



# Climate Database Statistics Report

September 2024

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 2024*

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		mm		mm	mm		Hrs
Cape Reinga AWS	213	16.1	10.9	13.5	+0.2	..	..	7.4	20	..	..	..	..	..	..
Kaitaia Aero EWS	80	18.0	10.3	14.2	+0.8	21.3	22	4.6	29	48	16	-50	10	16	..
Kaitaia Airport AWS	77	17.6	10.2	13.9	..	20.3	22	4.6	29	53	17	..	10	16	..
Kaitaia EWS	85	17.9	11.1	14.5	+1.4	21.6	2	5.9	12	53	15	-69	12	14	152
Kerikeri EWS	79	19.0	8.8	13.9	+0.7	24.0	1	4.2	9	26	13	-116	7	14	..
Kerikeri Aerodrome Aw	149	18.1	8.7	13.4	+0.6	22.8	1	4.4	12	40	17	-119	8	16	..
Kaikohe AWS	204	16.5	9.5	13.0	+0.5	21.1	22	6.2	12	55	22	-69	15	16	..
Trounson CWS	244	16.5	9.3	12.9	+1.2	21.1	22	4.3	9	144	17	+2	30	27	..
Dargaville 2 EWS	66	17.2	10.7	14.0	+0.9	21.3	3	6.7	18	53	16	-45	18	14	99
Purerua AWS	87	17.9	10.1	14.0	+0.7	21.4	23	6.6	18	35	18	-69	8	14	..
Whangarei Aero AWS	37	18.0	10.3	14.2	+0.7	22.7	3	6.5	12	49	15	-63	13	17	..
Whangarei EWS	12	18.8	..	..	..	23.1	1	4.6	9	37	14	..	10	27	178
Mokohinau Island AWS	70	16.3	12.1	14.2	+0.4	..	..	..	..	..	..	..	..	..	..
Leigh 2 EWS	27	18.7	10.9	14.8	..	21.9	1	6.5	18	42	14	-52	10	16	..
Warkworth EWS	72	17.0	8.2	12.6	+0.4	..	..	..	..	49	15	-81	11	16	..
Whangaparaoa AWS	100	17.6	10.5	14.1	+0.9	20.6	1	5.8	18	44	18	-44	10	14	..
Auckland, Whenuapai A	26	16.8	9.6	13.2	+0.6	20.2	22	3.0	12	78	20	..	23	20	..
Auckland, North Shore	64	17.2	9.9	13.6	+1.0	20.5	3	4.4	18	76	16	-30	19	20	..
Auckland, Motat EWS	16	17.3	..	..	..	20.4	22	4.8	12	77	17	..	20	20	189
Waiheke Island, Awaro	34	17.1	7.9	12.5	-0.3	20.2	1	1.5	12	54	13	-53	17	20	..
Manukau Heads EWS	240	14.4	..	..	..	18.0	3	4.4	18	108	19	..	25	14	171
Whitianga Aero AWS	5	17.7	9.2	13.5	+1.1	21.2	3	3.1	12	50	16	-115	16	19	..
Whitianga EWS	1	18.3	9.0	13.7	+0.9	21.8	3	2.3	12	41	12	..	14	19	..
Thames EWS	3	17.7	..	..	..	20.9	3	2.5	18	45	12	..	13	19	..
Matamata, Hinuera EWS	85	16.8	6.3	11.6	+0.7	20.0	2	-0.6	18	39	12	-67	8	14	..
Tauranga CWS	3	17.4	..	..	..	..	..	..	..	..	..	..	..	..	..
Tauranga Aero AWS	2	17.8	9.0	13.4	+0.9	21.0	1	4.3	22	26	13	-61	10	19	223
Whakatane Aero AWS	8	17.6	6.5	12.1	+0.4	..	..	..	..	14	13	-75	4	14	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	229
Whakatane EWS	1	18.3	..	..	..	22.0	29	2.8	18	9	7	..	3	20	..
Mamaku Radar WXT AWS	117	11.2	5.5	8.4	+0.1	..	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	20.3	6.4	13.4	+1.3	23.5	1	1.2	18	..	..	..	..	..	..
Rotorua EWS	288	15.4	..	..	..	19.2	2	-1.7	18	25	9	..	14	14	..
Rotorua Aero AWS	286	15.2	5.9	10.6	+0.5	18.3	2	-1.1	18	33	12	-74	15	14	..
Galatea AWS	175	16.7	4.8	10.8	+0.5	19.6	15	-0.9	12	29	19	..	7	14	..
Taupo CWS	360	15.7	..	..	..	19.7	30	-0.2	5	47	15	..	23	14	..
Tarapounamu EWS	701	11.8	3.4	7.6	+0.1	17.3	30	-1.9	18	56	17	-92	21	14	..
Taupo Aero AWS	402	14.2	5.4	9.8	+0.6	17.8	3	-2.8	18	41	17	-38	20	14	..
Motu EWS	488	15.8	4.4	10.1	+1.4	19.6	29	-2.3	12	67	15	-132	24	14	..
Auckland, Mangere 2 E	16	17.1	10.7	13.9	..	20.5	22	5.5	12	74	15	-35	28	14	200
Auckland Aero	7	17.1	10.9	14.0	+0.9	21.2	22	6.7	12	80	18	-20	32	14	..
Auckland Aero Backup	7	17.1	11.0	14.1	+1.0	21.2	22	6.8	12	71	19	..	28	14	..
Ardmore Aero AWS	41	17.1	8.7	12.9	..	19.8	1	2.2	18	..	..	..	..	..	..
Pukekohe EWS	88	16.7	9.1	12.9	+0.6	20.7	22	4.0	12	92	18	-16	18	14	..
Firth Of Thames EWS	3	17.5	..	..	..	20.3	1	0.7	12	51	14	-49	13	19	178
Whatawhata 2 EWS	118	16.1	8.3	12.2	+0.5	19.7	2	2.0	18	100	19	-61	27	14	..
Hamilton, Ruakura 2 E	45	17.1	7.1	12.1	+0.5	20.5	2	1.4	12	60	16	-40	19	14	177
Hamilton Aero AWS	53	16.6	6.5	11.6	+0.2	20.0	2	0.3	18	79	21	-25	28	14	..
Port Taharoa AWS	18	15.6	10.9	13.3	+0.6	18.1	22	4.1	18	101	21	-8	24	13	..
Awakino EWS	400	12.7	7.0	9.9	..	17.4	2	2.6	18	162	19	+38	25	14	127
Waikeria EWS	37	16.9	..	..	..	19.9	2	-1.1	18	76	16	-25	25	14	173
Te Kuiti EWS	61	17.0	5.7	11.4	+0.0	20.4	30	0.7	5	88	14	-50	21	13	154
Pureora Forest CWS	549	12.9	4.1	8.5	+0.4	17.3	30	..	..	116	17	-63	21	14	..
Taumarunui EWS	170	15.9	..	..	..	..	..	..	..	..	..	..	..	..	..
Taumarunui AWS	186	15.6	5.3	10.5	+0.1	20.8	30	-0.3	5	132	24	..	20	14	154
Turangi 2 EWS	360	14.4	3.5	9.0	-0.1	19.0	30	-3.7	12	95	16	-42	16	14	191
New Plymouth Aero AWS	28	15.4	8.4	11.9	+0.3	17.3	22	2.7	28	101	21	-22	21	14	210
Lower Retaruke CWS	233	15.4	..	..	..	20.5	30	..	..	131	20	-24	17	13	..
Mt Ruapehu, Chateau E	1097	9.4	1.2	5.3	+0.4	15.3	30	-3.0	6	124	20	-159	17	14	..
Pahiatua EWS	110	15.0	6.2	10.6	+0.5	20.6	3	-2.3	5	130	19	..	22	19	..
Masterton Aero AWS	105	15.9	4.5	10.2	+0.1	..	..	..	..	..	..	..	..	..	..
Masterton EWS	90	16.4	..	..	..	20.4	30	-1.4	5	63	14	..	24	3	187
Masterton, Te Ore Ore	110	16.8	5.1	11.0	+0.1	20.3	24	-0.3	5	65	14	-8	27	3	..

