



Climate Database Statistics Report

July 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 July 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	°C	°C	mm	mm	mm	mm	Hrs		
Cape Reinga AWS	213	15.6	10.0	12.8	+0.2	..	..	..	..	..	..	..	..	..
Kaitaia Aero EWS	80	16.9	9.2	13.1	+0.9	19.2	15	3.7	12	161	18	+9	32	19	
Kaitaia Airport AWS	77	16.5	8.8	12.7	..	18.7	30	3.3	12	182	23	..	34	19	
Kaitaia EWS	85	16.7	9.8	13.3	+1.3	20.2	15	4.9	6	144	18	-24	24	19	
Kerikeri EWS	79	16.6	7.4	12.0	+0.3	19.1	16	2.8	6	233	17	+46	50	14	
Kerikeri Aerodrome Aw	149	15.8	7.8	11.8	+0.6	18.5	16	3.6	5	242	26	+16	60	19	
Kaikohe AWS	204	14.9	8.4	11.7	+0.4	..	..	..	..	..	..	..	..	..
Trounson CWS	244	15.6	7.8	11.7	+1.4	..	..	1.8	5	268	26	+30	39	19
Dargaville 2 EWS	66	16.0	8.7	12.4	+0.9	19.5	18	1.1	5	121	19	-27	30	21	
Purerua AWS	87	16.1	9.1	12.6	+0.4	..	..	..	..	223	24	+103	69	19
Whangarei Aero AWS	37	15.8	7.9	11.9	+0.1	18.6	18	2.2	5	171	24	-3	49	19	
Whangarei EWS	12	16.5	6.3	11.4	+0.1	19.2	16	-0.1	5	141	20	..	44	19	
Mokohinau Island AWS	70	15.3	12.4	13.9	+0.7	16.8	1	10.4	14	..	..	..	..	..
Leigh 2 EWS	27	16.8	10.2	13.5	..	20.8	16	6.7	6	131	20	+1	29	19	
Warkworth EWS	72	15.5	5.8	10.7	+0.3	17.7	18	-0.8	5	160	18	-16	33	15	
Whangaparaoa AWS	100	15.8	9.7	12.8	+1.0	..	..	..	..	..	..	..	..	..
Tiri Tiri Lighthouse	76	14.5	8.2	11.4	-0.5	16.1	1	5.2	5	88	20	-16	22	19	
Auckland, Whenuapai A	26	15.7	6.3	11.0	+0.5	..	..	..	..	..	..	..	..	..
Auckland, North Shore	64	15.9	7.1	11.5	+0.9	18.1	16	0.9	5	114	19	-31	28	19	
Auckland, Henderson N	7	16.5	5.8	11.2	+0.6	19.4	18	-0.9	5	155	19	-23	32	19	
Auckland, Motat EWS	16	16.0	6.7	11.4	..	18.5	16	0.2	5	132	20	..	26	19	
Waiheke Island, Awaro	34	15.8	4.8	10.3	-0.8	17.7	16	-1.3	12	142	..	-12	32	15	
Manukau Heads EWS	240	13.7	9.3	11.5	..	15.7	18	5.2	5	143	20	..	35	19	
Whitianga Aero AWS	5	15.5	5.7	10.6	+0.1	..	..	..	..	..	..	..	..	..
Whitianga EWS	1	16.1	5.5	10.8	+0.2	18.5	18	-0.9	5	174	14	..	45	15	
Thames EWS	3	15.4	6.2	10.8	..	18.3	30	0.2	12	113	16	..	24	31	
Matamata, Hinuera EWS	85	14.7	3.8	9.3	+0.9	16.6	16	-2.3	7	93	12	-5	19	19	
Tauranga CWS	3	15.3	6.4	10.9	..	..	..	..	..	135	19	..	50	15
Tauranga Aero AWS	2	15.5	6.0	10.8	+0.3	17.4	16	0.6	4	..	..	..	..	..
Te Puke EWS	123	15.5	5.8	10.7	+0.9	18.2	16	1.1	7	167	11	-1	56	15	
Whakatane Aero AWS	8	15.2	3.9	9.6	+0.3	17.7	18	-0.9	6	162	23	+26	52	15	
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	175
Whakatane EWS	1	16.1	5.3	10.7	..	18.8	18	0.0	7	162	12	..	48	15	
Mamaku Radar WXT AW617	617	9.5	4.9	7.2	+0.5	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	16.6	3.9	10.3	+0.9	19.9	18	-1.4	7	..	..	..	..	..
Rotorua EWS	288	13.1	3.1	8.1	..	16.1	16	-1.7	7	102	12	..	27	19	
Rotorua Aero AWS	286	12.6	2.5	7.6	-0.2	15.0	16	-3.2	4	..	..	..	..	..
Galatea AWS	175	13.4	1.1	7.3	+0.1	..	..	..	..	..	..	..	..	..
Taupo CWS	360	13.2	2.7	8.0	..	16.5	18	-1.8	4	98	18	..	18	1	
Tarapounamu EWS	701	8.3	2.1	5.2	-0.2	11.3	25	-1.1	7	154	17	-9	29	29	
Taupo Aero AWS	402	11.6	1.6	6.6	-0.2	13.9	16	-4.1	4	..	..	..	..	..
Motu EWS	488	11.9	1.8	6.9	+0.5	16.3	26	-4.3	26	..	..	..	..	..
