



Climate Database Statistics Report

June 2023

A report of monthly climate data and differences from normal:
current observations, late returns and corrections

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

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine
		Means of		Mean of A and B	Differ—ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ—ence From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Kaitaia Aero EWS	80	16.5	8.6	12.6	-0.4	19.0	2	4.1	11	200	20	+80	63	21	..
Kaitaia Airport AWS	77	16.7	8.4	12.6	..	..	..	..	..	..	..	..	..	..	..
Kaitaia EWS	85	16.8	10.0	13.4	+0.6	19.4	2	5.1	11	175	21	+25	60	21	139
Kerikeri EWS	79	17.0	7.8	12.4	+0.1	21.1	1	2.1	15	221	18	+42	63	21	..
Kerikeri Aerodrome Aw	149	15.8	8.2	12.0	+0.0	19.4	2	3.7	15	222	26	+24	72	21	..
Kaikohe AWS	204	15.0	8.9	12.0	-0.1	18.0	2	5.0	15	333	27	+158	102	21	..
Trounson CWS	244	14.7	7.4	11.1	+0.0	16.9	23	2.4	11	285	26	+81	70	21	..
Dargaville 2 EWS	66	15.7	8.9	12.3	-0.1	19.0	1	3.5	11	155	23	+30	35	21	110
Purerua AWS	87	16.9	9.4	13.2	+0.3	20.7	2	6.1	15	194	25	+56	46	21	..
Russell CWS	15	16.3	7.0	11.7	..	19.2	1	1.8	15	148	17	-1	40	24	..
Whangarei Aero AWS	38	16.2	8.6	12.4	-0.3	19.1	1	3.5	15	183	18	+41	39	21	..
Whangarei EWS	12	16.6	7.3	12.0	-0.1	19.6	1	1.6	14	178	17	..	37	21	123
Mokohinau Island AWS	70	15.9	13.0	14.5	+0.4	18.2	1	11.3	6	158	19	+57	22	5	..
Leigh 2 EWS	27	17.2	11.0	14.1	..	20.2	26	7.6	14	241	21	+130	39	5	..
Warkworth EWS	72	15.8	7.1	11.5	+0.1	18.6	1	1.0	15	203	21	+47	31	21	..
Whangaparaoa AWS	100	15.9	10.5	13.2	+0.4	19.3	1	8.3	11	208	21	+100	44	22	..
Auckland, Whenuapai A	26	16.0	7.7	11.9	+0.3	19.2	2	1.0	14	154	22	..	26	22	..
Auckland, North Shore	64	16.3	8.2	12.3	+0.5	19.1	1	2.5	14	176	18	+42	42	22	138
Auckland, Motat EWS	16	16.7	8.4	12.6	..	19.8	1	2.7	11	136	16	..	28	30	151
Waiheke Island, Awaro	34	17.0	7.9	12.5	+0.5	19.5	1	0.5	15	153	12	+14	20	5	..
Manukau Heads EWS	240	14.1	10.2	12.2	..	16.6	1	7.9	6	114	19	..	30	29	140
Whitianga Aero AWS	5	16.2	7.6	11.9	+0.6	19.0	2	1.3	15	299	24	+114	81	5	..
Whitianga EWS	1	16.8	7.6	12.2	+0.7	19.2	1	0.0	15	269	19	..	72	5	..
Thames EWS	3	16.3	7.7	12.0	..	19.8	2	1.9	15	208	17	..	50	16	..
Matamata, Hinuera EWS	85	15.0	4.5	9.8	+0.7	18.0	1	-3.0	14	126	16	+21	22	30	..
Tauranga Aero AWS	2	16.3	8.9	12.6	+1.4	19.5	2	3.6	15	227	15	+106	59	17	164
Te Puke EWS	123	15.5	8.0	11.8	+1.4	18.9	2	1.7	15	220	14	+45	54	18	..
Whakatane Aero AWS	8	16.2	6.9	11.6	+1.7	19.1	2	0.5	15	165	17	+35	43	21	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	147
Whakatane EWS	1	16.9	7.5	12.2	..	19.8	23	1.5	15	137	13	..	49	21	..
Mamaku Radar WXT AWS	17	10.1	6.2	8.2	+0.7	..	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	16.6	5.9	11.3	+1.1	20.6	23	0.1	15	..	..	..	..	..	136
Rotorua EWS	288	14.2	5.4	9.8	..	17.1	1	-1.8	15	163	18	..	56	21	154
Rotorua Aero AWS	286	13.8	5.0	9.4	+0.8	16.6	23	-2.8	15	203	18	+71	70	21	..
Galatea AWS	175	14.6	4.2	9.4	+1.4	18.2	2	-4.0	15	66	16	..	20	26	..
Taupo CWS	360	14.6	4.9	9.8	..	18.4	23	..	..	54	26	..	12	21	..
Tarapounamu EWS	701	9.2	4.2	6.7	+0.5	13.0	26	0.6	12	99	19	-64	27	26	..
Taupo Aero AWS	402	13.0	4.1	8.6	+1.0	16.9	23	-3.9	15	41	23	-52	9	21	..
Motu EWS	488	12.2	4.9	8.6	+1.8	15.0	3	-2.8	15	291	23	+60	77	5	..
Auckland, Mangere 2 E	16	16.3	8.6	12.5	..	19.3	1	2.3	14	119	18	-8	22	22	156
Auckland Aero	7	16.1	8.7	12.4	+0.3	19.7	2	2.9	15	117	22	-2	20	22	..
Auckland Aero Backup	7	16.2	8.9	12.6	+0.6	19.7	2	3.2	15	110	22	..	19	30	..
Ardmore Aero AWS	41	16.1	7.0	11.6	..	..	..	..	..	..	..	..	..	..	..
Pukekohe EWS	88	15.6	7.6	11.6	+0.2	18.4	2	2.3	15	101	19	-36	24	22	..
Firth Of Thames EWS	3	16.3	5.6	11.0	+0.7	20.2	2	-1.6	14	109	17	+4	28	16	147
Whatawhata 2 EWS	118	15.8	7.6	11.7	+1.3	19.0	25	1.8	16	176	17	-12	56	22	..
Hamilton, Ruakura 2 E	45	16.1	5.4	10.8	+1.1	18.9	2	-1.5	14	173	16	+55	87	22	148
Hamilton Aero AWS	53	15.5	5.0	10.3	+0.7	17.9	1	-2.0	15	166	20	+37	55	22	..
Lake Karapiro CWS	55	15.7	7.7	11.7	+1.3	18.4	1	2.2	14	122	14	+9	27	30	..
Port Taharoa AWS	18	16.1	10.1	13.1	+1.0	18.7	25	5.9	14	124	19	-21	42	22	..
Awakino EWS	400	12.4	6.6	9.5	..	15.1	23	2.8	16	113	16	-54	25	30	..
Waikeria EWS	37	15.8	4.9	10.4	..	18.4	1	-2.5	14	88	15	-24	21	30	145
Te Kuiti EWS	61	16.2	3.9	10.1	+0.7	19.6	23	-1.7	16	90	14	-54	26	22	138
Pureora Forest CWS	549	11.7	4.7	8.2	+1.6	15.2	23	-3.6	15	148	15	-14	29	22	..
Taumarunui EWS	170	15.0	2.8	8.9	+0.8	19.4	23	-1.9	16	65	23	-80	17	1	..
Taumarunui AWS	186	14.9	1.9	8.4	+0.4	18.8	23	-4.4	15	58	21	..	12	21	125
Turangi 2 EWS	360	14.1	3.4	8.8	+1.4	19.2	23	-5.4	15	48	14	-94	12	4	133
New Plymouth Aero AWS	28	15.6	7.6	11.6	+0.9	19.2	25	2.6	28	131	18	-13	32	4	..
Lower Retaruke CWS	233	14.4	2.9	8.7	+0.5	18.0	25	-1.8	14	50	21	-88	14	1	..
Pahiatua EWS	110	14.0	4.8	9.4	+1.4	16.8	1	-2.8	16	70	19	..	19	17	..
Masterton Aero AWS	105	13.5	4.1	8.8	+0.6	19.1	1	-2.0	11	85	24	..	32	17	..
Masterton EWS	90	13.8	4.1	9.0	+0.9	18.8	1	-1.7	11	73	19	..	29	17	97
Masterton, Te Ore Ore	110	14.1	5.0	9.6	+1.1	20.2	1	-0.4	11	80	17	-11	34	17	..