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		A Max	B Min			Max	Date	Min	Date				Fall	Date	
	Metres	°C	°C	°C	°C	°C		°C		mm		mm	mm		Hrs
Takapau Plains AWS	346	14.6	5.5	10.1	+0.8	23.3	3	-1.1	5	64	16	-23	23	14	..
Dannevirke EWS	207	15.8	6.9	11.4	+1.4	24.1	3	-0.4	5	79	15	-12	27	14	178
Cape Turnagain AWS	285	12.8	8.0	10.4	+0.6	..	..	3.1	18	..	..	..	..	..	..
Akitio EWS	245	14.0	7.2	10.6	+0.8	21.9	3	2.0	18	72	14	..	18	14	210
Castlepoint AWS	120	14.7	8.9	11.8	+0.4	19.2	3	3.5	18	69	13	+7	22	3	..
Te Wharau, Brackenfie	292	14.7	4.7	9.7	+0.1	18.2	24	-0.7	28	89	12	-57	20	4	..
Martinborough EWS	20	15.9	6.3	11.1	+0.5	19.5	30	0.1	5	63	14	+3	15	3	155
Ngawi AWS	8	16.2	10.3	13.3	+0.9	19.0	7	6.3	5	52	9	-20	20	26	..
Hicks Bay AWS	46	16.8	10.4	13.6	+0.9	19.5	1	5.0	18	52	12	-48	18	14	..
Gisborne Aero AWS	5	18.5	7.9	13.2	+1.0	22.7	2	2.5	6	48	9	-23	25	17	232
Gisborne EWS	12	19.3	7.7	13.5	+0.9	23.4	2	2.4	12	36	8	-37	21	17	..
Tolaga Bay WXT AWS	15	18.0	7.8	12.9	+0.9	24.4	3	2.5	12	..	..	..	..	..	..
Tutira CWS	235	16.7	..	..	..	21.7	2	1.1	12	35	10	-102	24	17	..
Napier Aero AWS	3	18.5	6.6	12.6	+0.8	24.0	7	-0.3	12	31	8	-27	23	17	..
Napier EWS	7	18.9	..	..	..	24.7	7	1.3	12	22	5	-36	18	17	234
Maraekakaho CWS	150	17.9	..	..	..	22.9	3	0.2	12	13	5	..	10	17	..
Hastings AWS	16	18.9	5.6	12.3	+0.5	24.3	22	0.5	12	18	6	..	15	17	..
Whakatu EWS	5	19.4	4.8	12.1	+1.1	24.7	7	0.4	6	16	8	-34	14	17	..
Waipawa EWS	130	16.8	3.7	10.3	+0.0	23.8	3	-2.5	12	23	7	-42	8	14	184
Wairoa, North Clyde E	15	18.5	6.7	12.6	+0.6	24.2	2	1.9	18	40	9	-48	23	17	..
Wairoa Aero AWS	13	18.1	6.3	12.2	+0.8	23.6	2	1.1	18	59	13	..	26	17	..
Mahia AWS	136	15.8	9.1	12.5	+0.6	20.8	1	6.0	18	..	..	..	..	..	..
Cape Kidnappers WXT A	113	16.0	10.3	13.2	+1.4	21.9	7	5.6	18	..	..	..	..	..	..
Paraparaumu Aero AWS	8	15.0	8.4	11.7	+0.6	17.4	24	0.5	18	133	18	+49	48	3	184
Paraparaumu Aero EWS	5	15.5	8.4	12.0	..	17.9	24	0.4	18	120	16	+40	46	3	176
Ohakea AWS	47	15.1	7.9	11.5	+0.2	20.1	3	1.4	18	144	18	..	25	17	..
Palmerston North Aero	39	15.5	7.2	11.4	+0.4	..	..	..	..	..	..	..	..	..	..
Palmerston North EWS	21	15.9	7.3	11.6	+0.6	19.9	30	0.5	18	142	16	+53	52	19	155
Levin AWS	15	15.2	7.8	11.5	+0.4	18.7	30	-0.4	18	120	20	+25	55	3	..
Levin EWS	23	15.7	..	..	..	19.1	30	-1.1	18	101	16	..	50	3	155
Mana Island AWS	110	13.4	9.4	11.4	+1.0	17.6	24	3.6	18	..	..	..	..	..	..