Auckland, Mangere 2 E	16	15.6	7.2	11.4	..	..	..	..	..	..	..	..	..	..
Auckland Aero	7	15.3	7.9	11.6	+0.4	17.4	21	3.0	12	116	27	-21	27	19	
Auckland Aero Backup	7	15.3	7.8	11.6	+0.5	..	..	..	..	..	..	..	..	..
Ardmore Aero AWS	41	15.5	5.9	10.7	..	..	..	..	..	..	..	..	..	..
Pukekohe EWS	88	15.0	6.8	10.9	+0.4	17.1	10	2.5	5	121	19	-26	23	31	
Whatawhata 2 EWS	118	14.0	5.2	9.6	+0.1	16.7	16	0.0	5	167	21	-25	28	21	
Hamilton, Ruakura 2 E	45	14.7	3.8	9.3	+0.3	16.9	16	-2.1	12	114	15	-10	22	30	
Hamilton Aero AWS	53	14.0	3.3	8.7	-0.2	..	..	..	..	130	23	-9	27	30
Lake Karapiro CWS	55	14.5	5.9	10.2	+0.6	16.4	26	1.3	5	76	14	-48	20	30	
Port Taharoa AWS	18	14.7	8.5	11.6	+0.4	..	..	..	..	..	..	..	..	..
Awakino EWS	400	11.4	5.2	8.3	..	14.6	18	1.6	4	121	16	-71	38	1	
Waikeria EWS	37	14.4	2.5	8.5	..	17.9	16	-3.5	5	104	11	-18	27	21	
Te Kuiti EWS	61	14.5	2.9	8.7	+0.1	16.9	18	-2.3	5	115	15	-59	23	29	
Pureora Forest CWS	549	11.1	1.2	6.2	+0.4	14.7	16	-3.7	13	129	12	-18	25	29	
Taumarunui EWS	170	13.1	2.2	7.7	+0.2	15.7	10	-2.4	13	99	15	-58	34	1	
Taumarunui AWS	186	13.2	1.2	7.2	-0.3	..	..	..	..	99	22	..	29	1
Turangi 2 EWS	360	11.9	-0.9	5.5	-1.1	14.6	16	-6.5	5	113	9	-41	27	19	
New Plymouth Aero AWS	28	14.1	5.8	10.0	+0.3	16.0	25	0.7	5	105	19	-36	21	21	
Lower Retaruke CWS	233	12.9	2.7	7.8	+0.2	..	..	-2.3	10	96	15	-58	33	1
Mt Ruapehu, Chateau E	1097	8.3	0.2	4.3	+1.1	11.3	18	-4.2	5	64	13	-216	17	1	
Pahiatua EWS	110	12.8	3.2	8.0	+0.5	16.1	30	-3.0	10	107	17	..	22	2	

Summary of the records of Temperature, Rainfall and Sunshine July 2024

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		
Masterton Aero AWS	105	12.7	3.2	8.0	+0.5	17.3	16	-4.4	10	88	23	..	26	30	..
Masterton EWS	90	13.3	2.6	8.0	+0.8	18.3	16	-3.3	10	68	16	..	21	20	107
Masterton, Te Ore Ore	110	13.4	3.6	8.5	+0.5	19.6	27	-2.4	6	88	16	-26	23	20	..
Takapau Plains AWS	346	11.5	3.2	7.4	+0.6	..	..	..	..	..	..	..	..	..	..
Dannevirke EWS	207	13.2	4.5	8.9	+1.4	18.3	30	-2.0	10	112	15	+12	33	30	111
Cape Turnagain AWS	285	11.1	7.7	9.4	+1.0	..	..	..	..	..	..	..	..	..	..
Akitio EWS	245	12.0	6.6	9.3	+0.9	16.4	30	2.6	7	142	18	..	41	31	119
Castlepoint AWS	120	12.9	8.5	10.7	+1.0	..	..	..	..	..	..	..	..	..	..
Baring Head	79	12.1	8.0	10.1	..	15.2	27	3.2	10	54	15	..	13	1	..
Te Wharau, Brackenfie	292	11.7	4.4	8.1	+0.6	16.6	15	-0.4	6	212	14	+10	66	31	..
Martinborough EWS	20	13.8	3.9	8.9	+0.8	18.0	25	-2.3	6	67	15	-20	13	30	93
Ngawi AWS	8	13.6	9.0	11.3	+0.8	17.5	1	5.6	10	107	20	-8	23	31	..
Gisborne Aero AWS	5	14.8	5.9	10.4	+0.5	18.1	16	0.7	6	139	17	+11	40	31	130
Gisborne EWS	12	15.4	5.4	10.4	+0.3	19.9	16	1.1	6	121	18	+2	31	31	..
Tolaga Bay WXT AWS	15	14.8	7.1	11.0	+0.8	..	..	..	..	..	..	..	..	..	..
Tutira CWS	235	13.0	4.7	8.9	+0.7	17.8	16	0.5	7	116	13	-29	37	31	..
Napier Aero AWS	3	14.5	4.8	9.7	+0.4	..	..	..	..	..	..	..	..	..	..
Napier EWS	7	15.0	5.1	10.1	..	18.7	25	-0.1	10	74	13	-31	24	17	149
Maraekakaho CWS	150	14.4	3.8	9.1	..	18.3	30	-1.3	6	75	15	..	16	17	..
