	16.7	6.9	11.8	+1.8	24.3	20	-0.2	15	95	16	-4	20	11	..
Palmerston North EWS	21	15.2	6.5	10.9	+1.5	20.3	18	-1.1	13	105	15	+25	36	22	113
Porirua, Elsdon Park	7	14.3	8.2	11.3	..	18.8	19	-1.2	13	199	23	..	53	18	120
Wellington Aero	4	14.1	9.4	11.8	+1.6	18.3	19	2.8	1	189	20	+96	30	18	..
Upper Hutt, Trentham	50	14.2	6.6	10.4	..	19.2	19	-3.0	1	188	21	..	34	18	103
Stratford EWS	280	13.5	5.3	9.4	+1.2	16.9	19	-1.4	14	397	15	+207	148	18	114
Hawera AWS	100	14.2	7.4	10.8	+1.8	18.3	20	0.4	14	..	..	..	..	..	..
Ohakune EWS	607	11.8	3.2	7.5	+1.3	18.8	19	-4.7	14	..	..	..	..	..	..
Moawhango, Pokaka	462	13.8	3.2	8.5	..	21.5	19	-4.0	14	67	16	-2	33	26	..
Whanganui AWS	14	15.3	8.1	11.7	+1.6	21.4	20	1.2	11	..	..	..	..	..	..
Hokitika EWS	39	14.1	5.6	9.9	..	18.2	26	-2.2	11	362	19	..	75	17	..
Richmond EWS	1	14.0	4.8	9.4	..	17.4	20	-1.7	11	272	13	..	110	19	159
Hanmer Forest EWS	363	14.5	0.9	7.7	+1.8	23.4	17	-5.9	13	..	..	..	..	..	..
Culverden AWS	181	14.4	3.1	8.8	..	22.7	17	-3.4	14	38	13	..	18	7	..
Cheviot EWS	75	14.5	2.8	8.7	..	22.2	6	-3.4	12	62	12	..	23	7	..
Mt Somers, Somer Down	372	13.0	2.9	8.0	..	21.1	18	-4.6	10	140	19	..	34	6	..
Christchurch Botanic	17	14.4	4.3	9.4	..	20.8	24	-2.0	10	..	..	..	..	..	..
Lincoln, Broadfield E	18	13.7	4.3	9.0	+1.4	20.6	24	-2.7	10	36	11	-25	13	7	151
Windsor EWS	81	13.7	2.3	8.0	+1.8	18.9	20	-3.5	9	25	15	-7	15	7	..
Ranfurly EWS	450	11.7	0.2	6.0	+1.7	17.7	31	-7.1	10	35	11	+13	10	7	..
Middlemarch EWS	213	13.4	0.8	7.1	+1.5	..	..	-7.3	10	30	12	..	14	7	150
Dunedin, Musselburgh	4	12.9	5.4	9.2	+1.5	20.2	5	-1.7	10	18	11	-38	9	7	166
Cromwell EWS	213	13.3	0.4	6.9	+1.3	20.6	5	-6.3	10	65	11	..	14	7	175
Lauder EWS	375	11.9	0.6	6.3	+1.4	19.0	5	-7.3	10	45	11	+25	8	18	..
Clyde 2 EWS	170	12.9	-0.9	6.0	..	19.9	5	-7.2	10	52	13	..	11	19	..
Invercargill Aero 2 E		12.6	1.6	7.1	..	18.1	5	-6.4	10	56	14	..	13	16	164

Late returns and corrections for July 2022

Cape Turnagain AWS	285	11.1	7.7	9.4	..	16.3	8	4.4	16
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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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