Porirua, Elsdon Park	7	14.9	..	..	..	..	..	..	..	..	..	..	..	..	..
Wellington, Kelburn A	125	14.3	8.7	11.5	+0.6	19.6	24	2.8	18	123	16	+15	41	16	197
Wellington Aero	4	15.2	9.6	12.4	+0.8	19.3	24	4.3	5	103	15	+23	33	16	..
Wellington, Greta Poi	3	17.8	..	..	..	23.1	24	5.4	18	99	12	..	37	16	..
Wellington Aero Backu	4	15.0	9.8	12.4	+0.9	..	..	..	..	106	15	+23	33	16	..
Upper Hutt, Trentham	50	15.2	6.7	11.0	+1.0	18.8	30	-0.4	5	123	18	-1	45	3	174
Stratford EWS	280	14.0	6.2	10.1	+0.3	17.9	7	0.9	18	198	19	+8	30	14	171
Manaia, Motumate Stm	105	16.6	..	..	..	21.4	2	1.1	5	130	24	..	26	16	..
Hawera AWS	100	14.8	8.3	11.6	+1.0	18.9	30	1.0	5	134	23	+32	42	14	..
Ohakune EWS	607	12.7	4.5	8.6	+0.5	..	..	..	..	..	..	..	..	..	..
Waiouru Aero AWS	820	11.4	2.5	7.0	+0.8	..	..	..	..	104	22	..	24	10	..
Waiouru EWS	803	11.1	..	..	..	17.4	30	-3.6	5	63	22	-43	10	14	..
Taihape Rec	433	15.2	5.0	10.1	+1.0	22.0	3	-2.0	18	101	19	+16	19	14	..
Flat Hills WXT AWS	262	14.5	7.1	10.8	+0.7	19.7	3	0.6	5	109	24	+8	21	14	..
Whanganui, Spriggens	15	16.4	9.1	12.8	+0.9	20.7	2	3.7	5	83	16	+7	17	14	..
Whanganui Aero AWS	14	15.9	9.1	12.5	+0.9	20.3	2	4.0	5	95	17	+19	17	14	..
Wanganui 2 AWS	18	17.2	8.7	13.0	+1.0	22.0	2	3.0	5	..	..	..	..	..	..
Takaka EWS	20	16.8	3.7	10.3	+0.1	21.0	7	-0.6	18	80	16	-101	21	13	226
Farewell Spit AWS	3	17.6	9.0	13.3	+1.1	20.2	29	3.6	18	68	17	-48	12	2	..
Westport Aero AWS	5	14.1	7.1	10.6	-0.1	16.2	1	3.1	18	256	27	+73	64	13	..
Westport EWS	6	14.3	..	..	..	16.2	1	2.9	18	230	24	..	49	13	..
Arapito EWS	3	14.8	6.2	10.5	+0.2	19.0	2	1.7	18	221	21	+9	35	26	152
Hokitika Aero	39	13.7	6.0	9.9	+0.0	16.7	2	0.1	18	331	25	+86	48	13	130
Hokitika Aero AWS	40	13.8	6.1	10.0	+0.2	16.6	2	0.3	18	328	25	+120	45	13	178
Hokitika EWS	39	13.7	5.9	9.8	..	16.8	2	-0.1	18	317	21	..	47	13	..
Reefton EWS	198	14.4	4.8	9.6	+0.0	19.0	30	-0.7	18	184	24	+7	29	26	135
Greymouth Aero EWS	5	14.1	6.7	10.4	+0.2	17.1	2	1.4	18	248	23	+47	36	13	146
Pigeon Creek CWS	105	13.3	5.9	9.6	+0.2	18.0	2	-0.5	18	656	27	..	76	12	..
Mt Philistine EWS	1655	1.6	..	..	..	7.8	30	-8.6	18	392	27	..	119	26	..
Mahanga EWS	1995	1.6	-4.3	-1.4	-0.8	9.9	30	-10.6	18	189	26	..	42	26	..
Ivory Glacier CWS	1390	4.8	-3.0	0.9	..	12.6	30	-9.0	18	774	26	+200	144	26	..
Okarito EWS	1	13.2	..	..	..	15.5	1	-1.1	18	474	24	..	65	26	..