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		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		
Takapau Plains AWS	346	12.2	5.6	8.9	+1.3	16.1	1	-1.4	16	189	24	+89	44	22	..
Dannevirke EWS	207	13.5	6.3	9.9	+1.8	16.6	2	0.8	4	104	17	+6	23	17	97
Cape Turnagain AWS	285	11.7	9.1	10.4	+1.2	15.7	2	6.5	14	127	18	..	30	17	..
Akitio EWS	245	12.6	8.0	10.3	+1.4	16.0	1	3.4	15	144	24	..	40	17	108
Castlepoint AWS	120	13.4	9.8	11.6	+1.1	17.7	1	6.1	15	106	20	+7	26	18	..
Baring Head	79	..	9.2	..	..	..	..	6.2	29	14	11	..	3	4	..
Te Wharau, Brackenfie	292	12.3	5.2	8.8	+0.6	17.4	1	-0.2	19	213	15	+32	35	18	..
Martinborough EWS	20	14.8	4.8	9.8	+1.2	18.9	1	-1.3	16	23	13	-59	6	18	95
Ngawi AWS	8	15.5	9.8	12.7	+1.3	19.9	1	5.0	16	69	17	-30	16	23	..
Gisborne Aero AWS	5	15.5	9.0	12.3	+1.7	..	..	3.8	4	..	..	..	..	..	..
Gisborne EWS	12	15.3	7.6	11.5	+0.7	20.2	2	3.0	16	303	19	+196	46	22	..
Tolaga Bay WXT AWS	15	15.7	9.8	12.8	+2.0	..	..	..	..	..	..	..	..	..	..
Tutira CWS	235	13.3	6.7	10.0	+1.0	19.2	2	0.5	16	310	18	+189	59	5	..
Napier Aero AWS	3	15.3	7.5	11.4	+1.5	..	..	..	..	..	..	..	..	..	..
Napier EWS	7	16.1	8.1	12.1	..	23.0	2	0.9	16	143	16	+61	36	26	114
Maraekakaho CWS	150	15.1	6.3	10.7	..	21.5	2	..	..	183	15	..	46	23	..
Hastings AWS	16	15.3	6.0	10.7	+1.3	23.2	2	..	..	..	..	..	..	..	..
Whakatu EWS	5	16.4	5.6	11.0	+2.0	24.0	2	-2.4	4	163	17	+86	33	26	..
Waipawa EWS	130	14.3	5.3	9.8	+1.7	19.8	2	..	..	170	17	+91	59	17	..
Wairoa, North Clyde E	15	16.0	7.4	11.7	+1.5	22.2	2	1.8	16	180	17	+56	31	22	..
Wairoa Aero AWS	13	15.2	7.0	11.1	+1.6	21.6	2	0.8	16	190	21	..	34	26	..
Mahia Radar WXT AWS	419	11.4	8.6	10.0	+0.7	..	..	..	..	..	..	..	..	..	..
Mahia AWS	136	14.0	10.3	12.2	+1.2	20.0	2	7.6	16	300	22	+176	46	17	..
Cape Kidnappers WXT A	113	14.6	11.1	12.9	+1.7	20.3	2	8.5	4	..	..	..	..	..	..
Paraparaumu Aero	5	15.7	5.2	10.5	+0.6	19.5	23	-1.2	16	9	10	-100	5	4	167
Paraparaumu Aero AWS	8	15.6	5.5	10.6	+0.9	19.3	23	-0.7	16	8	9	-99	5	4	22
Paraparaumu Aero EWS	5	16.1	5.6	10.9	..	19.8	23	-0.5	16	7	7	-91	4	4	173
Ohakea AWS	47	14.8	6.6	10.7	+0.9	18.0	26	-0.1	16	16	11	..	5	29	..
Palmerston North Aero	39	14.8	6.7	10.8	+1.5	18.1	26	-1.1	11	27	11	-70	10	17	..
Palmerston North EWS	21	15.2	7.1	11.2	+1.8	18.4	26	0.2	13	21	11	-75	11	17	137
Levin AWS	15	16.0	5.7	10.9	+1.4	18.7	26	-1.0	16	26	17	-76	7	29	..
Levin EWS	23	15.9	5.5	10.7	..	18.2	21	-1.6	16	24	11	..	11	29	166
Mana Island AWS	110	13.7	9.6	11.7	+1.7	16.0	1	5.4	16	12	12	..	4	4	..
Porirua, Elsdon Park	7	15.5	6.5	11.0	..	19.0	21	0.4	16	29	18	..	8	27	..
Wellington, Kelburn A	125	13.8	8.1	11.0	+1.1	..	..	..	..	..	..	..	..	..	..
Wellington Aero	4	14.8	8.9	11.9	+1.3	18.5	2	4.7	16	38	13	-65	16	4	..
Wellington, Greta Poi	3	15.9	9.6	12.8	+1.8	20.1	2	6.4	16	32	11	..	11	4	..
Wellington Aero Backu	4	14.8	8.9	11.9	+1.4	18.5	2	4.6	16	47	20	-64	17	4	..
Upper Hutt, Trentham	50	14.8	4.4	9.6	+1.4	17.8	1	-2.6	16	25	11	-97	10	4	135
Stratford EWS	280	13.0	5.2	9.1	+0.4	17.8	25	-0.1	11	72	15	-122	21	4	128
Hawera AWS	100	14.5	6.4	10.5	+0.8	17.3	21	0.7	10	62	26	-55	16	1	..
Ohakune EWS	607	12.5	3.2	7.9	+1.4	..	..	-4.9	16	50	12	-79	18	1	..
Waiouru Aero AWS	820	10.0	2.7	6.4	+1.6	13.5	23	-3.7	15	61	20	..	18	30	..
Waiouru EWS	803	10.2	3.2	6.7	..	13.4	23	-2.3	12	64	19	-37	17	30	..
Taihape Rec	433	13.6	2.3	8.0	+1.0	17.0	23	-4.0	10	61	15	-27	12	30	..
Flat Hills WXT AWS	262	13.8	5.3	9.6	+1.0	18.0	26	-0.7	16	50	23	-43	10	30	..
Whanganui, Spriggens	15	15.5	6.3	10.9	+0.3	18.5	25	1.7	10	12	8	-78	5	1	..
Whanganui Aero AWS	14	15.8	7.0	11.4	+0.8	18.3	22	1.1	11	16	17	-79	6	1	..
Wanganui 2 AWS	18	17.5	6.1	11.8	+1.2	..	..	..	..	..	..	..	..	..	..
Takaka EWS	20	15.6	4.8	10.2	+1.6	19.5	1	-0.9	8	157	14	-44	41	26	168
Farewell Spit AWS	3	17.4	10.0	13.7	+2.5	19.5	1	..	..	..	..	..	..	..	..
Westport Aero AWS	5	15.1	7.4	11.3	+1.5	19.6	23	2.6	9	144	15	-56	29	26	..
Westport EWS	6	15.4	7.3	11.4	..	20.3	25	..	..	133	12	..	30	26	..
Arapito EWS	3	15.6	6.2	10.9	+2.0	19.6	25	1.9	9	139	11	-60	32	1	151
Hokitika Aero	39	14.4	4.9	9.7	+1.3	19.7	23	-0.5	10	121	13	-140	23	1	132
Hokitika Aero AWS	40	14.4	4.9	9.7	+1.4	20.2	23	-0.5	10	134	22	-125	24	1	150
Hokitika EWS	39	14.4	4.8	9.6	..	20.0	23	-0.8	10	115	13	..	22	1	..
Reefton EWS	198	11.7	1.7	6.7	+0.5	17.0	21	-4.1	17	101	16	-89	22	26	106
Greymouth Aero EWS	5	14.2	6.3	10.3	+1.4	18.8	23	1.3	8	185	13	-48	59	1	134
Pigeon Creek CWS	105	12.4	3.8	8.1	+1.0	17.8	22	-3.6	10	147	19	..	68	1	..
Mt Philistine EWS	1655	4.0	-0.5	1.8	+1.7	..	..	..	..	..	..	..	..	..	..
Mahanga EWS	1995	1.5	-1.8	-0.2	+0.9	6.7	8	-6.0	5	51	13	..	39	1	..
Ivory Glacier CWS	1390	5.4	0.9	3.2	..	10.1	6	-2.0	30	236	13	-265	86	1	..

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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		
Okarito EWS	1	14.1	4.5	9.3	..	18.0	21	0.3	18	125	14	..	46	25	..
Franz Josef EWS	80	14.3	3.4	8.9	+1.3	18.8	23	-0.8	10	162	16	-169	60	1	134
Lake Moeraki EWS	10	12.9	3.1	8.0	..	15.5	1	-0.5	14	200	13	..	52	25	..
Haast AWS	1	13.6	6.7	10.2	+1.8	17.4	24	2.5	30	185	15	-83	53	25	..
Milford Sound AWS	3	10.5	3.6	7.1	+1.3	17.2	1	-0.7	9	235	16	-205	84	1	..
Milford Sound EWS	3	10.6	3.8	7.2	..	16.1	1	-0.5	8	203	23	..	85	1	..
Castle Mount EWS	2000	3.2	-2.5	0.4	+2.3	10.8	7	-9.4	30	..	..	..	..	..	..
Secretary Island AWS	19	13.9	8.6	11.3	+1.7	16.4	21	4.0	30	255	17	-42	70	3	..
Stephens Island AWS	188	13.7	10.4	12.1	..	..	..	..	..	..	..	..	..	..	..
Motueka, Riwaka EWS	8	16.4	4.3	10.4	+2.6	20.4	25	-1.9	8	139	14	-5	46	20	..
Pelorus Sd, Crail Bay	13	14.5	9.0	11.8	+1.7	17.7	2	5.6	13	56	13	-123	28	4	..
Nelson Aero	2	15.2	5.1	10.2	+1.7	17.6	12	0.5	8	89	12	-11	54	26	..
Appleby 2 EWS	18	15.8	3.0	9.4	+1.8	18.2	25	-3.2	9	75	12	-31	28	26	163
Richmond EWS	1	14.5	3.7	9.1	+1.0	17.0	21	-1.8	8	69	11	..	36	26	171
Nelson Aero AWS	6	15.1	5.5	10.3	+1.8	17.6	12	0.4	8	84	20	-13	45	26	..
Blenheim Research EWS	4	14.8	4.6	9.7	+0.9	17.3	1	0.3	7	22	10	-47	7	23	167
Blenheim Aero AWS	36	14.7	3.6	9.2	+1.4	17.2	1	-1.5	6	37	18	-37	11	4	..
Brothers Island AWS	68	14.6	11.2	12.9	+1.8	18.0	2	..	..	..	..	..	..	..	..
Grassmere Salt Works	2	14.7	7.6	11.2	+1.8	20.0	1	2.3	16	29	10	-40	10	23	..
Cape Campbell AWS	6	13.6	9.6	11.6	+1.4	17.7	1	6.3	13	31	15	-32	9	23	..
Hanmer Forest EWS	363	10.4	-0.8	4.8	+0.0	16.9	1	-6.9	9	77	11	-22	25	4	..
Kaikoura, Middle Cree	5	13.5	4.3	8.9	+1.6	21.0	1	-0.5	11	..	..	..	..	..	..
Kaikoura AWS	108	13.0	8.2	10.6	+1.4	20.6	1	5.7	8	134	17	+61	44	18	..
Arthurs Pass	745	8.0	0.1	4.1	+1.1	..	..	-4.7	17	174	17	-204	99	1	..
Arthurs Pass EWS	745	8.2	-0.1	4.1	+1.0	10.9	1	-4.8	17	169	16	..	98	1	..
Arthurs Pass AWS	743	7.8	0.4	4.1	+0.9	11.2	1	-3.7	17	186	26	..	104	1	..
Culverden AWS	181	11.7	1.6	6.7	+0.9	18.8	1	-4.5	11	47	20	-15	13	18	..
Medbury CWS	232	11.7	0.7	6.2	+0.2	17.5	1	-7.1	11	40	13	..	13	18	..
Waipara North Branch	497	11.7	-0.4	5.7	..	15.8	1	-8.4	9	82	12	..	35	18	..
Waiiau School CWS	136	12.2	1.9	7.1	+0.9	19.0	1	-4.9	16	58	13	-23	17	18	..
Cheviot EWS	75	13.1	2.7	7.9	+1.2	..	..	..	..	..	..	..	..	..	..
Upper Rakaia EWS	1752	3.5	-0.6	1.5	+1.6	..	..	..	..	..	..	..	..	..	..
Mt Potts EWS	2128	1.3	-3.2	-1.0	+1.1	11.4	9	-9.5	5	..	..	..	..	..	..
Mt Cook EWS	730	7.4	-0.8	3.3	+0.1	12.6	3	-4.2	10	177	15	-114	109	1	..
Mueller Hut EWS	1818	4.8	-1.0	1.9	+1.7	12.8	7	-7.4	5	146	11	..	90	1	..
Mt Cook Aero AWS	656	7.6	-2.4	2.6	+0.1	13.6	1	-8.0	10	131	21	..	68	1	..
Cass EWS	571	9.8	-1.8	4.0	..	..	..	..	..	42	17	..	18	1	..
Methven CWS	313	11.8	2.1	7.0	+0.5	18.5	1	-3.2	16	96	15	+19	36	18	..
Winchmore 2 EWS	164	11.7	2.1	6.9	..	18.9	1	-3.5	11	62	8	-6	26	27	122
Chertsey CWS	108	12.0	4.3	8.2	+1.5	18.5	1	-1.2	7	48	11	-22	27	27	..
Mayfield at Ruapuna F	325	12.1	0.3	6.2	..	18.2	1	-5.0	16	84	16	..	17	7	..
Peel Forest	286	11.6	0.6	6.1	+0.6	19.6	1	-4.2	10	63	14	-7	21	27	..
Lismore, Racemans Hou	168	13.1	3.4	8.3	+2.0	20.9	1	-1.3	16	72	10	..	24	27	..
Ashburton Council	101	12.3	3.5	7.9	+1.3	20.6	1	-2.5	11	60	13	-6	23	27	..
Ashburton Aero AWS	88	12.2	2.7	7.5	+1.5	..	..	..	..	47	12	-34	20	27	113
Ohoka CWS		12.5	2.5	7.5	..	19.0	1	-4.0	11	9	12	..	4	4	..
Rangiora EWS	23	13.1	3.2	8.2	+1.5	19.4	1	-3.1	11	47	14	-5	13	27	104
Christchurch Aero	37	12.5	3.7	8.1	+1.7	18.8	1	-3.3	11	51	20	-17	13	27	92
Christchurch Aero Bac	37	12.5	3.7	8.1	+1.7	18.7	1	-3.1	11	45	19	..	12	27	..
Christchurch Gardens	7	13.1	5.7	9.4	+2.1	18.0	1	-0.6	7	60	13	-13	19	27	..
Christchurch, Kyle St	6	13.1	5.5	9.3	+2.1	25.0	29	-1.1	7	42	11	-29	16	27	..
Christchurch Botanic	17	12.9	5.7	9.3	..	18.1	1	-0.6	7	51	14	..	17	27	..
Bromley EWS	3	12.9	6.5	9.7	..	17.3	2	-0.7	7	31	14	..	16	27	95
Lincoln, Broadfield E	18	12.6	5.4	9.0	+2.1	18.7	1	-1.6	7	53	15	-11	12	27	92
Sugar Loaf AWS	496	9.6	6.4	8.0	+1.2	16.0	1	3.0	5	..	..	..	..	..	..
Diamond Harbour EWS	122	12.3	8.2	10.3	+2.2	18.6	1	2.0	7	73	19	..	30	27	90
Akaroa EWS	45	13.4	8.2	10.8	+2.0	20.4	1	2.7	7	90	17	-21	24	27	81
Le Bons Bay AWS	238	11.0	8.4	9.7	+1.3	17.1	1	5.3	7	42	14	-28	14	27	..
Lake Tekapo, Air Safa	762	7.9	-1.9	3.0	+0.3	15.6	1	-5.5	10	32	10	-26	19	27	..
Lake Tekapo EWS	762	8.0	-1.3	3.4	+0.7	16.6	1	-4.9	10	32	12	-20	19	27	144
Fairlie AWS	403	10.5	2.2	6.4	+0.7	19.4	1	-6.5	9	36	11	..	14	4	..
Pukaki Aerodrome AWS	461	5.9	-1.7	2.1	+0.1	17.6	1	-7.2	11	2	2	-44	1	27	..
Orari Estate	81	12.0	1.7	6.9	+1.2	22.1	1	-3.4	11	41	11	-13	19	27	..