Whakatu EWS	5	15.6	3.3	9.5	+1.1	19.8	30	-2.7	7	77	15	-22	22	31	..
Waipawa EWS	130	13.3	2.7	8.0	+0.4	17.3	30	-3.5	10	78	14	-23	17	31	122
Wairoa, North Clyde E	15	14.8	5.3	10.1	+0.6	19.6	26	1.3	6	114	17	-9	14	31	..
Wairoa Aero AWS	13	14.5	4.5	9.5	+0.8	..	..	..	..	..	..	..	..	..	..
Mahia AWS	136	12.9	8.4	10.7	+0.4	..	..	..	..	..	..	..	..	..	..
Paraparaumu Aero AWS	8	13.4	5.4	9.4	+0.6	15.7	27	-1.9	10	94	13	+1	29	1	133
Paraparaumu Aero EWS	5	13.9	5.4	9.7	..	16.2	27	-2.0	10	87	11	-8	27	1	128
Ohakea AWS	47	13.6	4.9	9.3	+0.2	17.0	30	-0.1	4	71	12	..	14	2	..
Palmerston North Aero	39	13.6	4.5	9.1	+0.3	17.3	30	-1.4	10	71	13	-14	17	20	..
Palmerston North EWS	21	14.1	4.9	9.5	+0.7	17.4	30	-0.9	5	63	12	-25	18	20	107
Levin AWS	15	13.8	4.6	9.2	+0.4	16.5	30	-1.6	5	79	20	-15	21	1	..
Levin EWS	23	14.2	4.5	9.4	..	17.3	30	-1.9	12	66	13	..	19	1	138
Mana Island AWS	110	11.7	8.2	10.0	+0.9	..	..	..	..	..	..	..	..	..	..
Wellington, Kelburn A	125	12.2	7.6	9.9	+0.7	16.2	27	4.2	5	127	21	-20	30	1	113
Wellington Aero	4	13.0	7.8	10.4	+0.6	16.3	27	2.1	5	96	17	-14	25	30	..
Wellington, Greta Poi	3	14.9	9.8	12.4	+2.2	19.2	21	5.4	5	93	18	..	27	30	..
Wellington Aero Backu	4	13.0	8.0	10.5	+0.7	16.3	27	2.5	5	98	18	-21	24	30	..
Upper Hutt, Trentham	50	13.3	4.1	8.7	+1.2	16.4	25	-3.8	10	96	14	-36	31	1	109
Stratford EWS	280	12.0	4.1	8.1	+0.2	14.9	26	-0.1	10	178	16	-22	45	1	115
Manaia, Motumate Stm	105	14.6	5.6	10.1	..	17.4	18	0.2	14	77	22	..	31	30	..
Hawera AWS	100	13.0	5.5	9.3	+0.6	..	..	..	..	..	..	..	..	..	..
Ohakune EWS	607	11.2	2.0	6.6	+1.0	14.8	16	-3.1	7	81	17	-68	20	2	..
Waiouru Aero AWS	820	9.2	0.3	4.8	+1.0	..	..	..	..	..	..	..	..	..	..
Waiouru EWS	803	8.8	0.2	4.5	..	13.3	16	-4.5	5	60	22	-72	20	2	..
Flat Hills WXT AWS	262	12.7	4.4	8.6	+0.7	..	..	..	..	..	..	..	..	..	..
Whanganui, Spriggens	15	14.4	5.9	10.2	+0.5	17.6	30	0.4	14	82	12	-5	23	19	..
Whanganui Aero AWS	14	14.2	6.3	10.3	+0.6	17.1	30	0.9	9	93	18	+9	24	19	..
Wanganui 2 AWS	18	15.7	5.2	10.5	+0.7	..	..	..	..	..	..	..	..	..	..
Takaka EWS	20	14.3	3.2	8.8	+0.9	18.8	27	-1.2	12	164	11	-14	50	29	166
Farewell Spit AWS	3	16.2	8.1	12.2	+1.8	19.4	25	4.9	5	..	..	..	..	..	..
Westport Aero AWS	5	13.7	5.9	9.8	+0.9	17.5	19	1.8	5	164	20	-6	78	29	..
Westport EWS	6	13.9	5.8	9.9	..	18.0	19	1.3	5	155	16	..	79	29	145
Arapito EWS	3	15.0	5.2	10.1	+1.9	17.9	18	0.5	13	71	11	-112	22	1	122
Hokitika Aero	39	13.2	4.2	8.7	+1.1	15.7	14	-0.3	12	187	12	-41	58	1	120
Hokitika Aero AWS	40	13.2	4.3	8.8	+1.3	15.5	14	-0.5	12	178	16	-30	53	29	144
Hokitika EWS	39	13.2	4.0	8.6	..	15.8	14	-0.7	12	173	12	..	53	29	..
Reefton EWS	198	11.4	1.7	6.6	+1.2	14.1	1	-3.9	14	108	12	-54	60	29	87
Greymouth Aero EWS	5	13.6	5.3	9.5	+1.5	16.1	19	0.1	12	114	12	-83	41	1	127
Pigeon Creek CWS	105	11.6	3.3	7.5	+1.1	15.4	19	-2.4	5	153	17	..	50	1	..