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	Metres	°C	°C	°C	°C	°C		°C		mm		mm	mm		Hrs
Franz Josef EWS	80	12.7	4.7	8.7	-0.4	15.6	29	-1.1	18	652	25	+262	93	26	109
Franz Josef @ Crawford	1612	2.5	..	..	..	11.8	30	-8.4	17	278	20	..	56	6	..
Milford Sound AWS	3	12.3	4.4	8.4	-0.3	17.9	2	0.5	17	1174	24	+633	146	6	..
Milford Sound EWS	3	12.2	..	..	..	17.0	2	0.8	17	1190	29	..	146	6	..
Castle Mount EWS	2000	-0.7	..	..	..	5.2	30	-11.1	17	290	22	..	112	6	..
Secretary Island AWS	19	12.0	7.0	9.5	-0.7	..	..	..	..	..	..	..	..	..	..
Puysegur Point AWS	45	11.8	7.4	9.6	+0.0	17.3	2	3.4	14	..	..	..	..	..	..
Stephens Island AWS	188	13.9	9.2	11.6	..	16.1	24	3.6	18	65	15	..	18	20	..
Motueka, Riwaka EWS	8	16.9	4.3	10.6	+0.2	22.6	7	-1.8	18	22	13	-89	9	13	..
Pelorus Sd, Crail Bay	13	16.4	..	..	..	20.2	24	..	..	114	16	-46	23	13	..
Nelson Aero	2	16.3	5.9	11.1	+0.4	20.3	7	-0.4	18	48	13	-37	21	3	..
Appleby 2 EWS	18	16.9	4.1	10.5	+0.6	21.0	7	-2.9	18	19	12	-59	7	13	223
Richmond EWS	1	16.2	4.4	10.3	-0.2	20.4	7	-2.3	18	38	11	..	17	3	232
Nelson Aero AWS	6	16.2	6.3	11.3	+0.6	20.2	7	-0.5	18	44	12	-35	18	3	..
Blenheim Research EWS	4	17.5	6.8	12.2	+1.0	21.3	1	-0.7	18	35	9	-19	19	16	239
Wairau Valley, Mill R	172	16.1	5.7	10.9	+0.7	20.7	30	-2.0	18	46	7	-49	18	13	..
Blenheim Aero AWS	36	16.7	5.0	10.9	+0.6	20.5	30	-2.2	18	52	10	-10	18	13	..
Brothers Island AWS	68	14.8	10.5	12.7	+1.1	..	..	..	..	..	..	..	..	..	..
Cape Campbell AWS	6	14.5	9.1	11.8	+0.8	20.8	24	4.1	18	65	10	+21	17	16	..
Hanmer Forest EWS	363	17.5	2.4	10.0	+1.6	24.8	30	-4.2	18	42	11	-42	15	3	..
Kaikoura, Middle Cree	5	15.6	..	..	..	24.3	7	-1.2	18	54	12	..	17	14	..
Kaikoura AWS	108	15.5	7.6	11.6	+1.1	22.7	3	2.5	17	47	10	-7	16	14	..
Arthurs Pass	745	9.2	1.8	5.5	+0.0	15.2	30	-4.0	18	541	24	+89	78	26	..
Arthurs Pass EWS	745	9.2	1.8	5.5	+0.0	15.4	30	-4.1	18	560	22	..	82	26	..
Arthurs Pass AWS	743	8.7	1.6	5.2	-0.1	..	..	..	..	..	..	..	..	..	..
Culverden AWS	181	16.1	4.8	10.5	+1.1	21.2	7	-3.4	18	26	7	-16	12	3	..
Medbury CWS	232	15.7	..	..	..	..	..	..	..	..	..	..	..	..	..
Balmoral East CWS	172	16.7	..	..	..	21.5	7	-4.0	18	18	4	..	9	3	..
Waipara North Branch	497	14.0	..	..	..	21.4	30	-5.9	18	49	13	..	18	3	..
Waiau School CWS	136	17.5	4.4	11.0	+1.0	23.7	7	-3.5	18	27	5	-33	10	3	..
Cheviot EWS	75	17.1	4.4	10.8	+1.3	24.0	7	-3.2	18	41	9	-10	10	16	195