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

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine
		Means of		Mean of A and B	Differ—ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ—ence From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Orari Estate EWS	81	12.2	1.5	6.9	+1.1	21.4	1	-3.9	11	41	11	..	18	27	..
Timaru Aero AWS	27	11.9	1.8	6.9	+1.3	19.1	1	-4.3	15	46	16	+11	19	27	..
Timaru EWS	17	11.7	3.8	7.8	+1.9	17.4	1	-2.2	11	27	11	-12	10	27	..
Otaio @ Springbank ro	14	12.6	4.1	8.4	..	20.9	1	-1.8	11	27	12	..	9	27	..
Waimate CWS	39	12.7	3.9	8.3	+1.9	19.5	1	-2.4	11	37	8	-1	17	19	..
Oamaru Airport AWS	30	11.6	3.6	7.6	+1.4	18.9	1	-0.2	11	49	9	+6	29	27	..
Albert Burn	1280	5.6	-0.5	2.6	+1.3	9.1	1	-6.1	5	173	16	+13	86	1	..
Mt Larkins EWS	1900	1.8	-2.0	-0.1	+2.3	7.6	6	-8.9	5	34	7	..	28	1	..
Tara Hills AWS	485	6.9	-3.1	1.9	-1.1	..	..	..	..	26	20	-12	10	4	..
Wanaka CWS	331	7.6	0.5	4.1	..	16.7	1	-2.8	15	43	9	..	15	4	..
Wanaka Aero AWS	352	6.8	0.9	3.9	-0.4	15.8	1	-3.8	11	47	19	-9	15	4	..
Windsor EWS	81	12.5	1.5	7.0	+1.1	20.4	1	-3.6	8	45	10	+10	18	19	..
Ranfurly EWS	450	8.8	-2.3	3.3	+0.3	17.9	1	-8.7	10	26	5	-7	15	27	..
Oamaru AWS	40	12.0	4.2	8.1	+0.9	20.0	1	-0.9	8	39	14	-5	25	27	..
Palmerston	21	12.7	2.2	7.5	+1.7	19.6	1	-3.1	8	46	6	+1	28	27	98
Middlemarch EWS	213	8.5	-1.6	3.5	-0.9	21.1	1	-7.9	16	29	13	-28	14	27	95
Swampy Summit AWS	716	7.6	3.2	5.4	+1.7	15.0	1	-2.0	9	..	..	..	..	..	..
Dunedin Aero AWS	2	11.3	-0.4	5.5	+0.0	20.8	1	-6.3	8	48	22	-1	27	27	..
Dunedin, Musselburgh	4	12.2	5.9	9.1	+1.7	20.0	1	-0.6	8	51	7	-8	24	27	87
Oamaru EWS	20	12.2	3.6	7.9	+1.7	18.1	1	-2.2	11	31	8	..	22	27	105
Murchison Mtns EWS	1140	5.4	1.6	3.5	+1.8	8.4	24	-3.8	30	173	14	+29	73	1	..
Te Anau At Park HQ Cw	204	7.5	2.3	4.9	..	12.5	1	-1.4	5	..	..	..	..	..	..
Manapouri, West Arm J	178	6.9	1.4	4.2	+0.0	11.7	1	-1.8	7	183	17	-98	72	1	..
Manapouri Aero AWS	209	8.2	1.0	4.6	+0.1	13.3	1	-4.3	5	76	29	-15	28	3	..
Birchwood WXT AWS	149	11.0	1.3	6.2	+0.5	18.2	1	-2.9	7	55	14	..	13	3	..
Queenstown EWS	322	8.3	1.0	4.7	..	14.6	1	-2.6	9	40	8	..	10	1	..
Queenstown Aero AWS	357	8.2	-0.2	4.0	-0.1	14.9	1	-4.0	10	51	23	-11	10	4	134
Five Rivers CWS	260	10.8	-0.4	5.2	+0.3	16.7	1	-6.9	10	56	14	..	18	27	..
Lumsden AWS	194	9.4	-0.4	4.5	-0.3	17.5	1	-5.5	10	55	19	-15	17	27	..
Waipounamu CWS	152	9.2	-1.1	4.1	-0.5	18.9	1	-5.7	8	..	..	..	..	..	..
Cromwell EWS	213	7.6	0.6	4.1	-0.2	19.1	1	-3.0	5	27	8	-7	12	4	55
Lauder EWS	375	6.4	-2.1	2.2	-1.1	18.1	1	-7.7	9	39	14	+5	14	27	..
Ophir 2	305	6.8	-3.0	1.9	-0.9	18.2	1	-8.1	17	36	6	+2	16	4	..
Alexandra	150	7.1	-0.9	3.1	-0.7	20.2	1	-5.2	16	19	7	-12	8	27	67
Clyde 2 EWS	170	6.6	-1.2	2.7	-0.8	19.5	1	-4.3	17	25	8	-8	9	27	..
Alexandra AWS	231	6.1	-0.9	2.6	-0.5	19.3	1	-5.1	16	26	20	..	10	27	..
Alexandra EWS	132	7.1	-0.7	3.2	..	19.9	1	-4.5	17	16	8	..	6	27	87
Roxburgh WXT AWS	160	8.8	2.4	5.6	-0.1	18.9	1	-1.3	11	27	10	..	10	27	..
Ettrick No.2	91	9.8	0.3	5.1	+0.0	19.8	1	-3.5	10	22	7	-21	7	3	..
Tapanui EWS	180	11.0	0.9	6.0	..	19.0	1	-5.1	10	49	13	..	15	27	..
Gore AWS	123	9.4	1.4	5.4	-0.1	17.8	1	-4.0	10	67	20	-11	20	30	..
Gore EWS	60	9.7	1.1	5.4	..	17.9	1	-3.8	10	53	13	..	16	30	123
Invercargill Aero	1	11.3	1.6	6.5	+0.4	16.7	1	-2.1	16	103	13	-1	25	30	130
Invercargill Aero AWS	3	11.4	1.4	6.4	+0.4	16.9	1	-2.1	7	111	22	+16	25	30	..
Invercargill Aero 2 E		11.6	1.1	6.4	+0.6	17.0	1	-2.4	16	91	13	+6	23	30	..
Tiwai Point EWS	5	11.2	3.6	7.4	+0.3	16.1	1	-1.1	10	72	14	-21	13	1	..
Stewart Island EWS	3	12.0	4.3	8.2	..	15.9	1	0.4	30	79	15	..	28	1	..
Balclutha, Telford Ew	11	10.4	0.6	5.5	+0.2	17.1	1	-4.5	17	44	14	-9	16	27	101
Balclutha, Finegand E	6	10.5	1.0	5.8	..	18.3	1	..	..	45	12	..	16	27	..
Nugget Point AWS	131	10.1	5.1	7.6	+0.8	17.8	1	-0.8	10	67	18	-13	17	27	..
Tautuku EWS	25	11.4	3.8	7.6	..	18.7	1	-1.9	10	117	16	..	23	12	..
South West Cape AWS	103	11.8	7.8	9.8	+1.8	..	..	4.4	30	81	20	-33	26	3	..
Kiribati,Cassidy Chri	3	31.4	25.8	28.6	..	..	..	..	..	..	..	..	..	..	..
Solomon, Munda	6	..	24.8	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	32.7	24.4	28.6	..	34.2	12	..	..	..	..	..	..	..	..
Solomon, Henderson	9	32.4	23.4	27.9	..	..	..	..	..	..	..	..	..	..	..
Solomon, Santa Cruz	24	..	23.5	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Pekoa	56	27.8	22.3	25.1	..	..	..	16.0	27	..	..	..	..	..	..
Vanuatu, Bauerfield	20	27.0	17.8	22.4	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	..	17.8	..	..	..	..	14.4	19	..	..	..	..	..	..
New Cal, Koumac	18	25.5	15.9	20.7	..	28.0	14	13.0	27	..	..	..	..	..	..
New Cal, Oulop	7	26.3	18.1	22.2	..	27.4	1	10.7	29	..	..	..	..	..	..
New Cal, Ouanaham	29	25.5	15.1	20.3	..	..	..	6.6	27	..	..	..	..	..	..

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

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine
		Means of		Mean of A and B	Differ—ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ—ence From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
New Cal, La Roche	42	25.8	12.1	19.0	..	28.4	29	5.9	27	..	..	..	..	..
New Cal, La Tontouta	14	26.0	13.5	19.8	..	29.1	20	8.9	27	..	..	..	..	..
New Cal, Nouma	72	25.0	17.3	21.2	..	26.9	20	15.7	11	..	..	..	..	..
New Cal, Moue	97	23.5	15.8	19.7	..	24.6	4	12.7	18	..	..	..	..	..
Kiribati,Butaritari	2	31.6	26.3	29.0	..	33.2	3	..	..	..	..	..	..	..
Kiribati,Tarawa	2	..	25.9	..	..	..	..	..	..	..	..	..	..	..
Kiribati, Bonriki Int	4	31.6	26.0	28.8	..	33.1	7	23.2	25	..	..	..	..	..
Kiribati,Beru	2	..	26.5	..	..	..	..	..	..	..	..	..	..	..
Kiribati,Arorae	7	32.5	26.9	29.7	..	..	..	24.7	7	..	..	..	..	..
Tuvalu,Nanumea Is	2	..	26.7	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	..	26.5	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	33.1	28.5	30.8	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	..	25.7	..	..	..	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	28.5	19.7	24.1	..	32.1	2	16.0	27	..	..	..	..	..
Fiji,Nausori Aero	6	27.2	19.4	23.3	..	32.1	21	15.8	27	..	..	..	..	..
Wallis Island, Hihifo	27	29.8	24.8	27.3	..	..	..	21.7	24	..	..	..	..	..
Maopoopo, Futuna Isla	36	30.4	25.6	28.0	..	..	..	24.1	1	..	..	..	..	..
Samoa, Pago Pago Aero	3	30.0	25.3	27.7	..	..	..	22.7	25	..	..	..	..	..
CI Rarotonga Aero	7	27.0	19.9	23.5	..	..	..	..	..	..	..	..	..	..
Vanuatu, Saratamata	18	..	21.1	..	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	30.5	23.7	27.1	..	..	..	22.4	24	96	16	..	24	29
Society Is, Mopelia		29.3	24.4	26.9	..	30.6	28	18.4	2	..	..	..	..	..
Tahiti - Faaa	1	29.8	22.9	26.4	..	31.0	15	20.7	3	25	3	..	14	22	
Tuamotu, Takaraoa	2	30.1	25.6	27.9	..	..	..	24.2	15	..	..	..	..	..
Tuamotu, Hao	3	28.0	24.6	26.3	..	28.7	19	23.4	10	..	..	..	..	..
Gambier, Rikitea	91	24.5	20.4	22.5	..	26.7	2	18.3	9	32	11	..	13	19	
Tubuai	2	27.4	22.3	24.9	..	29.5	27	18.6	5	..	..	..	..	..
Rapa	1	21.5	17.4	19.5	..	24.5	29	12.4	22	176	23	..	42	23	
Raoul Island AWS	50	20.8	14.5	17.7	+0.1	22.3	9	11.1	15	123	23	-15	23	25	
Enderby Is AWS	39	9.9	6.8	8.4	..	11.6	14	2.6	30	105	29	..	16	1	
Campbell Island AWS	16	8.8	5.9	7.4	+2.4	10.7	1	2.3	15	248	30	+134	69	28	
Chatham Island Aero A	12	13.5	8.8	11.2	+1.9	17.4	2	3.6	5	37	22	-57	7	14	
Georg Von Neumayer	40	-16.0	-24.6	-20.3	..	-7.1	27	-40.0	7	..	..	..	..	..
Ant South Pole	2827	-53.3	-61.2	-57.3	..	-41.4	6	-72.3	30	..	..	..	..	..
Gen Belgrano 2	256	-12.7	-20.4	-16.6	..	-3.1	14	-31.1	30	..	..	..	..	..
Bellingshausen	16	-2.4	-6.1	-4.3	..	..	..	-13.9	28	..	..	..	..	..
Base Jubany	4	-0.7	-6.9	-3.8	..	7.5	2	-19.3	24	..	..	..	..	..
V C Marambio	198	-12.8	-18.9	-15.9	..	1.1	3	-30.2	24	..	..	..	..	..
Eduardo Frei	10	-3.1	-6.0	-4.6	..	..	..	..	..	..	..	..	..	..
Arturo Prat		-2.2	-4.6	-3.4	..	..	..	..	..	..	..	..	..	..
Great Wall	10	-2.0	-6.1	-4.1	..	..	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	-5.8	-8.2	-7.0	..	..	..	..	..	..	..	..	..	..
Palmer Station	8	-0.6	-4.3	-2.5	..	..	..	..	..	..	..	..	..	..
Rothera Point	16	-3.9	-7.2	-5.6	..	3.7	2	-13.1	27	..	..	..	..	..
Argentine Is, Faraday	11	-1.2	-4.9	-3.1	..	..	..	..	..	..	..	..	..	..
Gen San Martin	4	-4.4	-9.8	-7.1	..	3.1	4	-16.8	28	..	..	..	..	..
Novolax Arevskaja	99	-11.5	-15.5	-13.5	..	-4.0	8	-24.4	6	..	..	..	..	..
Maitri		-10.7	-16.2	-13.5	..	..	..	..	..	..	..	..	..	..
Syowa	21	-10.8	-16.5	-13.7	..	-4.5	25	-27.8	24	..	..	..	..	..
Mawson	16	-12.1	-19.0	-15.6	..	..	..	-27.8	30	..	..	..	..	..
Davis	13	-10.9	-18.3	-14.6	..	..	..	-29.8	5	..	..	..	..	..
Progress	64	-12.0	-14.0	-13.0	..	-4.4	16	..	..	..	..	..	..	..
Mirnyj	30	-14.2	-17.0	-15.6	..	-5.2	12	-28.9	30	..	..	..	..	..
Vostok	3420	-60.5	-65.8	-63.2	..	-38.4	10	-75.9	1	..	..	..	..	..
Casey	41	-11.3	-18.7	-15.0	..	..	..	-26.7	27	..	..	..	..	..
Durmout Durville	43	-12.6	-17.8	-15.2	..	-2.7	9	-23.3	2	..	..	..	..	..
Mcmurdo	24	-17.5	-25.4	-21.5	..	-4.4	9	-36.4	30	..	..	..	..	..
Arrival Heights EWS	187	-18.9	-26.6	-22.8	..	-6.5	10	-38.5	30	..	..	..	..	..
Scott Base 2 EWS	42	-18.2	-29.2	-23.7	..	-5.8	8	-41.6	3	..	..	..	..	..
Darwin Airport	31	31.7	14.5	23.1	..	..	..	..	..	..	..	..	..	..