Mt Philistine EWS	1655	3.4	-1.9	0.8	+1.8	10.5	10	-6.7	31	162	15	..	43	29	..
Mahanga EWS	1995	2.0	-2.3	-0.2	+2.2	8.5	10	-7.2	31	111	12	..	32	29	..
Ivory Glacier CWS	1390	5.2	-1.5	1.9	..	11.8	11	-6.8	10	268	18	-306	81	29	..
Okarito EWS	1	13.1	3.8	8.5	..	17.2	15	-1.3	14	143	14	..	47	29	..
Franz Josef EWS	80	13.5	2.5	8.0	+1.2	16.9	15	-1.6	12	178	12	-139	68	29	135

Summary of the records of Temperature, Rainfall and Sunshine July 2024

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		
Franz Josef @ Crawford	1612	5.1	-0.9	2.1	..	12.7	12	-5.5	31	466	19	..	162	30	..
Lake Moeraki EWS	10	12.2	1.3	6.8	..	14.7	25	-2.8	12	162	13	..	36	28	..
Haast AWS	1	12.8	4.8	8.8	+1.0	..	..	..	..	..	..	..	..	..	..
Milford Sound AWS	3	10.6	2.5	6.6	+1.2	..	..	..	..	..	..	..	..	..	..
Milford Sound EWS	3	10.5	2.6	6.6	..	14.8	22	-0.7	4	..	..	..	..	..	..
Castle Mount EWS	2000	1.3	-3.2	-1.0	+2.5	8.9	12	-10.2	31	81	18	..	55	26	..
Puysegur Point AWS	45	11.2	7.0	9.1	+0.7	15.2	26	4.0	31	..	..	..	..	..	..
Stephens Island AWS	188	12.3	9.1	10.7	..	..	..	..	..	..	..	..	..	..	..
Motueka, Riwaka EWS	8	14.2	2.4	8.3	+1.2	18.7	25	-2.6	12	95	10	-25	27	29	..
Pelorus Sd, Crail Bay	13	13.0	7.2	10.1	+0.8	17.8	27	3.4	5	166	16	-5	47	1	..
Nelson Aero	2	13.6	3.8	8.7	+1.1	17.6	27	-0.9	5	67	9	-12	21	29	..
Appleby 2 EWS	18	14.6	1.4	8.0	+1.1	18.5	26	-4.3	12	55	6	-19	20	29	169
Richmond EWS	1	13.3	2.6	8.0	+0.7	17.4	27	-2.5	12	56	8	..	19	29	176
Nelson Aero AWS	6	13.4	4.1	8.8	+1.1	17.3	27	-0.1	5	64	20	-12	18	29	..
Blenheim Research EWS	4	14.1	3.5	8.8	+0.7	18.9	27	-0.7	4	41	10	-23	14	1	166
Wairau Valley, Mill R	172	12.7	2.1	7.4	+0.6	17.3	25	-2.9	13	81	8	-4	26	29	..
Blenheim Aero AWS	36	13.6	1.9	7.8	+0.6	17.9	27	-3.2	3	57	20	-12	18	1	..
Brothers Island AWS	68	12.8	9.7	11.3	+1.0	..	..	..	..	..	..	..	..	..	..
Cape Campbell AWS	6	12.3	8.2	10.3	+0.9	..	..	..	..	..	..	..	..	..	..
Hanmer Forest EWS	363	10.9	-1.3	4.8	+0.6	17.5	28	-5.2	5	67	12	-35	30	30	..
Kaikoura, Middle Cree	5	12.1	3.4	7.8	+1.2	17.3	7	-1.2	5	121	16	..	50	30	..
Kaikoura AWS	108	11.6	6.6	9.1	+0.7	17.4	27	3.7	31	88	14	+2	37	31	..
Arthurs Pass	745	7.6	-1.2	3.2	+1.0	..	..	..	..	130	13	-198	50	30	..
Arthurs Pass EWS	745	7.7	-1.2	3.3	+1.0	11.6	26	-6.2	14	136	12	..	49	29	..
Arthurs Pass AWS	743	7.0	-0.8	3.1	+0.9	..	..	..	..	..	..	..	..	..	..
Culverden AWS	181	11.3	0.4	5.9	+0.3	..	..	..	..	..	..	..	..	..	..
Medbury CWS	232	11.6	-0.8	5.4	-0.4	18.0	27	-6.5	10	19	11	..	7	30	..
Balmoral East CWS	172	12.2	-0.1	6.1	..	20.1	28	-6.0	10	24	10	..	13	30	..
Waipara North Branch	497	10.9	-0.7	5.1	..	16.0	27	-6.0	4	37	12	..	15	30	..
Waiiau School CWS	136	12.3	0.5	6.4	+0.4	19.4	27	-4.7	5	46	12	-29	27	30	..
Cheviot EWS	75	12.5	1.8	7.2	+0.6	19.8	27	-4.4	10	63	11	-4	30	30	135
Upper Rakaia EWS	1752	3.3	-1.7	0.8	+2.1	9.7	9	-8.4	31	100	16	+13	28	29	..
Mt Potts EWS	2128	0.6	-4.1	-1.8	+1.5	11.5	10	-11.3	31	2	2	..	1	9	..
Mt Cook EWS	730	7.2	-1.1	3.1	+0.6	15.2	25	-4.6	15	126	16	-163	43	1	104
Mueller Hut EWS	1818	3.9	-2.1	0.9	+2.1	13.9	9	-9.2	31	41	14	..	11	3	..