Upper Rakaia EWS	1752	2.5	..	..	..	11.4	30	-9.0	17	173	24	+30	39	2	..
Mt Potts EWS	2128	0.3	-5.4	-2.6	-1.4	9.4	30	-12.8	17	..	..	..	..	..	..
Mt Cook EWS	730	10.7	1.9	6.3	-0.3	21.2	30	-3.6	17	676	23	+315	105	1	122
Mueller Hut EWS	1818	2.2	..	..	..	9.9	30	-10.7	17	311	22	..	77	2	..
Mt Cook Aero AWS	656	11.6	1.8	6.7	+0.3	..	..	..	..	..	..	..	..	..	..
Cass EWS	571	13.4	..	..	..	20.9	30	-6.3	18	146	20	..	24	26	..
Methven CWS	313	15.7	5.1	10.4	+1.2	24.3	7	..	..	..	..	..	..	..	..
Te Pirita at Sharland	208	16.1	..	..	..	23.4	7	-1.0	18	55	9	..	25	13	..
Winchmore 2 EWS	164	16.4	3.0	9.7	..	25.6	7	-2.3	28	41	9	-11	17	13	227
Mayfield at Ruapuna F	325	14.9	..	..	..	21.0	7	-2.5	18	72	12	..	16	13	..
Peel Forest	286	16.2	2.4	9.3	+0.8	25.0	1	-2.8	18	77	15	+0	17	13	..
Lismore, Racemans Hou	168	16.1	..	..	..	23.0	7	-0.8	18	59	8	..	30	13	..
Ashburton Council	101	17.5	5.0	11.3	+1.4	24.6	7	1.0	18	47	13	-4	18	13	..
Ashburton Aero AWS	88	16.6	4.4	10.5	+1.4	24.6	7	-1.3	28	39	14	+2	15	13	225
Wakanui 2 CWS	53	16.4	..	..	..	24.9	7	-0.4	18	29	8	..	11	13	..
Waipara West EWS	130	16.9	6.2	11.6	+1.3	23.2	7	-0.5	18	43	7	-9	17	13	197
Ohoka CWS	39	16.2	..	..	..	24.2	7	-1.3	18	..	..	..	..	..	..
Rangiora EWS	23	16.5	3.8	10.2	+0.7	24.1	7	-2.2	18	35	9	+1	10	16	190
Christchurch Aero	37	16.2	3.6	9.9	+0.6	24.6	7	-2.1	28	41	13	-1	16	16	225
Christchurch Aero Bac	37	16.2	3.6	9.9	+0.7	24.6	7	-2.2	28	..	..	..	..	..	..
Christchurch Gardens	7	17.7	5.0	11.4	+1.1	26.0	7	-1.0	18	30	10	-13	13	16	..
Christchurch, Kyle St	6	18.5	4.1	11.3	+0.9	27.5	7	-2.3	18	30	9	-10	14	16	..
Christchurch Botanic	17	17.1	4.9	11.0	..	..	..	..	..	27	10	..	13	16	..
Bromley EWS	3	16.0	..	..	..	24.6	7	-0.8	18	24	6	..	8	16	228
Lincoln, Broadfield E	18	16.4	4.9	10.7	+1.0	24.2	7	-1.4	18	29	7	-10	13	16	226
Lincoln, Broadfield E	17	16.5	..	..	..	24.7	7	-1.5	28	31	8	..	13	16	223
Sugar Loaf AWS	496	13.4	5.5	9.5	+1.0	20.3	7	-0.1	17	..	..	..	..	..	..
Diamond Harbour EWS	122	15.8	..	..	..	23.7	7	0.6	18	26	8	..	15	16	240
Akaroa EWS	45	17.2	7.2	12.2	+1.3	23.8	7	2.4	18	43	9	-32	18	16	203
Le Bons Bay AWS	238	13.4	6.8	10.1	+0.8	19.3	7	1.2	17	55	15	+9	19	16	..
Lake Tekapo, Air Safa	762	12.5	0.6	6.6	+0.1	20.5	30	-7.6	17	47	19	-3	7	21	..
Lake Tekapo EWS	762	13.4	0.9	7.2	+0.5	20.9	30	-7.8	17	51	17	+17	8	4	194