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	Hrs			
Late returns and corrections for May 2023															
Kaitaia EWS	85	19.6	13.9	16.8	+2.0	23.9	2	7.7	12	349	26	+219	98	3	122
Dargaville 2 EWS	66	19.2	12.4	15.8	+1.3	24.2	1	4.8	26	182	22	+67	35	9	101
Whangarei EWS	12	19.7	11.8	15.8	+1.6	24.0	1	4.5	26	248	24	..	75	9	124
Auckland, North Shore	64	19.1	12.7	15.9	+2.1	22.6	2	4.7	26	256	24	+138	83	9	116
Auckland, Henderson N	7	19.4	11.7	15.6	+1.8	22.9	2	2.7	26	323	26	+183	105	9	..
Auckland, Motat EWS	16	19.5	12.9	16.2	..	22.6	2	4.4	26	250	25	..	89	9	130
Waiheke Island, Awaro	34	19.9	12.3	16.1	+2.0	23.5	3	4.0	13	189	..	+71	114	10	..
Manukau Heads EWS	240	16.9	13.1	15.0	..	20.0	29	7.9	12	284	26	..	47	9	117
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	143
Rotorua EWS	288	16.1	8.9	12.5	..	19.1	8	1.3	17	307	21	..	72	9	124
Taupo CWS	360	16.3	8.7	12.5	..	21.1	2	..	..	..	..	..	..	..	..
Auckland, Mangere 2 E	16	18.9	12.7	15.8	..	22.2	2	4.8	26	232	23	+121	86	9	125
Auckland Aero	7	18.7	12.7	15.7	+1.5	22.1	2	6.0	26	271	29	+151	94	9	..
Firth Of Thames EWS	3	19.2	9.9	14.6	+2.0	23.7	2	1.3	13	129	21	+30	52	9	132
Hamilton, Ruakura 2 E	45	18.4	9.9	14.2	+2.2	24.3	2	1.8	13	188	22	+85	83	9	118
Waikeria EWS	37	18.1	9.2	13.7	..	23.4	2	0.2	17	170	21	+64	46	9	120
Te Kuiti EWS	61	18.1	9.2	13.7	+2.1	24.0	2	1.1	26	265	22	+124	46	3	103
Turangi 2 EWS	360	15.6	7.1	11.4	+1.8	21.3	2	-2.0	17	254	21	+125	44	19	101
Mt Ruapehu, Chateau E	1097	10.3	3.8	7.1	+1.0	15.4	8	..	..	297	22	+43	57	20	..
Masterton EWS	90	17.9	7.7	12.8	+2.6	24.2	5	-0.4	12	56	12	..	20	15	121
Dannevirke EWS	207	16.7	7.9	12.3	+2.0	22.4	6	-0.1	17	69	18	-9	32	20	119
Akitio EWS	245	15.7	10.2	13.0	+1.8	20.8	3	3.7	12	73	20	..	16	15	147
Martinborough EWS	20	17.7	8.9	13.3	+2.4	23.8	8	0.8	25	80	18	+17	26	15	86
Napier EWS	7	19.3	10.5	14.9	..	22.4	10	2.6	26	31	8	-38	13	9	174
Waipawa EWS	130	17.9	7.2	12.6	+1.9	22.6	2	-0.6	26	28	14	-32	15	20	140
Paraparaumu Aero	5	17.9	10.5	14.2	+2.2	22.2	2	..	..	130	18	+33	44	3	120
Paraparaumu Aero EWS	5	18.0	10.7	14.4	..	22.4	3	1.6	12	121	16	+24	45	3	119
Palmerston North EWS	21	18.1	8.7	13.4	+1.7	24.0	8	0.7	12	101	19	+14	23	20	126
Levin EWS	23	18.3	9.6	14.0	..	23.8	2	1.1	12	128	19	..	24	20	121
Wellington Aero	4	17.1	12.1	14.6	+1.9	21.9	8	5.9	12	138	19	+50	35	27	..
Upper Hutt, Trentham	50	17.3	8.3	12.8	+2.0	22.9	8	-0.5	12	163	17	+29	37	3	108
Stratford EWS	280	15.8	9.0	12.4	+1.6	20.2	1	0.9	16	343	21	+144	79	3	86
Whanganui, Spriggens	15	18.3	9.9	14.1	+1.3	24.3	1	3.9	12	146	17	+65	62	20	..
Takaka EWS	20	17.2	8.3	12.8	+1.9	21.3	1	2.0	17	361	20	+183	102	5	123
Westport EWS	6	16.7	9.7	13.2	..	23.7	1	..	..	260	25	..	35	3	115
Arapito EWS	3	17.9	9.8	13.9	+2.7	24.5	1	3.5	12	263	21	+66	46	6	117
Reefton EWS	198	15.4	7.4	11.4	+2.3	21.6	1	0.9	12	262	22	+91	35	9	79
Greymouth Aero EWS	5	16.6	9.8	13.2	+2.2	23.5	1	4.5	16	336	24	+126	42	9	89
Franz Josef EWS	80	15.6	7.5	11.6	+1.8	23.2	1	1.2	15	691	25	+317	96	8	77
Milford Sound EWS	3	13.7	7.4	10.6	..	18.2	3	3.5	15	1129	27	..	231	2	..
Appleby 2 EWS	18	17.4	7.7	12.6	+2.5	22.0	1	0.0	16	210	15	+123	64	5	127
Richmond EWS	1	16.3	7.6	12.0	+1.3	20.6	1	0.5	17	221	16	..	84	5	131
Blenheim Research EWS	4	17.4	7.7	12.6	+1.4	..	..	..	..	82	13	+25	20	5	140
Cheviot EWS	75	17.3	5.4	11.4	+1.8	26.0	2	-1.8	16	31	11	-24	14	10	126
Winchmore 2 EWS	164	15.4	5.6	10.5	..	22.2	2	-1.5	16	56	9	-6	31	10	127
Waipara West EWS	130	18.3	7.6	13.0	+2.5	25.9	3	1.1	16	18	11	-28	7	10	..
Rangiora EWS	23	17.0	6.7	11.9	+2.5	25.1	8	-0.5	16	30	14	-24	11	10	111
Christchurch Aero	37	16.2	6.1	11.2	+1.9	23.6	3	-1.8	16	55	21	-3	17	10	114
Christchurch Gardens	7	16.5	7.6	12.1	+2.0	23.0	3	0.5	16	53	14	-10	17	20	..
Bromley EWS	3	16.0	8.5	12.3	..	22.8	3	1.3	16	55	10	..	19	22	111
Lincoln, Broadfield E	18	16.2	7.8	12.0	+2.2	22.7	8	-0.7	16	58	13	+1	19	10	107
Diamond Harbour EWS	122	15.8	9.3	12.6	+1.9	22.2	3	3.5	16	97	12	..	37	10	114
Akaroa EWS	45	16.9	9.6	13.3	+1.8	24.6	8	4.6	16	92	14	-3	41	20	90
Lake Tekapo EWS	762	13.7	3.3	8.5	+2.1	20.9	2	-2.1	16	78	17	+6	15	26	141
Middlemarch EWS	213	15.4	2.3	8.9	+1.9	23.8	2	-5.2	16	63	10	-7	28	17	130
Dunedin, Musselburgh	4	15.5	7.8	11.7	+2.1	22.6	3	3.6	22	90	13	+26	34	17	114
Oamaru EWS	20	15.2	6.3	10.8	+2.4	23.3	6	0.3	16	20	10	..	6	10	133
Cromwell EWS	213	15.5	2.9	9.2	+1.5	24.0	3	-1.9	16	59	12	+21	20	17	127
Clyde 2 EWS	170	14.2	1.8	8.0	+1.0	25.0	3	-2.3	23	56	14	+21	18	17	..
Alexandra EWS	132	14.2	2.7	8.5	..	23.4	3	-1.8	16	57	14	..	19	17	121
Ettrick No.2	91	15.0	3.4	9.2	+1.4	24.0	3	-2.0	16	49	12	+3	19	10	..