Mt Cook Aero AWS	656	7.5	-3.2	2.2	+0.2	..	..	..	..	..	..	..	..	..	..
Cass EWS	571	9.8	-2.8	3.5	..	14.8	27	-8.7	14	52	13	..	29	29	..
Mt Somers, Somer Down	372	10.9	1.2	6.1	..	18.9	27	-3.0	13	75	5	-12	29	29	..
Te Piritia at Sharland	208	11.1	2.9	7.0	..	18.2	26	-1.5	13	63	7	..	23	29	..
Winchmore 2 EWS	164	11.0	0.2	5.6	..	19.0	27	-4.9	5	61	9	-3	23	30	154
Mayfield at Ruapuna F	325	11.1	-0.1	5.5	..	18.7	27	-4.9	14	95	14	..	44	30	..
Peel Forest	286	10.8	0.3	5.6	+0.6	19.0	26	-3.5	5	90	10	+15	32	29	..
Lismore, Racemans Hou	168	10.9	1.6	6.3	+0.3	20.7	27	-2.8	10	78	8	..	28	29	..
Ashburton Council	101	11.3	2.4	6.9	+0.9	20.5	27	-2.5	5	86	12	+24	32	29	..
Ashburton Aero AWS	88	11.3	1.6	6.5	+0.8	..	..	..	..	..	..	..	..	..	..
Wakanui 2 CWS	53	11.1	2.2	6.7	..	19.4	27	-2.7	5	..	..	..	..	..	..
Waipara West EWS	130	12.7	2.7	7.7	+0.4	21.5	27	-1.5	6	..	..	..	..	..	127
Ohoka CWS	39	11.7	1.1	6.4	..	18.3	27	-3.8	5	..	..	..	..	..	..
Rangiora EWS	23	12.3	1.8	7.1	+1.0	19.3	27	-3.5	5	25	13	-29	10	30	128
Christchurch Aero	37	11.4	1.7	6.6	+0.6	19.0	27	-4.3	5	29	20	-35	6	30	126
Christchurch Aero Bac	37	11.4	1.6	6.5	+0.7	19.2	27	-4.4	5	..	..	..	..	..	..
Christchurch Gardens	7	12.7	3.3	8.0	+1.2	20.5	27	-2.0	5	43	15	-21	13	2	..
Christchurch, Kyle St	6	11.4	3.1	7.3	+0.6	18.1	27	-2.6	5	..	..	..	..	..	..
Christchurch Botanic	17	11.6	3.4	7.5	..	18.8	27	-1.9	5	36	12	..	11	2	..
Bromley EWS	3	11.5	4.2	7.9	..	18.2	27	-2.0	5	38	11	..	10	1	125
Lincoln, Broadfield E	18	11.5	2.8	7.2	+0.8	19.3	27	-2.5	5	51	11	-2	15	30	115
Lincoln, Broadfield E	17	11.4	2.5	7.0	..	19.5	27	-2.7	5	53	12	..	16	30	115
Sugar Loaf AWS	496	9.1	4.6	6.9	+0.7	..	..	..	..	..	..	..	..	..	..
Diamond Harbour EWS	122	11.1	5.6	8.4	+1.0	19.1	27	1.7	5	91	15	..	21	22	109
Akaroa EWS	45	11.5	5.8	8.7	+0.4	17.8	27	1.1	5	173	18	+52	90	30	77
Le Bons Bay AWS	238	10.3	6.2	8.3	+0.7	18.1	27	2.9	31	..	..	..	..	..	..
Lake Tekapo, Air Safa	762	7.4	-2.6	2.4	+0.7	16.4	26	-6.6	14	55	6	+5	29	1	..
Lake Tekapo EWS	762	8.0	-2.0	3.0	+1.1	17.6	26	-6.3	14	71	9	+21	24	1	170

Summary of the records of Temperature, Rainfall and Sunshine July 2024

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		
Fairlie AWS	403	9.8	1.7	5.8	+0.5	..	..	..	..	..	..	..	..	..
Pukaki Aerodrome AWS	461	5.6	-3.2	1.2	-0.6	14.1	7	-7.3	5	63	23	+14	27	29	
Orari Estate	81	11.3	1.0	6.2	+1.0	18.6	27	-2.9	5	82	9	+28	36	29	
Orari Estate EWS	81	11.2	0.8	6.0	+0.4	18.4	26	-3.2	5	80	7	..	37	29	
Timaru Aero AWS	27	11.6	0.7	6.2	+1.2	18.8	27	-3.3	5	76	11	+34	30	29	
Timaru EWS	17	10.9	2.4	6.7	+1.3	18.4	27	-1.1	4	55	8	+13	22	29	
Waimate CWS	39	12.1	2.9	7.5	+1.7	18.8	27	-1.7	5	70	10	+27	35	29	
Oamaru Airport AWS	30	10.7	2.7	6.7	+1.2	18.3	27	-1.4	10	73	13	+31	31	29	
Albert Burn	1280	4.5	-2.4	1.1	+0.8	9.4	12	-7.2	3	53	13	-170	13	26	
Mt Larkins EWS	1900	1.4	-2.8	-0.7	+3.6	8.8	12	-10.0	31	6	8	..	2	3	
Eglinton, Knobs Flat	365	8.3	-1.2	3.6	+0.2	..	..	-5.7	15	50	16	-178	15	28
Tara Hills AWS	485	7.2	-2.9	2.2	-0.2	..	..	..	..	..	..	..	..	..