*Summary of the records of Temperature, Rainfall and Sunshine September 2024*

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		mm		mm	mm		Hrs
Fairlie AWS	403	14.9	3.7	9.3	+0.9	21.5	7	-1.5	18	60	15	..	19	3	..
Pukaki Aerodrome AWS	461	14.8	0.6	7.7	+0.3	22.3	30	-5.6	18	65	20	+20	12	12	..
Orari Estate	81	16.9	3.0	10.0	+1.0	24.1	7	-1.7	18	77	9	+33	31	13	..
Orari Estate EWS	81	16.7	3.0	9.9	+0.9	24.0	7	-1.6	18	75	9	..	31	13	..
Timaru Aero AWS	27	16.2	2.7	9.5	+0.9	24.0	7	-3.2	18	39	11	+4	18	3	..
Timaru EWS	17	15.6	5.0	10.3	+1.2	23.8	7	0.5	11	50	9	+17	19	3	..
Waimate CWS	39	15.9	4.2	10.1	+1.1	23.9	7	-0.8	18	54	9	+18	15	26	..
Oamaru Airport AWS	30	14.6	3.3	9.0	+0.4	22.5	2	..	..	47	11	+16	10	12	..
Albert Burn	1280	5.4	-1.9	1.8	-1.1	12.0	30	-7.6	17	615	24	+370	151	1	..
Mt Larkins EWS	1900	-0.1	..	..	..	5.7	30	-11.0	17	102	22	..	33	2	..
Eglinton, Knobs Flat	365	10.3	2.0	6.2	-0.9	..	..	-2.0	17	633	26	+423	104	1	..
Tara Hills AWS	485	13.7	1.7	7.7	+0.2	22.2	30	-2.6	18	79	13	+41	23	1	..
Wanaka CWS	331	13.2	..	..	..	20.1	30	-1.4	18	130	16	..	35	12	..
Wanaka Aero AWS	352	13.1	3.0	8.1	-0.3	19.8	30	-1.1	17	126	18	+76	29	12	..
Windsor EWS	81	16.2	2.5	9.4	+0.7	22.8	2	-1.8	11	35	9	+12	14	12	..
Ranfurly EWS	450	14.1	1.3	7.7	+0.5	21.6	30	-3.6	18	57	11	+29	18	12	..
Oamaru AWS	40	15.2	4.8	10.0	+0.8	22.4	2	0.8	28	54	12	+24	20	12	..
Palmerston	21	15.8	3.1	9.5	+0.9	21.9	2	-2.1	22	83	11	+40	30	12	..
Middlemarch EWS	213	15.6	3.4	9.5	+1.1	23.7	30	-3.1	5	66	14	+20	29	12	182
Dunedin Aero AWS	2	15.1	3.3	9.2	+0.4	21.2	2	-2.2	21	50	15	+9	21	15	..
Dunedin, Musselburgh	4	14.9	6.2	10.6	+1.1	22.0	2	1.8	20	66	19	+19	29	15	175
Oamaru EWS	20	14.7	..	..	..	22.2	7	0.0	11	37	8	..	13	15	192
Murchison Mtns EWS	1140	5.2	-0.2	2.5	-0.2	..	..	..	..	..	..	..	..	..	..
Takahe Valley CWS	895	6.2	-0.7	2.8	-0.4	11.8	30	-5.2	17	537	25	..	91	1	..
Te Anau At Park HQ Cw	204	10.4	..	..	..	15.2	30	-1.3	17	..	..	..	..	..	..
Manapouri, West Arm J	178	9.8	3.4	6.6	-0.6	14.1	30	-1.1	16	864	27	+489	166	1	..
Manapouri Aero AWS	209	11.5	2.7	7.1	-0.4	..	..	-2.5	4	..	..	..	..	..	..
Birchwood WXT AWS	149	12.2	4.2	8.2	-0.2	..	..	..	..	..	..	..	..	..	..
Queenstown EWS	322	12.9	..	..	..	19.8	2	-1.0	17	220	21	..	39	12	..
Queenstown Aero AWS	357	12.3	3.0	7.7	+0.0	18.6	2	-1.1	18	202	23	+140	36	12	166
Five Rivers CWS	260	12.9	..	..	..	18.7	2	-0.9	17	..	..	..	..	..	..
Lumsden AWS	194	12.9	3.9	8.4	+0.3	19.3	2	-0.5	20	171	23	+106	26	15	..
Waipounamu CWS	152	13.6	..	..	..	..	..	..	..	..	..	..	..	..	..
Cromwell EWS	213	15.6	2.9	9.3	+0.0	22.8	30	-1.1	17	87	14	+60	33	12	191
Lauder EWS	371	14.4	2.3	8.4	+0.4	..	..	..	..	..	..	..	..	..	..
Ophir 2	305	14.7	0.5	7.6	+0.1	22.2	30	-4.2	22	68	13	+47	37	12	..
Alexandra	150	16.4	2.4	9.4	+0.1	..	..	..	..	78	13	+57	27	12	157
Clyde 2 EWS	170	16.0	1.8	8.9	+0.2	23.4	30	-2.3	18	89	14	+63	23	12	..
Alexandra AWS	231	14.8	2.4	8.6	+0.4	22.2	30	-2.1	18	81	12	..	25	12	..
Alexandra EWS	132	15.8	..	..	..	22.9	30	-1.3	18	70	11	..	23	12	177
Roxburgh WXT AWS	160	14.6	4.9	9.8	+0.4	19.9	30	1.0	27	78	20	..	23	12	..
Ettrick No.2	91	15.4	2.8	9.1	+0.3	20.2	2	-2.0	20	72	12	+33	15	2	..
Tapanui EWS	180	13.6	..	..	..	19.8	2	-1.2	14	102	22	..	21	2	..
Gore AWS	123	12.9	4.9	8.9	+0.5	19.8	2	0.4	17	143	23	+77	20	2	..
Gore EWS	60	13.3	..	..	..	20.6	2	0.2	13	120	22	..	17	26	149
Invercargill Aero	1	12.6	4.4	8.5	-0.1	17.8	2	-1.0	16	146	25	+60	20	26	119
Invercargill Aero AWS	3	12.6	4.5	8.6	+0.1	17.9	2	-0.7	16	152	24	+62	20	26	..
Invercargill Aero 2 E		12.6	3.9	8.3	-0.1	17.8	2	-1.6	16	137	25	+47	19	26	135
Tiwai Point EWS	5	12.3	5.4	8.9	-0.1	17.0	2	1.5	16	171	26	+86	21	1	..
Stewart Island EWS	3	12.6	..	..	..	17.1	2	-0.8	16	207	26	..	30	1	..
Balclutha, Telford Ew	11	14.0	3.9	9.0	+0.8	21.3	2	-0.3	20	87	20	+42	29	15	134
Balclutha, Finegand E	6	14.0	..	..	..	21.1	2	0.5	21	..	..	..	..	..	..
Nugget Point AWS	131	12.3	5.4	8.9	+0.3	19.0	2	0.5	17	96	22	+42	35	15	..
Tautuku EWS	25	13.2	..	..	..	19.4	2	0.7	17	151	24	..	26	15	..
South West Cape AWS	103	10.9	6.0	8.5	-0.4	..	..	..	..	..	..	..	..	..	..
Solomon, Taro Is	3	30.7	..	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Munda	6	..	24.9	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	32.4	24.0	28.2	..	..	..	21.9	8	..	..	..	..	..	..
Solomon, Henderson	9	32.3	22.9	27.6	..	..	..	..	..	..	..	..	..	..	..
Solomon, Santa Cruz	24	..	24.9	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Pekoa	56	28.9	21.9	25.4	..	..	..	19.3	22	..	..	..	..	..	..
Vanuatu, Bauerfield	20	28.2	19.0	23.6	..	..	..	15.7	1	..	..	..	..	..	..
New Cal, Koumac	18	27.2	17.5	22.4	..	31.2	27	14.1	6	..	..	..	..	..	..