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	
Gore EWS	60	14.6	5.0	9.8	..	23.1	3	..	..	95	20	..	24	17	..
Invercargill Aero 2 E		14.5	5.2	9.9	+1.7	23.8	3	0.6	1	112	20	+6	19	16	..
Stewart Is	3	14.9	7.0	11.0	+2.0	..	..	..	..	154	..	-1	37	26	..
Balclutha, Telford Ew	11	14.4	4.6	9.5	+1.7	24.0	3	-2.1	22	66	14	-9	19	17	97

Late returns and corrections for April 2023

Kaitaia EWS	85	21.7	15.8	18.8	+1.9	23.8	14	9.9	5	121	13	+22	38	21	108
Dargaville 2 EWS	66	21.4	14.2	17.8	+1.3	25.4	10	8.1	1	73	17	-14	26	21	81
Whangarei EWS	12	21.4	13.6	17.5	+1.3	..	..	..	..	229	19	..	65	30	100
Auckland, North Shore	64	21.2	14.3	17.8	+1.8	24.1	2	5.1	25	84	18	-9	23	6	144
Auckland, Motat EWS	16	21.8	14.5	18.2	..	25.2	2	5.0	25	80	16	..	39	30	157
Manukau Heads EWS	240	18.8	14.3	16.6	..	21.9	10	9.0	25	108	17	..	49	30	150
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	195
Rotorua EWS	288	19.3	10.3	14.8	..	23.1	2	0.4	25	84	12	..	32	9	177
Auckland, Mangere 2 E	16	21.1	14.4	17.8	..	23.8	2	5.2	25	95	12	+3	31	30	150
Firth Of Thames EWS	3	21.4	11.5	16.5	+1.3	25.6	20	1.1	25	47	14	-76	12	6	144
Hamilton, Ruakura 2 E	45	21.1	11.1	16.1	+1.4	24.3	10	1.4	25	36	13	-56	13	9	155
Waikeria EWS	37	21.2	10.1	15.7	..	24.2	19	0.2	25	44	9	-44	28	9	146
Te Kuiti EWS	61	21.6	9.0	15.3	+1.0	..	..	..	..	64	10	-44	29	21	148
Turangi 2 EWS	360	19.0	7.1	13.1	+1.2	21.9	2	-1.4	25	124	9	+1	63	21	164
Masterton EWS	90	19.2	9.3	14.3	+1.7	24.1	20	1.4	25	..	..	..	..	..	133
Dannevirke EWS	207	18.3	10.0	14.2	+1.5	..	..	..	..	110	17	+23	46	21	120
Akitio EWS	245	16.6	11.1	13.9	+0.8	23.1	20	4.2	25	111	23	..	29	21	136
Martinborough EWS	20	19.0	9.9	14.5	+1.4	23.1	20	2.2	4	85	15	+23	22	19	115
Napier EWS	7	21.2	13.0	17.1	..	26.5	10	3.9	25	24	12	-60	7	22	160
Waipawa EWS	130	19.8	9.3	14.6	+1.5	25.5	20	1.0	25	46	16	-34	14	21	115
Paraparaumu Aero EWS	5	19.2	10.2	14.7	..	22.6	20	3.7	25	183	11	+109	44	19	181
Palmerston North EWS	21	20.0	11.0	15.5	+1.5	24.8	10	2.2	25	97	13	+13	34	19	168
Levin EWS	23	20.1	10.5	15.3	..	24.4	10	2.2	25	140	13	..	51	19	178
Upper Hutt, Trentham	50	18.7	9.2	14.0	+1.3	22.5	9	0.5	25	136	14	+29	40	10	160
Stratford EWS	280	17.8	9.5	13.7	+0.8	20.5	2	4.1	25	234	13	+76	91	21	147
Takaka EWS	20	19.6	8.8	14.2	+0.9	23.3	2	3.6	25	224	12	+60	45	18	191
Westport EWS	6	18.3	10.5	14.4	..	21.9	14	6.2	25	235	14	..	36	10	192
Arapito EWS	3	19.7	10.0	14.9	+1.7	23.1	14	5.2	7	172	17	-3	37	11	176
Reefton EWS	198	18.0	7.0	12.5	+0.4	21.2	14	2.1	25	188	15	+45	41	10	147
Greymouth Aero EWS	5	18.3	10.2	14.3	+1.4	22.2	14	5.3	25	315	14	+114	73	18	149
Franz Josef EWS	80	18.2	7.4	12.8	+0.9	22.8	14	2.6	24	448	14	+119	112	11	164
Appleby 2 EWS	18	19.9	7.0	13.5	+0.9	23.4	22	1.1	25	100	10	+21	22	10	186
Richmond EWS	1	18.6	8.6	13.6	+0.2	22.4	2	2.4	25	127	10	..	27	18	194
Blenheim Research EWS	4	19.1	9.5	14.3	+0.8	..	..	..	..	36	8	-18	11	18	160
Cheviot EWS	75	18.3	7.2	12.8	+1.1	23.0	18	-1.0	25	47	12	-19	14	23	151
Mt Cook EWS	730	14.3	4.9	9.6	+0.2	18.9	17	0.8	24	234	14	-103	60	5	..
Winchmore 2 EWS	164	17.0	6.7	11.9	..	23.8	1	1.0	25	45	12	-26	14	21	175
Waipara West EWS	130	19.0	8.3	13.7	+1.0	25.8	1	0.4	25	49	11	-10	18	6	143
Rangiora EWS	23	18.5	8.3	13.4	+1.5	25.3	18	1.7	25	40	12	-18	8	18	138
Bromley EWS	3	17.1	11.0	14.1	..	21.6	2	3.1	25	42	10	..	13	21	156
Lincoln, Broadfield E	18	17.4	9.5	13.5	+1.2	23.0	18	2.0	27	43	11	-11	14	21	139
Diamond Harbour EWS	122	16.9	10.3	13.6	+0.8	21.7	18	4.8	25	47	15	..	18	21	163
Akaroa EWS	45	17.9	10.3	14.1	+0.5	23.5	18	5.7	27	70	14	-23	17	18	134
Lake Tekapo EWS	762	16.0	4.0	10.0	+0.6	22.3	1	-1.0	24	50	8	-1	19	11	192
Middlemarch EWS	213	17.5	2.9	10.2	+0.0	24.8	1	-3.6	7	53	11	-12	24	10	174
Dunedin, Musselburgh	4	16.3	9.5	12.9	+1.1	22.4	5	4.6	8	29	11	-32	11	25	166
Oamaru EWS	20	16.2	7.6	11.9	+0.8	22.6	25	2.6	27	20	9	..	8	10	173
Cromwell EWS	213	18.7	3.9	11.3	+0.3	23.9	23	-1.4	27	51	9	+17	23	5	189
Alexandra EWS	132	18.7	4.1	11.4	..	24.5	1	-1.3	27	25	7	..	12	11	210
Gore EWS	60	17.2	6.6	11.9	..	22.9	1	0.7	8	..	..	..	..	..	172
Invercargill Aero 2 E		17.3	7.3	12.3	+1.9	21.6	30	2.1	8	64	17	-23	15	25	..
Stewart Is	3	16.2	8.3	12.3	+1.6	..	..	..	..	..	..	..	..	..	..
Balclutha, Telford Ew	11	16.7	6.7	11.7	+1.5	21.8	5	-0.4	8	29	13	-31	8	25	132

Late returns and corrections for March 2023

Kaitaia EWS	85	22.8	13.7	18.3	-0.3	25.9	4	7.3	30	27	8	-58	19	17	232
Dargaville 2 EWS	66	22.3	13.0	17.7	-0.7	24.9	16	5.8	31	21	7	-44	8	10	187

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		
Whangarei EWS	12	24.0	11.5	17.8	-0.6	26.5	4	4.2	30	23	9	..	10	17	227
Auckland, North Shore	64	22.9	12.5	17.7	-0.5	25.3	2	6.6	30	52	8	-36	21	17	235
Auckland, Motat EWS	16	23.1	12.6	17.9	..	26.5	1	6.3	30	36	9	..	12	21	..
Manukau Heads EWS	240	19.7	14.6	17.2	..	22.3	2	8.6	30	57	8	..	22	10	241
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	262
Rotorua EWS	288	21.4	10.2	15.8	..	25.3	4	1.9	30	125	9	..	58	17	256
Auckland, Mangere 2 E	16	22.6	13.8	18.2	..	25.0	3	7.0	30	37	7	-53	13	21	259
Firth Of Thames EWS	3	23.4	10.1	16.8	-0.8	27.4	4	2.9	30	70	7	-28	41	17	236
Hamilton, Ruakura 2 E	45	22.9	10.2	16.6	-0.8	26.5	3	3.8	23	62	7	-13	21	17	244
Waikeria EWS	37	23.0	9.2	16.1	..	27.4	3	1.4	30	57	8	-15	16	17	224
Te Kuiti EWS	61	22.9	9.2	16.1	-0.9	27.3	1	3.5	31	87	11	+11	22	9	205
Turangi 2 EWS	360	20.9	7.4	14.2	-0.6	25.1	4	0.8	24	67	8	-25	31	17	239
Masterton EWS	90	21.9	9.6	15.8	+0.1	27.9	3	3.7	7	71	13	..	18	28	219
Dannevirke EWS	207	20.4	10.1	15.3	-0.1	25.4	3	3.8	7	67	12	-6	17	28	196
Akitio EWS	245	18.5	11.6	15.1	+0.1	23.0	3	5.2	29	62	12	..	14	28	230
Martinborough EWS	20	21.1	10.0	15.6	-0.3	25.5	3	3.9	7	93	14	+43	20	28	169
Napier EWS	7	23.1	12.7	17.9	..	28.0	9	7.6	24	43	9	-19	16	10	253
Waipawa EWS	130	22.3	9.8	16.1	+0.3	25.9	4	5.4	24	29	11	-31	11	28	191
Paraparaumu Aero	5	20.4	12.6	16.5	+0.4	23.6	4	4.7	14	109	13	+42	49	17	185
Paraparaumu Aero EWS	5	20.6	12.9	16.8	..	23.7	4	5.1	14	99	9	+36	44	17	189
Palmerston North EWS	21	21.6	11.5	16.6	-0.1	25.2	4	4.2	29	49	9	-8	16	17	204
Levin EWS	23	20.8	11.7	16.3	..	24.5	4	4.4	23	49	13	..	15	20	..
Upper Hutt, Trentham	50	20.2	10.7	15.5	+0.3	23.5	10	3.8	14	132	14	+63	30	28	180
Stratford EWS	280	19.3	9.2	14.3	-0.8	23.6	4	3.8	31	167	11	+44	38	17	207
Takaka EWS	20	22.4	10.0	16.2	+0.5	28.0	2	1.8	29	146	13	+12	60	16	265
Arapito EWS	3	21.2	10.9	16.1	+0.8	24.9	3	2.1	29	199	16	+53	40	9	211
Reefton EWS	198	20.4	8.7	14.6	-0.6	..	..	1.1	30	198	16	+89	46	8	183
Greymouth Aero EWS	5	19.9	11.5	15.7	+0.7	23.2	2	4.4	29	291	19	+116	61	8	200
Franz Josef EWS	80	20.0	9.3	14.7	+0.6	..	..	1.5	29	534	18	+285	138	20	175
Appleby 2 EWS	18	22.5	9.2	15.9	+0.6	26.6	12	1.7	30	44	10	-27	19	16	251
Richmond EWS	1	21.2	10.4	15.8	-0.5	25.6	10	2.7	29	50	10	..	21	16	271
Blenheim Research EWS	4	22.3	10.6	16.5	+0.4	..	..	..	..	56	9	+17	15	13	248
Cheviot EWS	75	20.6	8.8	14.7	+0.1	29.2	2	3.3	14	119	15	+71	59	5	204
Winchmore 2 EWS	164	19.3	8.5	13.9	..	27.7	2	3.6	29	92	15	+34	23	28	197
Rangiora EWS	23	20.4	9.5	15.0	+0.4	29.3	2	5.1	7	92	16	+54	21	4	182
Bromley EWS	3	19.4	12.1	15.8	..	28.1	17	5.1	29	107	12	..	44	21	223
Lincoln, Broadfield E	18	20.0	10.4	15.2	+0.2	29.4	2	4.4	29	104	16	+60	30	28	197
Diamond Harbour EWS	122	19.2	11.5	15.4	+0.5	28.5	2	4.8	29	113	16	..	37	21	220
Akaroa EWS	45	20.5	11.2	15.9	+0.0	30.5	2	5.7	29	121	17	+53	34	21	183
Lake Tekapo EWS	762	18.6	5.4	12.0	-0.7	27.6	2	-2.4	30	84	15	+55	33	20	221
Middlemarch EWS	213	20.3	6.1	13.2	-0.1	29.4	2	0.1	30	40	14	-23	12	20	164
Dunedin, Musselburgh	4	18.9	10.7	14.8	+0.9	25.4	8	5.4	28	106	16	+52	22	4	..
Oamaru EWS	20	18.2	9.6	13.9	+0.9	25.3	8	4.8	14	69	18	..	11	17	192
Cromwell EWS	213	21.7	6.8	14.3	-0.6	30.4	2	-1.8	30	43	8	+12	17	20	223
Alexandra EWS	132	21.6	7.3	14.5	..	29.9	2	-1.3	30	29	11	..	8	4	224
Gore EWS	60	19.4	7.7	13.6	..	28.6	8	-0.6	29	..	..	..	..	..	174
Invercargill Aero	1	18.7	8.5	13.6	+0.9	26.6	8	2.1	6	125	17	+37	39	20	170
Invercargill Aero 2 E	1	18.8	7.9	13.4	+0.9	26.7	8	1.7	6	125	17	+49	48	20	..
Stewart Is	3	17.9	9.1	13.5	+1.2	24.5	2	3.5	9	176	..	+37	49	20	..
Balclutha, Telford Ew	11	19.3	7.7	13.5	+1.0	26.6	3	2.1	6	80	15	+40	40	20	142
Late returns and corrections for February 2023															
Kaitiā EWS	85	23.8	16.3	20.1	+0.1	26.5	3	12.4	10	104	12	+18	37	13	162
Dargaville 2 EWS	66	23.8	15.8	19.8	+0.0	30.2	1	11.4	26	165	13	+110	85	13	135
Whangarei EWS	12	24.5	15.0	19.8	-0.1	28.4	1	10.8	26	397	15	..	216	12	173
Auckland, North Shore	64	23.6	16.1	19.9	+0.1	26.0	2	12.1	10	269	18	+204	102	13	171
Auckland, Motat EWS	16	24.0	16.5	20.3	..	26.7	2	12.3	10	295	15	..	147	13	193
Manukau Heads EWS	240	20.6	15.8	18.2	..	24.2	2	12.4	25	404	15	..	244	13	178
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	179
Rotorua EWS	288	22.4	14.0	18.2	..	26.3	20	9.3	18	159	14	..	56	13	179
Auckland, Mangere 2 E	16	23.6	16.5	20.1	..	27.1	2	12.8	18	190	15	+134	106	13	189
Firth Of Thames EWS	3	24.4	14.8	19.6	+0.2	27.0	4	9.6	20	149	14	+79	70	13	169
Hamilton, Ruakura 2 E	45	24.2	14.8	19.5	+0.4	28.6	4	10.7	20	142	13	+77	82	13	178