Wanaka CWS	331	7.6	-0.3	3.7	..	15.7	26	-4.0	5	58	7	..	28	29	
Wanaka Aero AWS	352	6.8	-0.3	3.3	-0.4	16.2	26	-4.3	10	56	20	+10	23	29	
Windsor EWS	81	11.9	1.1	6.5	+1.3	19.4	25	-2.8	10	71	8	+35	34	29	
Ranfurly EWS	450	8.5	-2.2	3.2	+0.6	15.1	25	-7.7	13	37	8	+14	30	1	
Oamaru AWS	40	11.2	3.9	7.6	+1.1	18.5	25	0.8	5	..	..	..	..	..
Palmerston	21	11.4	2.5	7.0	+1.8	17.7	24	-2.7	4	94	9	+42	52	29	
Middlemarch EWS	213	9.3	-1.6	3.9	+0.1	19.4	26	-8.2	14	58	7	+5	26	1	
Dunedin Aero AWS	2	11.2	1.1	6.2	+1.3	..	..	..	..	93	15	+53	59	29
Dunedin, Musselburgh	4	11.2	5.5	8.4	+1.7	18.1	24	0.1	4	81	12	+29	37	29	
Oamaru EWS	20	11.0	2.8	6.9	+1.5	17.4	25	-1.5	4	52	8	..	24	29	
Murchison Mtns EWS	1140	4.6	0.2	2.4	+1.7	10.3	12	-5.9	31	111	16	-134	53	26	
Takahe Valley CWS	895	3.8	-3.0	0.4	+1.0	9.0	26	-7.0	15	102	18	..	31	26	
Te Anau At Park HQ Cw	204	6.9	1.1	4.0	..	13.0	25	-2.6	4	..	..	..	..	..
Manapouri, West Arm J	178	6.7	0.9	3.8	+0.4	11.0	26	-3.4	15	164	13	-165	85	26	
Manapouri Aero AWS	209	8.7	0.2	4.5	+0.5	..	..	..	..	..	..	..	..	..
Birchwood WXT AWS	149	10.0	1.7	5.9	+0.5	..	..	..	..	..	..	..	..	..
Queenstown EWS	322	8.9	0.7	4.8	..	16.9	26	-2.9	15	38	5	..	16	29	
Queenstown Aero AWS	357	8.8	-0.9	4.0	+0.6	..	..	..	..	..	..	..	..	..
Five Rivers CWS	260	9.6	-0.4	4.6	+0.5	18.5	26	-6.0	13	37	11	..	20	29	
Lumsden AWS	194	8.8	-0.3	4.3	+0.2	18.3	26	-6.5	13	44	22	-10	23	29	
Waipounamu CWS	152	9.2	-0.8	4.2	+0.3	16.8	25	-7.4	15	..	..	..	..	..
Cromwell EWS	213	7.7	-1.4	3.2	-0.7	18.8	26	-5.1	4	36	6	+11	16	29	
Lauder EWS	375	8.1	-2.7	2.7	+0.0	16.4	26	-8.3	15	51	12	+30	30	1	
Ophir 2	305	8.6	-4.4	2.1	+0.0	16.8	26	-10.7	15	49	5	+30	27	1	
Alexandra	150	7.5	-1.8	2.9	-0.3	16.2	25	-7.0	14	41	10	+16	19	1	
Clyde 2 EWS	170	7.7	-2.4	2.7	-0.6	17.5	26	-6.3	14	33	8	+10	15	1	
Alexandra EWS	132	7.9	-1.7	3.1	..	17.1	26	-6.2	14	41	8	..	21	1	
Roxburgh WXT AWS	160	9.4	2.0	5.7	+0.2	..	..	..	..	..	..	..	..	..
Ettrick No.2	91	10.3	0.1	5.2	+0.7	17.5	26	-6.0	14	28	5	-1	16	29	
Tapanui EWS	180	10.1	0.5	5.3	..	17.6	25	-6.9	14	49	14	..	28	29	
Gore AWS	123	9.3	1.5	5.4	+0.6	..	..	..	..	..	..	..	..	..
Gore EWS	60	9.8	0.8	5.3	..	16.1	25	-4.4	13	44	18	..	13	29	
Invercargill Aero	1	10.4	1.5	6.0	+0.5	..	..	..	..	..	..	..	..	..
Invercargill Aero AWS	3	10.4	1.4	5.9	+0.5	18.6	26	-4.7	13	75	18	-13	23	29	
Invercargill Aero 2 E		10.3	0.7	5.5	+0.2	18.4	26	-5.2	15	65	17	-8	19	29	
Tiwai Point EWS	5	10.3	3.7	7.0	+0.6	17.4	26	-2.4	15	59	14	-29	20	29	
Stewart Island EWS	3	10.8	4.8	7.8	..	15.6	25	-1.4	15	74	16	..	15	5	
Balclutha, Finegand E	6	10.6	2.3	6.5	..	16.7	25	-4.4	15	60	12	..	41	29	
Nugget Point AWS	131	9.6	5.6	7.6	+1.3	..	..	..	..	..	..	..	..	..