*Summary of the records of Temperature, Rainfall and Sunshine September 2024*

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		mm		mm	mm		Hrs
New Cal, Oulop	7	26.6	20.5	23.6	..	28.6	14	14.9	17	..	..	..	..	..	..
New Cal, Ouanaham	29	26.4	18.8	22.6	..	28.3	14	11.5	18	..	..	..	..	..	..
New Cal, Nouma	72	27.4	18.8	23.1	..	31.3	29	16.6	8	..	..	..	..	..	..
Kiribati,Butaritari	2	32.5	26.5	29.5	..	..	..	..	..	..	..	..	..	..	..
Kiribati,Tarawa	2	..	26.8	..	..	..	..	23.7	4	..	..	..	..	..	..
Kiribati, Bonriki Int	4	32.2	27.1	29.7	..	33.1	2	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	31.2	26.8	29.0	..	..	..	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	29.7	19.9	24.8	..	..	..	17.1	5	..	..	..	..	..	..
Fiji,Nausori Aero	6	27.3	20.4	23.9	..	30.0	16	16.7	5	..	..	..	..	..	..
Wallis Island, Hihifo	27	29.8	25.0	27.4	..	31.1	20	21.1	7	..	..	..	..	..	..
Maopoopo, Futuna Isla	36	29.2	24.2	26.7	..	31.4	16	20.5	7	..	..	..	..	..	..
Samoa,Faleolo	4	30.7	23.1	26.9	..	32.5	9	..	..	..	..	..	..	..	..
Samoa, Apia	1	29.7	23.4	26.6	..	32.4	20	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	29.7	25.4	27.6	..	..	..	23.4	6	..	..	..	..	..	..
Tonga,Keppel	2	29.2	22.5	25.9	..	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	26.7	19.6	23.2	..	28.0	17	14.2	4	..	..	..	..	..	..
Salote Pilolevu Airpo	2	26.1	22.1	24.1	..	..	..	19.9	19	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	25.6	18.4	22.0	..	28.8	15	11.9	6	..	..	..	..	..	..
CI Rarotonga Aero	7	26.5	21.0	23.8	..	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	30.7	23.2	27.0	..	32.6	10	21.5	1	..	..	..	..	..	..
Tahiti - Faaa	1	29.2	23.2	26.2	..	30.4	27	21.0	2	..	..	..	..	..	..
Tuamotu, Takaraoa	2	29.9	24.5	27.2	..	31.0	27	22.5	30	..	..	..	..	..	..
Tuamotu, Hao	3	27.5	23.6	25.6	..	28.9	27	20.1	1	..	..	..	..	..	..
Gambier, Rikitea	91	23.4	19.1	21.3	..	25.9	26	15.9	1	..	..	..	..	..	..
Tubuai	2	24.9	19.8	22.4	..	27.2	12	16.9	17	..	..	..	..	..	..
Rapa	1	20.6	17.3	19.0	..	23.7	26	11.9	23	..	..	..	..	..	..
Raoul Island AWS	50	21.7	14.1	17.9	+0.9	24.1	21	10.5	27	71	15	-42	20	23	236
Enderby Is AWS	39	10.1	5.0	7.6	..	11.7	2	-0.1	17	..	..	..	..	..	..
Campbell Island AWS	16	8.5	3.5	6.0	+0.3	..	..	..	..	174	30	+61	19	6	..
Chatham Island Aero A	12	13.9	6.8	10.4	+0.3	..	..	..	..	..	..	..	..	..	..
Georg Von Neumayer	40	-15.3	-20.7	-18.0	..	-9.1	7	-32.8	1	..	..	..	..	..	..
Ant South Pole	2827	-56.1	-62.1	-59.1	..	-34.9	1	-71.8	20	..	..	..	..	..	..
Gen Belgrano 2	256	-11.5	-18.0	-14.8	..	-7.0	28	-23.7	23	..	..	..	..	..	..
Bellingshausen	16	-2.5	-5.7	-4.1	..	0.9	5	..	..	..	..	..	..	..	..
Base Jubany	4	-1.2	-6.3	-3.8	..	2.6	8	-12.4	30	..	..	..	..	..	..
Dinamet	10	-1.6	-6.3	-4.0	..	1.5	8	-11.8	30	..	..	..	..	..	..
V C Marambio	198	-9.8	-19.3	-14.6	..	12.5	21	-26.6	23	..	..	..	..	..	..
Eduardo Frei	10	-2.8	-5.8	-4.3	..	0.6	5	-11.8	30	..	..	..	..	..	..
Arturo Prat		-2.8	-4.7	-3.8	..	2.1	9	..	..	..	..	..	..	..	..
Great Wall	10	-1.8	-6.2	-4.0	..	0.9	9	-11.2	30	..	..	..	..	..	..
Bernado Ohiggins	10	-5.7	-9.1	-7.4	..	..	..	-19.0	29	..	..	..	..	..	..
Palmer Station	8	-2.9	-8.6	-5.8	..	..	..	..	..	..	..	..	..	..	..
Rothera Point	16	-6.3	-10.6	-8.5	..	-0.8	1	-16.5	17	..	..	..	..	..	..
Argentine Is, Faraday	11	-2.4	-8.9	-5.7	..	2.2	1	-14.5	17	..	..	..	..	..	..
Gen San Martin	4	-6.6	-13.3	-10.0	..	0.0	1	-23.3	11	..	..	..	..	..	..
Novolax Arevskaja	99	-14.6	-21.1	-17.9	..	-9.5	18	..	..	..	..	..	..	..	..
Maitri		-13.8	-20.6	-17.2	..	..	..	..	..	..	..	..	..	..	..
Syowa	21	-17.3	-25.7	-21.5	..	-7.3	3	-37.4	15	..	..	..	..	..	..
Mawson	16	-15.2	-23.1	-19.2	..	..	..	..	..	..	..	..	..	..	..
Davis	13	-13.5	-20.6	-17.1	..	-6.3	26	-27.3	21	..	..	..	..	..	..
Progress	64	-14.3	-17.3	-15.8	..	..	..	..	..	..	..	..	..	..	..
Mirnyj	30	-15.4	-20.4	-17.9	..	-9.3	25	..	..	..	..	..	..	..	..
Vostok	3420	-61.2	-68.6	-64.9	..	..	..	..	..	..	..	..	..	..	..
Casey	41	-12.7	-23.3	-18.0	..	..	..	-30.7	11	..	..	..	..	..	..
Durmout Durville	43	-14.4	-18.7	-16.6	..	-8.0	24	-26.0	10	..	..	..	..	..	..
Mcmurdo	24	-20.5	-31.0	-25.8	..	-8.6	2	-38.1	1	..	..	..	..	..	..
Arrival Heights EWS	187	-21.8	-30.7	-26.3	..	-9.2	2	-36.9	18	..	..	..	..	..	..
Scott Base 2 EWS	42	-22.0	..	..	..	-8.8	2	-45.0	1	..	..	..	..	..	..
Darwin Airport	31	34.3	14.1	24.2	..	36.7	10	10.5	27	..	..	..	..	..	..
Mangatawhiri Dam Ews	151	16.3	..	..	..	21.5	2	1.8	12	102	18	..	27	19	..
Skid Site Ews	415	13.2	..	..	..	..	..	..	..	..	..	..	..	..	..