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 Hrs
		Means of		Mean of A and B	Difference From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Difference 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			
Waikeria EWS	37	24.8	14.1	19.5	..	30.8	4	8.3	20	124	14	+53	47	13	159
Te Kuiti EWS	61	24.8	13.9	19.4	+0.5	30.1	4	8.0	18	142	16	+59	44	13	161
Turangi 2 EWS	360	22.3	12.0	17.2	+0.2	26.3	4	2.7	18	95	13	+4	22	2	163
Masterton EWS	90	23.2	12.4	17.8	+0.2	30.1	4	6.9	18	146	17	..	31	13	178
Dannevirke EWS	207	21.5	13.8	17.7	+0.4	28.9	2	6.5	18	175	15	+105	52	13	141
Akitio EWS	245	20.1	14.3	17.2	+0.4	27.2	4	10.2	18	255	15	..	111	13	181
Martinborough EWS	20	23.0	13.3	18.2	+0.4	28.7	2	7.5	18	106	11	+54	24	14	135
Napier EWS	7	24.1	16.1	20.1	..	31.5	6	11.7	18	242	13	+190	131	13	194
Waipawa EWS	130	23.2	13.2	18.2	+0.2	30.2	4	8.3	9	221	16	+166	117	13	153
Paraparaumu Aero EWS	5	22.2	15.2	18.7	..	26.5	2	8.5	18	71	12	+9	18	5	162
Palmerston North EWS	21	22.8	15.1	19.0	+0.6	28.5	2	8.0	18	103	13	+34	21	2	142
Levin EWS	23	22.5	13.8	18.2	..	..	..	..	..	86	12	..	20	15	181
Upper Hutt, Trentham	50	22.1	14.0	18.1	+1.1	26.4	2	6.6	18	141	12	+70	46	13	152
Stratford EWS	280	20.4	12.5	16.5	-0.1	25.7	4	8.0	18	149	12	+28	54	13	136
Takaka EWS	20	23.8	13.4	18.6	+1.2	29.0	21	7.8	9	117	8	+11	50	5	222
Westport EWS	6	23.4	16.5	20.0	..	27.5	4	11.3	25	81	10	..	29	5	239
Arapito EWS	3	24.3	13.8	19.1	+2.4	28.5	4	6.7	24	85	13	-42	22	1	211
Reefton EWS	198	24.6	12.0	18.3	+0.9	28.9	4	4.9	24	51	9	-51	15	1	196
Greymouth Aero EWS	5	23.4	14.6	19.0	+2.7	27.2	15	10.3	11	114	12	-45	28	5	237
Franz Josef EWS	80	23.3	11.9	17.6	+2.1	26.9	15	6.0	24	481	13	+171	192	5	201
Appleby 2 EWS	18	23.8	12.8	18.3	+1.3	28.7	21	5.4	25	72	9	+6	33	1	195
Richmond EWS	1	22.8	13.7	18.3	+0.4	26.3	7	7.7	25	66	9	..	24	1	209
Blenheim Research EWS	4	23.6	14.3	19.0	+1.1	..	..	..	..	40	9	-5	9	25	195
Cheviot EWS	75	23.3	12.2	17.8	+1.1	33.9	4	8.0	9	178	13	+125	51	26	195
Winchmore 2 EWS	164	22.7	11.4	17.1	..	32.6	4	3.4	25	60	9	+4	22	22	227
Waipara West EWS	130	23.5	12.7	18.1	+1.0	33.0	4	7.2	9	51	8	+6	14	22	..
Rangiora EWS	23	23.5	12.9	18.2	+1.7	33.3	3	8.2	13	53	11	+10	20	22	208
Bromley EWS	3	22.7	15.0	18.9	..	31.2	6	9.6	24	34	11	..	14	22	230
Lincoln, Broadfield E	18	23.6	13.2	18.4	+1.6	33.6	3	8.3	9	88	12	+51	32	22	214
Diamond Harbour EWS	122	22.9	14.4	18.7	+1.7	32.2	4	8.6	24	74	11	..	31	15	215
Akaroa EWS	45	23.9	14.2	19.1	+1.4	35.1	4	9.1	24	182	12	+129	80	15	189
Lake Tekapo EWS	762	22.3	8.0	15.2	+0.0	31.3	4	1.8	25	42	7	+0	20	22	252
Middlemarch EWS	213	24.7	8.2	16.5	+1.3	35.6	4	0.6	25	62	5	-8	49	21	204
Dunedin, Musselburgh	4	21.4	13.6	17.5	+2.4	30.2	3	7.8	11	34	8	-36	24	21	243
Oamaru EWS	20	21.3	11.7	16.5	+2.3	31.6	3	5.7	25	51	6	..	19	21	233
Cromwell EWS	213	26.5	11.1	18.8	+1.2	32.6	4	3.9	25	46	6	+7	36	21	255
Alexandra EWS	132	26.0	11.2	18.6	..	33.4	4	5.3	25	39	6	..	26	21	245
Gore EWS	60	23.4	9.7	16.6	..	34.1	4	1.1	24	..	..	..	..	..	208
Invercargill Aero 2 E	..	20.9	10.2	15.6	+1.7	32.0	4	2.6	24	..	..	..	..	..	..
Balclutha, Telford Ew	11	22.1	9.7	15.9	+1.9	30.4	3	3.3	25	44	9	-19	20	21	206

Late returns and corrections for January 2023

Kaitia EWS	85	23.9	17.4	20.7	+1.5	26.8	8	14.4	13	288	16	+213	75	29	137
Dargaville 2 EWS	66	25.3	16.6	21.0	+1.7	30.5	29	12.8	17	195	15	+130	35	10	113
Whangarei EWS	12	23.6	16.9	20.3	+0.7	27.3	29	13.3	18	437	21	..	72	9	132
Auckland, North Shore	64	23.3	17.3	20.3	+1.2	27.6	8	13.9	18	481	20	+414	230	27	150
Auckland, Motat EWS	16	23.6	17.4	20.5	..	27.2	8	13.2	18	480	19	..	215	27	168
Manukau Heads EWS	240	20.6	16.1	18.4	..	23.8	9	14.3	1	496	18	..	115	27	150
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	168
Rotorua EWS	288	21.7	14.0	17.9	..	28.1	21	8.4	1	250	19	..	79	27	176
Auckland, Mangere 2 E	16	23.3	16.9	20.1	..	26.4	8	13.1	18	478	19	+422	265	27	145
Firth Of Thames EWS	3	24.1	15.4	19.8	+0.9	29.3	8	10.3	23	267	18	+185	70	29	149
Hamilton, Ruakura 2 E	45	23.8	15.7	19.8	+1.1	28.2	19	11.0	23	217	17	+142	65	27	157
Waikeria EWS	37	24.6	15.0	19.8	..	29.2	19	9.6	23	184	19	+114	69	27	154
Te Kuiti EWS	61	24.9	14.4	19.7	+1.4	29.1	8	9.3	2	363	16	+279	132	28	154
Turangi 2 EWS	360	22.3	12.7	17.5	+0.7	27.8	21	5.1	1	321	13	+221	115	28	184
Masterton EWS	90	23.2	12.7	18.0	+0.2	29.6	29	8.1	1	162	13	..	36	7	151
Dannevirke EWS	207	21.7	13.5	17.6	+0.5	26.1	30	9.0	13	186	17	+105	50	27	125
Akitio EWS	245	18.9	13.8	16.4	+0.2	24.1	30	11.2	13	321	15	..	73	11	196
Martinborough EWS	20	23.2	12.9	18.1	+0.2	28.7	29	7.6	15	76	10	+31	21	5	137
Napier EWS	7	23.0	16.5	19.8	..	26.0	30	11.3	13	194	17	+135	55	28	189
Waipawa EWS	130	21.9	13.8	17.9	-0.1	28.1	20	9.7	26	174	17	+109	40	28	..
Paraparaumu Aero EWS	5	22.9	13.5	18.2	..	26.7	4	7.5	2	64	8	+13	16	29	241