Tautuku EWS	25	11.0	4.7	7.9	..	23.5	26	-1.7	14	62	17	..	23	29	
South West Cape AWS	103	10.5	7.0	8.8	+1.1	..	..	..	..	..	..	..	..	..
Kiribati,Cassidy Chri	3	32.0	26.6	29.3	..	..	..	..	..	..	..	..	..	..
Solomon, Taro Is	3	30.7	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Munda	6	..	25.1	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	32.8	24.4	28.6	..	..	..	..	..	..	..	..	..	..
Solomon, Henderson	9	32.0	23.2	27.6	..	..	..	..	..	..	..	..	..	..
Solomon, Santa Cruz	24	..	24.9	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Pekoa	56	28.4	22.4	25.4	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	27.4	19.5	23.5	..	..	..	..	..	..	..	..	..	..
New Cal, Koumac	18	25.4	16.4	20.9	..	28.6	9	13.6	7	..	..	..	..	..
New Cal, Oulop	7	25.6	19.5	22.6	..	..	..	13.2	21	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine July 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	°C	°C	mm	mm	mm	mm	Hrs		
New Cal, Ouanaham	29	25.2	17.9	21.6	..	..	..	8.8	20	..	..	..	..	..
New Cal, Nouma	72	24.7	18.0	21.4	..	27.5	29	15.9	25	..	..	..	..	..
Kiribati,Butaritari	2	32.0	26.8	29.4	..	..	..	..	..	..	..	..	..	..
Kiribati,Tarawa	2	..	26.7	..	..	..	..	..	..	..	..	..	..	..
Kiribati, Bonriki Int	4	31.6	26.2	28.9	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	..	26.7	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	31.5	26.8	29.2	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	..	25.7	..	..	..	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	29.8	20.0	24.9	..	..	..	..	..	..	..	..	..	..
Fiji,Nausori Aero	6	27.6	21.5	24.6	..	..	..	..	..	..	..	..	..	..
Wallis Island, Hihifo	27	29.7	25.4	27.6	..	..	..	23.1	7	..	..	..	..	..
Maopoopo, Futuna Isla	36	29.7	24.5	27.1	..	..	..	23.0	25	..	..	..	..	..
Samoa,Faleolo	4	30.1	21.9	26.0	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	29.3	24.0	26.7	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	29.4	25.7	27.6	..	..	..	..	..	..	..	..	..	..
Tonga,Keppel	2	28.7	22.3	25.5	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	26.6	20.0	23.3	..	..	..	..	..	..	..	..	..	..
Salote Pilelevu Airpo	2	26.1	22.0	24.1	..	..	..	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	25.6	18.3	22.0	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	25.6	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Saratamata	18	..	23.0	..	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	29.8	23.5	26.7	..	..	..	21.3	21	..	..	..	..	..
Tahiti - Faaa	1	28.4	22.6	25.5	..	..	..	19.2	21	..	..	..	..	..
Tuamotu, Takaraoa	2	29.6	25.0	27.3	..	..	..	22.8	31	..	..	..	..	..
Tuamotu, Hao	3	27.2	23.5	25.4	..	..	..	21.0	13	..	..	..	..	..
Gambier, Rikitea	91	23.3	19.4	21.4	..	..	..	15.6	22	..	..	..	..	..
Tubuai	2	24.2	19.6	21.9	..	..	..	15.1	23	..	..	..	..	..
Rapa	1	20.9	17.3	19.1	..	..	..	13.1	13	..	..	..	..	..
Raoul Island AWS	50	19.7	14.2	17.0	+0.3	..	..	..	..	..	..	..	..	..
Enderby Is AWS	39	9.0	5.6	7.3	..	..	..	..	..	..	..	..	..	..
Campbell Island AWS	16	7.6	3.3	5.5	+0.4	..	..	..	..	..	..	..	..	..
Chatham Island Aero A	12	11.7	7.0	9.4	+1.0	..	..	..	..	..	..	..	..	..
Georg Von Neumayer	40	-17.4	-27.3	-22.4	..	-5.2	29	-46.8	17	..	..	..	..	..
Ant South Pole	2827	-50.3	-58.6	-54.5	..	-33.5	21	-70.7	14	..	..	..	..	..
Gen Belgrano 2	256	-13.3	-20.6	-17.0	..	-3.3	22	-32.6	14	..	..	..	..	..
Bellingshausen	16	-3.3	-5.9	-4.6	..	..	..	..	..	..	..	..	..	..
Base Jubany	4	-2.8	-7.6	-5.2	..	4.5	17	-17.0	31	..	..	..	..	..
Dinamet	10	-2.5	-6.7	-4.6	..	3.1	17	-13.5	31	..	..	..	..	..
V C Marambio	198	-11.7	-19.5	-15.6	..	1.9	7	-26.4	22	..	..	..	..	..
Great Wall	10	-2.6	-6.6	-4.6	..	..	..	..	..	..	..	..	..	..
Palmer Station	8	-1.6	-5.7	-3.7	..	..	..	..	..	..	..	..	..	..
Rothera Point	16	-5.4	-9.8	-7.6	..	0.9	7	-18.6	30	..	..	..	..	..
Argentine Is, Faraday	11	-1.9	-6.2	-4.1	..	4.5	16	-11.4	22	..	..	..	..	..