*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			mm		mm	mm		Hrs
Late returns and corrections for August 2024															
Waiheke Island, Awaro	34	16.3	5.7	11.0	-0.6	19.1	31	-0.5	7	87	13	-48	20	17	..
Auckland Aero	7	16.2	8.6	12.4	+0.7	20.8	31	4.0	7	..	..	..	..	..	..
Wellington Aero	4	13.9	8.7	11.3	+1.0	17.3	12	1.5	4	159	17	+65	55	18	..
Mt Potts EWS	2128	-0.2	-5.2	-2.7	+0.1	5.9	4	-11.5	1	..	..	..	..	..	..
Mt Somers, Somer Down	372	13.4	1.8	7.6	..	20.0	31	-3.6	4	106	12	+23	29	8	..
Christchurch Aero	37	13.5	2.1	7.8	+0.5	19.9	29	-6.1	4	59	15	+1	29	18	178
Gore EWS	60	11.7	1.7	6.7	..	18.9	31	-5.7	3	42	16	..	11	24	177
Late returns and corrections for July 2024															
Gore EWS	60	9.8	0.8	5.3	..	16.1	25	-4.4	13	44	18	..	13	29	114
Late returns and corrections for June 2024															
Mt Potts EWS	2128	1.5	-2.9	-0.7	+1.4	7.4	2	-9.5	19	82	5	..	55	10	..
Gore EWS	60	10.2	2.1	6.2	..	16.6	1	-2.5	12	65	14	..	22	15	101
Late returns and corrections for May 2024															
Mt Potts EWS	2128	2.4	-4.0	-0.8	-1.0	9.1	5	-11.8	9	32	11	..	9	2	..
Gore EWS	60	11.0	2.4	6.7	..	19.0	31	-4.1	20	81	25	..	14	28	100
Late returns and corrections for April 2024															
Mt Potts EWS	2128	6.7	0.4	3.6	+1.2	12.0	7	-7.9	27	129	7	..	59	11	..
Gore EWS	60	15.5	6.5	11.0	..	21.9	9	1.3	23	66	12	..	24	11	121
Late returns and corrections for March 2024															
Mt Potts EWS	2128	7.3	0.5	3.9	-1.6	16.9	1	-7.4	16	..	..	..	..	..	..
Gore EWS	60	17.0	6.3	11.7	..	26.8	2	1.2	10	83	18	..	15	28	160
Late returns and corrections for February 2024															
Mt Potts EWS	2128	11.0	3.2	7.1	+0.0	16.4	5	-6.4	11	..	..	..	..	..	..
Gore EWS	60	19.4	8.8	14.1	..	26.6	5	2.7	9	62	14	..	20	6	153
Late returns and corrections for January 2024															
Mt Potts EWS	2128	11.0	3.0	7.0	+0.4	15.9	12	-5.1	24	..	..	..	..	..	..
Gore EWS	60	21.1	9.4	15.3	..	29.8	19	3.7	24	81	14	..	22	13	202
Late returns and corrections for December 2023															
Nelson Aero AWS	6	21.6	14.4	18.0	+1.2	25.4	31	10.0	13	65	12	-24	21	28	..
Gore EWS	60	19.2	8.6	13.9	..	25.9	15	1.8	5	75	22	..	18	12	199
Late returns and corrections for November 2023															
Nelson Aero AWS	6	19.5	11.0	15.3	+0.7	..	..	..	..	..	..	..	..	..	..
Gore EWS	60	17.2	6.1	11.7	..	23.0	21	-1.3	10	76	16	..	17	4	167
Late returns and corrections for October 2023															
Nelson Aero AWS	6	17.4	8.5	13.0	+0.3	22.6	31	2.6	28	36	10	-50	12	16	..
Late returns and corrections for September 2023															
Nelson Aero AWS	6	16.2	7.8	12.0	+1.3	20.3	17	1.9	1	79	17	+0	35	11	..
Late returns and corrections for August 2023															
Nelson Aero AWS	6	12.8	3.1	8.0	-0.8	16.6	21	-1.0	12	71	12	-10	48	19	..
Late returns and corrections for July 2023															
Nelson Aero AWS	6	13.9	4.3	9.1	+1.4	..	..	..	..	..	..	..	..	..	..
Late returns and corrections for June 2023															
Nelson Aero AWS	6	15.1	5.5	10.3	+1.8	17.6	12	0.4	8	84	20	-13	45	26	..
Late returns and corrections for May 2023															
Nelson Aero AWS	6	17.0	9.4	13.2	+2.0	21.3	1	2.8	12	221	23	+135	67	5	..

*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			mm		mm	mm		Hrs
Late returns and corrections for April 2023															
Nelson Aero AWS	6	19.0	10.4	14.7	+0.9	22.6	2	5.9	25	111	13	+38	27	10	..
Late returns and corrections for March 2023															
Nelson Aero AWS	6	21.4	12.1	16.8	+0.2	25.5	10	4.3	29	53	9	-15	14	4	..
Late returns and corrections for February 2023															
Nelson Aero AWS	6	23.0	15.3	19.2	+0.9	26.5	22	10.9	25	74	10	+22	26	1	..
Late returns and corrections for January 2023															
Nelson Aero AWS	6	23.0	15.3	19.2	+1.0	27.7	28	10.9	1	75	7	+17	32	5	..

The 'Normal' refers to the present site of the instruments. Standard period for normals is 1991-2020.

No normals are available for stations with only short records.

A rain day is a day with rainfall equal to or greater than 0.1 mm.

Where the extremes of temperature and rainfall occurred more than once during the month, the date of the first is given.

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