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		
Palmerston North EWS	21	23.8	15.0	19.4	+1.5	29.5	29	8.9	13	94	12	+35	37	27	226
Levin EWS	23	20.9	10.2	15.6	..	25.1	11	..	..	57	10	..	32	27	244
Upper Hutt, Trentham	50	22.8	12.9	17.9	+0.8	27.9	29	6.7	14	56	10	+5	16	6	206
Stratford EWS	280	21.3	13.0	17.2	+1.0	24.6	20	8.5	1	176	12	+67	45	27	..
Takaka EWS	20	23.2	13.4	18.3	+0.9	28.8	20	8.2	1	169	14	+27	76	5	195
Westport EWS	6	23.6	16.4	20.0	..	28.2	28	10.1	23	66	13	..	16	13	260
Arapito EWS	3	24.4	14.3	19.4	+3.1	29.4	28	9.8	23	45	11	-132	22	5	231
Reefton EWS	198	26.5	13.7	20.1	+2.8	31.5	9	8.0	23	48	11	-91	19	5	241
Greymouth Aero EWS	5	24.4	15.2	19.8	+4.0	30.9	8	10.2	23	143	12	-70	47	13	272
Franz Josef EWS	80	25.2	13.0	19.1	+3.9	28.8	29	8.6	23	165	13	-248	41	5	238
Nelson Aero	2	23.4	15.1	19.3	+1.2	..	..	..	..	..	..	..	..	..	..
Appleby 2 EWS	18	23.5	12.5	18.0	+1.1	..	..	..	..	..	..	..	..	..	..
Richmond EWS	1	22.8	13.6	18.2	+0.1	27.6	20	8.4	2	58	8	..	27	5	230
Blenheim Research EWS	4	22.6	13.3	18.0	-0.1	29.7	20	7.6	1	60	7	+17	25	6	214
Cheviot EWS	75	22.4	11.4	16.9	-0.1	31.0	6	4.2	1	25	7	-12	11	7	241
Mt Cook EWS	730	22.8	10.1	16.5	+1.9	27.5	29	6.2	22	48	8	-371	13	26	..
Winchmore 2 EWS	164	21.9	11.2	16.6	..	28.6	6	6.6	1	61	8	+2	42	6	220
Waipara West EWS	130	23.5	11.4	17.5	+0.1	30.9	6	..	..	50	10	+3	42	27	231
Rangiora EWS	23	22.2	12.1	17.2	+0.5	29.5	6	6.4	2	26	5	-19	19	27	256
Bromley EWS	3	21.6	14.7	18.2	..	26.7	30	10.7	14	12	4	..	7	27	257
Lincoln, Broadfield E	18	22.3	13.3	17.8	+1.0	..	..	6.6	1	38	7	-5	27	6	247
Diamond Harbour EWS	122	21.9	13.6	17.8	+1.0	28.3	27	8.5	1	9	4	..	4	6	260
Akaroa EWS	45	23.4	13.4	18.4	+0.8	31.0	6	8.5	13	7	5	-48	3	27	249
Lake Tekapo EWS	762	23.9	8.5	16.2	+0.8	28.0	16	3.2	22	17	5	-21	11	6	295
Middlemarch EWS	213	24.3	9.0	16.7	+1.1	31.9	31	1.7	29	27	6	-63	13	6	223
Dunedin, Musselburgh	4	20.1	13.6	16.9	+1.7	25.0	30	7.7	8	24	9	-47	14	6	272
Oamaru EWS	20	20.2	12.0	16.1	+1.9	24.6	30	7.3	21	12	9	..	4	27	..
Cromwell EWS	213	28.0	11.8	19.9	+2.0	34.2	29	6.6	21	10	5	-37	8	6	310
Alexandra EWS	132	27.1	12.0	19.6	..	34.2	31	7.2	24	31	6	..	15	6	305
Gore EWS	60	23.2	10.0	16.6	..	31.2	31	1.8	28	26	6	..	9	6	269
Invercargill Aero 2 E		21.7	10.0	15.9	+1.8	27.2	26	3.5	13	27	9	-71	8	20	..
Balclutha, Telford Ew	11	21.7	10.0	15.9	+1.7	27.0	26	3.9	13	6	5	-63	4	6	243
Late returns and corrections for December 2022															
Kaitaia EWS	85	23.1	15.2	19.2	+1.5	26.1	26	10.4	5	83	13	-19	27	26	195
Dargaville 2 EWS	66	22.8	14.7	18.8	+0.9	26.6	28	11.7	5	94	10	+15	28	11	167
Whangarei EWS	12	23.9	14.3	19.1	+1.1	27.4	22	9.3	5	170	17	..	30	7	190
Auckland, North Shore	64	23.3	14.9	19.1	+1.7	26.6	27	10.0	3	106	13	+19	27	14	196
Auckland, Motat EWS	16	23.6	15.6	19.6	..	26.4	22	9.8	6	89	14	..	34	10	242
Manukau Heads EWS	240	20.3	15.0	17.7	..	23.8	28	11.8	1	57	13	..	17	14	229
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	227
Rotorua EWS	288	22.3	12.8	17.6	..	29.6	30	7.9	4	152	15	..	66	20	248
Auckland, Mangere 2 E	16	23.3	16.1	19.7	..	26.2	28	10.7	6	97	14	+25	21	11	225
Firth Of Thames EWS	3	24.2	14.2	19.2	+1.7	27.9	27	8.6	3	89	12	+22	40	14	212
Hamilton, Ruakura 2 E	45	24.1	14.2	19.2	+2.0	27.7	27	7.8	4	115	14	+16	25	20	234
Waikeria EWS	37	24.4	13.2	18.8	..	28.4	30	5.9	4	112	11	+19	32	17	221
Te Kuiti EWS	61	24.7	12.4	18.6	+1.6	29.6	27	5.8	4	117	11	-12	25	11	204
Turangi 2 EWS	360	22.4	10.6	16.5	+1.1	29.8	30	2.4	4	219	15	+88	38	10	..
Masterton EWS	90	23.0	11.1	17.1	+1.1	29.3	29	4.6	4	..	..	..	..	..	210
Dannevirke EWS	207	21.1	12.5	16.8	+1.1	27.0	16	5.7	4	91	15	+12	34	10	176
Akitio EWS	245	18.9	12.6	15.8	+1.0	24.5	29	7.2	4	86	14	..	23	17	196
Martinborough EWS	20	22.3	12.4	17.4	+1.0	28.2	13	5.1	4	109	12	+50	42	20	168
Napier EWS	7	22.5	14.9	18.7	..	28.0	30	7.2	4	67	13	+11	14	24	212
Waipawa EWS	130	22.2	12.0	17.1	+0.8	27.3	16	4.5	4	88	13	+27	30	17	147
Paraparaumu Aero	5	21.6	13.5	17.6	+1.5	25.7	27	5.7	8	76	11	-13	32	17	253
Paraparaumu Aero EWS	5	21.8	13.9	17.9	..	25.9	27	6.3	8	68	9	-16	30	17	263
Palmerston North EWS	21	22.4	13.5	18.0	+1.5	27.7	16	7.1	4	89	10	-1	43	23	..
Levin EWS	23	21.0	11.4	16.2	..	25.4	13	5.7	4	69	9	..	34	17	252
Porirua, Elsdon Park	7	21.1	14.1	17.6	..	26.5	26	8.2	4	104	11	..	49	9	..
Upper Hutt, Trentham	50	21.7	13.0	17.4	+1.8	27.1	13	5.8	8	77	12	-26	32	17	227
Stratford EWS	280	21.1	11.4	16.3	+1.5	26.0	13	5.3	4	161	17	+7	42	17	218
Takaka EWS	20	22.4	11.8	17.1	+1.0	30.2	29	8.1	2	97	14	-94	30	9	253
Westport EWS	6	20.9	15.1	18.0	..	23.7	29	6.6	3	84	15	..	23	15	284

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 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		mm	mm	mm	mm			
Arapito EWS	3	22.5	12.5	17.5	+2.3	26.4	29	7.9	1	52	15	-159	14	18	..
Reefton EWS	198	23.5	11.3	17.4	+1.5	29.2	27	5.3	3	92	11	-70	28	18	242
Greymouth Aero EWS	5	21.1	12.9	17.0	+2.4	25.6	21	7.3	3	93	12	-140	27	11	263
Franz Josef EWS	80	21.4	10.5	16.0	+1.9	26.9	26	6.5	3	198	18	-239	49	9	199
Appleby 2 EWS	18	22.1	10.7	16.4	+0.7	26.7	30	5.8	8	37	12	-51	14	14	265
Richmond EWS	1	21.3	12.0	16.7	+0.1	26.5	30	7.4	4	36	12	..	11	14	289
Blenheim Research EWS	4	21.4	11.8	16.6	-0.2	30.7	29	3.3	10	50	11	+0	14	9	236
Cheviot EWS	75	20.7	10.5	15.6	+0.2	31.9	29	6.6	4	63	11	+18	22	18	222
Mt Cook EWS	730	19.1	8.6	13.9	+1.1	26.1	28	2.3	2	77	14	-349	37	9	175
Winchmore 2 EWS	164	20.2	10.5	15.4	..	31.2	29	6.8	31	56	14	-7	17	18	197
Waipara West EWS	130	21.2	10.5	15.9	+0.0	31.1	29	6.5	22	65	9	+13	25	18	197
Rangiora EWS	23	20.6	11.7	16.2	+0.9	27.4	10	7.4	31	69	9	+22	40	18	214
Bromley EWS	3	19.8	13.0	16.4	..	26.8	10	7.4	31	41	10	..	19	18	240
Lincoln, Broadfield E	18	20.8	12.0	16.4	+0.9	30.1	29	5.5	31	41	10	-8	10	18	234
Diamond Harbour EWS	122	20.0	11.9	16.0	+0.7	27.9	29	7.3	31	32	11	..	12	17	262
Akaroa EWS	45	21.3	12.0	16.7	+0.5	31.0	29	7.5	31	16	10	-45	6	1	239
Lake Tekapo EWS	762	20.3	7.3	13.8	+0.4	28.3	29	1.9	31	28	7	-13	16	19	243
Middlemarch EWS	213	21.1	7.8	14.5	+0.2	30.0	28	2.8	3	45	16	-32	10	17	175
Dunedin, Musselburgh	4	17.9	11.4	14.7	+0.7	25.6	29	6.9	3	30	15	-41	10	10	188
Oamaru EWS	20	19.5	10.4	15.0	+1.5	25.8	29	3.2	1	25	11	..	7	18	180
Cromwell EWS	213	24.8	9.7	17.3	+0.9	32.2	28	3.7	1	29	10	-16	12	22	249
Alexandra EWS	132	24.0	10.3	17.2	..	33.4	28	3.0	3	16	11	..	4	23	236
Gore EWS	60	20.0	9.4	14.7	..	28.7	28	4.4	7	101	19	..	31	22	180
Invercargill Aero 2 E		19.2	9.5	14.4	+1.3	27.8	13	4.1	7	43	15	-40	11	16	..
Balclutha, Telford Ew	11	18.9	9.5	14.2	+1.0	29.8	29	5.4	3	22	12	-23	8	16	152
Late returns and corrections for November 2022															
Kaitaia EWS	85	21.0	14.3	17.7	+2.1	23.8	15	11.0	29	164	18	+88	39	22	171
Dargaville 2 EWS	66	21.1	13.6	17.4	+1.7	26.1	11	10.1	23	172	21	+107	36	8	123
Whangarei EWS	12	22.1	13.1	17.6	+1.6	26.1	30	8.6	6	327	23	..	130	10	155
Auckland, North Shore	64	21.4	13.3	17.4	+2.0	24.6	12	8.5	6	201	18	+130	29	10	178
Auckland, Motat EWS	16	21.6	13.8	17.7	..	24.4	12	8.7	6	170	15	..	24	10	197
Manukau Heads EWS	240	18.4	13.3	15.9	..	21.5	2	10.6	25	198	20	..	41	18	183
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	217
Rotorua EWS	288	19.9	10.7	15.3	..	23.1	12	6.6	29	200	21	..	32	17	208
Auckland, Mangere 2 E	16	21.3	14.0	17.7	..	24.2	16	10.0	6	153	18	+96	25	17	173
Firth Of Thames EWS	3	21.8	12.3	17.1	+1.9	24.3	14	7.0	6	122	18	+57	26	22	162
Hamilton, Ruakura 2 E	45	21.7	11.7	16.7	+1.9	25.1	2	8.2	2	208	20	+129	41	22	180
Waikeria EWS	37	21.9	11.3	16.6	..	25.8	2	6.7	2	184	20	+104	43	20	174
Te Kuiti EWS	61	21.8	11.0	16.4	+1.9	25.6	15	5.7	2	281	22	+166	52	22	165
Turangi 2 EWS	360	20.1	9.8	15.0	+2.1	23.9	12	2.9	2	249	22	+133	69	22	184
Masterton EWS	90	22.0	10.4	16.2	+2.6	28.0	16	4.2	8	..	..	..	..	..	219
Dannevirke EWS	207	20.6	11.6	16.1	+2.7	24.7	2	8.0	8	99	17	+8	34	17	163
Akitio EWS	245	18.2	11.5	14.9	+2.1	23.0	16	7.8	25	147	15	..	30	17	223
Martinborough EWS	20	21.5	11.8	16.7	+2.8	26.8	15	4.9	9	76	13	+10	34	17	182
Napier EWS	7	22.8	14.4	18.6	..	29.4	2	11.1	25	78	15	+21	20	11	244
Waipawa EWS	130	22.8	9.8	16.3	+2.4	29.5	2	5.1	5	62	14	+6	14	11	184
Paraparaumu Aero EWS	5	19.7	12.5	16.1	..	23.3	14	5.1	11	171	17	+99	44	18	246
Palmerston North EWS	21	21.2	12.3	16.8	+2.8	24.7	16	7.1	2	110	16	+24	25	22	180
Levin EWS	23	18.8	10.1	14.5	..	24.2	18	4.2	6	129	17	..	35	18	235
Porirua, Elsdon Park	7	19.3	12.8	16.1	..	23.9	18	7.2	9	245	16	..	66	26	..
Upper Hutt, Trentham	50	20.0	11.5	15.8	+2.5	25.0	15	4.7	7	167	18	+35	33	18	232
Stratford EWS	280	19.4	9.7	14.6	+2.1	24.8	15	4.9	29	277	22	+135	52	19	..
Takaka EWS	20	20.8	9.7	15.3	+1.5	24.2	7	5.8	5	239	13	+95	49	2	251
Westport EWS	6	18.0	11.0	14.5	..	22.8	10	6.4	28	248	20	..	95	2	229
Arapito EWS	3	19.4	9.8	14.6	+1.6	23.5	17	6.1	11	211	20	+21	34	2	195
Reefton EWS	198	20.2	9.4	14.8	+1.4	26.5	15	4.9	28	214	20	+64	53	2	178
Greymouth Aero EWS	5	18.8	10.9	14.9	+2.3	25.1	18	7.2	6	355	20	+165	100	2	199
Franz Josef EWS	80	18.5	9.5	14.0	+2.2	23.1	18	5.2	25	497	19	+171	163	2	151
Appleby 2 EWS	18	20.5	9.4	15.0	+1.7	24.0	10	2.4	11	100	15	+32	19	17	239
Richmond EWS	1	19.4	10.3	14.9	+0.6	22.7	3	5.7	8	90	15	..	15	19	254
Blenheim Research EWS	4	21.3	11.7	16.5	+1.8	27.8	15	6.4	25	73	15	+24	27	18	259
Mt Cook EWS	730	17.0	6.9	12.0	+1.4	23.0	12	1.9	28	557	16	+189	244	2	165