Gen San Martin	4	-5.2	-12.0	-8.6	..	..	..	..	..	..	..	..	..	..
Novolax Arevskaja	99	-10.0	-13.9	-12.0	..	..	..	..	..	..	..	..	..	..
Maitri		-9.7	-15.6	-12.7	..	..	..	..	..	..	..	..	..	..
Syowa	21	-10.2	-17.2	-13.7	..	-1.5	7	-35.4	14	..	..	..	..	..
Mawson	16	-13.1	-22.4	-17.8	..	..	..	..	..	..	..	..	..	..
Davis	13	-16.8	-25.4	-21.1	..	..	..	-38.4	16	..	..	..	..	..
Progress	64	-16.6	-19.6	-18.1	..	..	..	..	..	..	..	..	..	..
Mirnyj	30	-15.1	-19.6	-17.4	..	..	..	..	..	..	..	..	..	..
Vostok	3420	-55.3	-63.6	-59.5	..	..	..	..	..	..	..	..	..	..
Casey	41	-8.3	-19.2	-13.8	..	..	..	-28.9	9	..	..	..	..	..
Durmout Durville	43	-12.3	-16.8	-14.6	..	-3.4	21	-30.9	8	..	..	..	..	..
Mcmurdo	24	-18.6	-29.1	-23.9	..	-10.5	24	-41.3	16	..	..	..	..	..
Arrival Heights EWS	187	-20.4	-29.4	-24.9	..	-12.0	25	-37.0	14	..	..	..	..	..
Scott Base 2 EWS	42	-20.2	-33.2	-26.7	..	-8.7	24	-47.0	15	..	..	..	..	..
Darwin Airport	31	25.4	14.1	19.8	..	..	..	..	..	..	..	..	..	..
Mangatawhiri Dam Ews	151	14.8	5.2	10.0	..	17.4	16	-1.4	13	144	23	..	27	29	
Skid Site Ews	415	11.5	4.6	8.1	..	14.3	16	-1.5	12	181	23	..	35	15	

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 June 2024															
Auckland, Henderson N	7	17.6	8.5	13.1	+1.6	19.4	2	1.6	28	114	12	-45	34	13	..
Waiheke Island, Awaro	34	17.2	9.0	13.1	+1.1	19.6	2	1.5	30	136	12	-3	45	22	..
Whakatane EWS	1	17.4	7.2	12.3	..	20.6	8	2.1	29	..	..	..	..	..	..
Auckland Aero	7	16.7	10.1	13.4	+1.3	19.3	10	5.7	30	117	12	-2	31	13	..
Firth Of Thames EWS	3	..	..	..	..	..	..	..	..	103	11	-2	22	14	111
Wellington Aero	4	14.0	8.6	11.3	+0.7	16.7	1	3.3	21	58	14	-45	13	14	..
Appleby 2 EWS	18	15.2	2.2	8.7	+1.1	19.7	1	-2.6	28	..	..	..	..	..	..
Boyle River Lodge	600	10.7	0.2	5.5	+1.1	18.1	1	..	..	139	21	-44	46	9	..
Hanmer Forest EWS	363	11.1	-0.6	5.3	+0.5	20.5	1	-6.4	13	61	14	-38	15	14	..
Medbury CWS	232	12.2	0.1	6.2	+0.2	20.5	1	-6.3	12	47	13	..	13	14	..
Waiiau School CWS	136	13.2	0.7	7.0	+0.8	22.1	1	-4.6	13	53	14	-28	13	14	..
Waipara West EWS	130	13.6	3.8	8.7	+0.9	21.4	1	-0.6	12	..	..	..	..	..	113
Christchurch Aero	37	12.3	2.1	7.2	+0.8	21.3	1	-5.5	12	75	19	+7	17	23	123
Christchurch, Kyle St	6	12.2	4.1	8.2	+1.0	19.8	1	-2.9	12	..	..	..	..	..	..
Waimate CWS	39	12.5	3.2	7.9	+1.5	23.4	1	-2.6	12	37	14	-1	9	14	..
Waipounamu CWS	152	9.7	0.3	5.0	+0.4	17.6	7	-4.2	12	..	..	..	..	..	..
Balclutha, Telford Ew	11	11.0	1.8	6.4	+1.1	..	..	..	..	69	14	+16	41	15	..
Late returns and corrections for May 2024															
Firth Of Thames EWS	3	..	..	..	..	..	..	..	..	83	14	-16	29	20	177
Waipara West EWS	130	14.5	3.3	8.9	-1.6	22.3	31	-2.2	10	..	..	..	..	..	163
Stewart Is	3	11.9	3.8	7.9	-1.1	17.5	..	..	..	125	..	-30	..	..	..
Late returns and corrections for April 2024															
Gisborne EWS	12	21.6	9.4	15.5	-0.1	..	..	..	..	..	..	..	..	..	..
Waipara West EWS	130	20.1	7.7	13.9	+1.2	27.8	11	1.4	27	22	5	-37	16	11	198
Late returns and corrections for March 2024															
Gisborne EWS	12	23.2	10.8	17.0	-1.3	28.7	11	5.3	22	..	..	..	..	..	..
Late returns and corrections for February 2024															
Wairau Valley, Mill R	172	25.4	10.4	17.9	+0.2	34.9	6	0.0	9	22	3	-74	17	2	..

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.