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		
Winchmore 2 EWS	164	19.4	8.7	14.1	..	25.4	2	3.1	28	85	11	+24	23	19	214
Waipara West EWS	130	20.9	9.8	15.4	+1.6	27.6	12	2.1	11	122	13	+69	38	18	200
Rangiora EWS	23	20.4	10.3	15.4	+2.5	27.4	2	4.3	11	104	9	+58	38	18	224
Bromley EWS	3	19.7	11.8	15.8	..	26.9	2	7.6	1	87	9	..	35	18	232
Lincoln, Broadfield E	18	19.9	10.7	15.3	+2.0	28.4	2	5.2	25	64	10	+18	24	18	215
Diamond Harbour EWS	122	18.5	10.9	14.7	+1.8	..	..	..	..	71	10	..	29	18	231
Akaroa EWS	45	20.8	10.9	15.9	+2.0	27.0	2	6.3	25	87	11	+19	42	18	226
Lake Tekapo EWS	762	18.0	6.2	12.1	+1.2	24.9	15	0.2	28	91	14	+49	32	2	222
Middlemarch EWS	213	20.4	7.0	13.7	+1.8	28.7	15	-1.1	11	23	12	-52	10	26	199
Dunedin, Musselburgh	4	17.2	10.2	13.7	+1.4	23.0	2	6.5	10	27	16	-36	8	19	208
Oamaru EWS	20	18.7	9.3	14.0	+2.4	28.2	2	4.0	28	50	13	..	21	19	187
Cromwell EWS	213	21.6	8.2	14.9	+1.0	27.9	11	2.9	28	46	14	+9	16	17	212
Alexandra EWS	132	21.6	9.2	15.4	..	27.5	11	5.3	28	45	12	..	15	20	217
Gore EWS	60	18.5	7.8	13.2	..	25.0	11	-0.1	27	88	13	..	33	2	203
Invercargill Aero 2 E		17.4	7.7	12.6	+1.5	..	..	..	..	..	..	..	..	..	..
Balclutha, Telford Ew	11	17.6	7.5	12.6	+1.2	23.0	2	1.7	27	54	13	+1	20	2	152
Late returns and corrections for October 2022															
Kaitaia EWS	85	18.9	12.0	15.5	+1.3	22.1	28	7.9	24	94	15	+4	35	29	156
Dargaville 2 EWS	66	19.0	11.3	15.2	+0.9	23.7	29	5.4	8	83	14	+6	22	17	96
Whangarei EWS	12	19.4	10.1	14.8	+0.5	24.1	29	3.2	8	127	20	..	48	29	165
Auckland, North Shore	64	18.8	10.9	14.9	+1.1	23.0	31	2.4	7	131	14	+42	47	29	173
Auckland, Motat EWS	16	19.0	11.2	15.1	..	22.9	31	1.8	7	99	11	..	41	29	206
Manukau Heads EWS	240	16.3	11.4	13.9	..	20.6	29	6.0	7	81	15	..	28	1	176
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	222
Rotorua EWS	288	17.2	8.1	12.7	..	21.8	24	-2.6	7	198	11	..	63	1	198
Auckland, Mangere 2 E	16	18.7	11.7	15.2	..	22.7	31	2.5	7	109	15	+27	38	29	175
Firth Of Thames EWS	3	19.1	9.1	14.1	+0.5	23.1	31	-2.1	7	102	13	+30	39	30	158
Hamilton, Ruakura 2 E	45	18.9	8.9	13.9	+0.8	23.3	31	-2.0	7	147	12	+61	36	1	174
Awakino EWS	400	14.8	8.1	11.5	..	19.4	29	2.9	7	165	17	+15	59	2	148
Waikeria EWS	37	19.1	8.2	13.7	..	23.6	29	-2.8	7	107	12	+14	33	29	159
Te Kuiti EWS	61	19.1	8.0	13.6	+0.6	24.0	31	-2.5	7	101	15	-33	34	1	161
Turangi 2 EWS	360	16.9	6.3	11.6	+0.4	22.0	23	-4.4	7	147	17	+13	66	1	167
Masterton EWS	90	17.4	5.6	11.5	-0.3	24.4	23	-1.7	22	60	10	..	22	1	185
Dannevirke EWS	207	16.2	7.6	11.9	+0.3	25.1	29	-1.3	22	68	18	-33	24	1	155
Akitio EWS	245	14.6	7.9	11.3	+0.1	23.9	29	0.6	7	87	12	..	41	1	220
Martinborough EWS	20	16.9	7.5	12.2	+0.0	24.1	31	-0.3	8	43	10	-27	14	5	159
Napier EWS	7	18.8	9.3	14.1	..	27.6	29	1.8	8	..	..	..	..	..	..
Waipawa EWS	130	18.8	5.4	12.1	+0.0	30.5	29	-1.5	8	53	11	-14	25	1	176
Paraparaumu Aero EWS	5	16.4	8.8	12.6	..	21.0	31	0.5	8	44	10	-55	16	29	199
Palmerston North EWS	21	17.1	8.5	12.8	+0.3	25.5	29	0.4	8	55	12	-41	11	1	125
Levin EWS	23	15.2	6.5	10.9	..	20.5	31	-1.9	22	42	12	..	12	29	195
Upper Hutt, Trentham	50	16.0	6.8	11.4	-0.2	22.2	31	-1.5	8	70	12	-31	24	29	196
Stratford EWS	280	15.9	6.6	11.3	+0.2	19.2	23	-0.5	6	133	17	-70	43	29	179
Takaka EWS	20	18.5	6.3	12.4	+0.3	23.8	23	0.3	7	122	9	-88	69	28	236
Westport EWS	6	15.4	8.7	12.1	..	19.5	30	-0.6	6	192	18	..	52	28	219
Arapito EWS	3	16.8	7.9	12.4	+0.7	20.9	30	-0.3	6	100	17	-139	18	28	178
Reefton EWS	198	17.2	6.4	11.8	+0.4	20.7	31	-2.9	7	105	15	-77	33	28	183
Greymouth Aero EWS	5	16.5	8.2	12.4	+1.1	20.2	2	-1.8	6	216	18	-11	33	25	201
Franz Josef EWS	80	15.9	6.3	11.1	+0.6	19.0	2	-2.1	6	351	15	-22	95	28	176
Appleby 2 EWS	18	17.0	6.2	11.6	-0.2	20.9	11	-1.8	7	13	7	-67	5	1	225
Richmond EWS	1	16.7	7.3	12.0	-0.7	20.7	11	-0.7	7	14	7	..	4	1	235
Blenheim Research EWS	4	18.0	7.8	12.9	-0.2	24.8	23	0.2	7	17	6	-40	6	1	249
Mt Cook EWS	730	14.5	3.8	9.2	+0.6	20.6	22	-5.1	6	237	12	-157	65	28	191
Winchmore 2 EWS	164	16.7	3.8	10.3	..	27.3	23	-1.5	1	29	7	-29	12	27	230
Waipara West EWS	130	17.7	6.1	11.9	+0.0	26.6	29	0.8	6	20	8	-36	8	5	212
Rangiora EWS	23	17.2	5.3	11.3	+0.1	26.6	29	-0.2	9	28	8	-28	11	27	224
Bromley EWS	3	16.1	7.1	11.6	..	26.2	30	0.6	6	18	9	..	6	27	245
Lincoln, Broadfield E	18	17.0	5.8	11.4	-0.2	27.0	23	-1.3	1	35	10	-12	8	5	223
Diamond Harbour EWS	122	15.3	6.8	11.1	-0.3	23.6	23	-0.4	6	25	9	..	7	5	233
Akaroa EWS	45	17.7	6.5	12.1	-0.3	28.8	23	-2.3	6	53	9	-18	18	6	204
Lake Tekapo EWS	762	15.9	1.5	8.7	-0.3	25.1	23	-5.0	6	20	10	-25	4	27	258
Middlemarch EWS	213	17.0	2.3	9.7	-0.4	26.3	23	-5.3	4	58	13	-16	19	27	217

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		
Dunedin, Musselburgh	4	14.7	6.3	10.5	-0.5	23.3	29	0.2	6	58	15	-2	13	27	226
Oamaru EWS	20	16.1	4.8	10.5	+0.6	25.2	29	-0.4	6	38	10	..	16	27	231
Cromwell EWS	213	18.8	4.5	11.7	+0.0	23.5	22	-1.2	6	42	5	+8	12	24	266
Alexandra EWS	132	18.5	4.1	11.3	..	24.8	23	-2.3	7	46	8	..	16	27	248
Gore EWS	60	15.4	3.8	9.6	..	23.6	29	-2.8	25	86	19	..	18	4	212
Invercargill Aero 2 E		14.9	3.9	9.4	-0.4	23.7	29	-2.8	1	..	..	..	..	..	..
Balclutha, Telford Ew	11	14.9	3.9	9.4	-0.6	23.3	29	-2.5	1	71	15	+9	16	29	173
Late returns and corrections for September 2022															
Kaitaia EWS	85	17.7	10.4	14.1	+1.0	20.4	29	5.3	18	143	19	+21	32	5	142
Dargaville 2 EWS	66	17.5	9.4	13.5	+0.4	22.2	29	3.9	15	76	17	-22	14	5	..
Whangarei EWS	12	18.3	8.2	13.3	+0.4	21.8	29	2.3	2	84	14	..	27	5	..
Auckland, North Shore	64	17.6	8.9	13.3	+0.7	20.8	21	2.5	7	132	14	+26	41	5	173
Auckland, Motat EWS	16	17.8	8.9	13.4	..	21.2	25	1.8	7	137	12	..	46	5	187
Manukau Heads EWS	240	15.1	10.1	12.6	..	17.9	20	6.5	7	126	19	..	48	5	191
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	189
Rotorua EWS	288	15.0	6.1	10.6	..	18.6	24	-2.6	7	257	18	..	56	30	160
Auckland, Mangere 2 E	16	17.4	9.6	13.5	..	21.4	25	2.5	7	105	14	-4	48	5	169
Firth Of Thames EWS	3	17.3	6.9	12.1	-0.1	21.8	25	-1.0	7	154	15	+54	54	5	..
Hamilton, Ruakura 2 E	45	16.3	6.6	11.5	-0.1	20.3	25	-0.9	7	138	15	+38	49	5	157
Awakino EWS	400	13.0	6.2	9.6	..	18.9	25	0.9	6	227	19	+103	67	19	29
Waikeria EWS	37	16.8	6.3	11.6	..	21.0	25	-1.5	7	140	14	+39	34	30	144
Te Kuiti EWS	61	16.8	5.6	11.2	-0.2	21.6	25	-0.6	7	174	16	+37	38	19	..
Turangi 2 EWS	360	14.6	4.9	9.8	+0.7	18.8	23	-2.3	1	222	18	+85	58	19	140
Masterton EWS	90	15.6	5.1	10.4	+0.4	20.2	28	-2.2	16	137	19	..	39	10	150
Dannevirke EWS	207	15.1	7.1	11.1	+1.1	..	..	-1.5	7	146	21	+55	27	22	129
Akitio EWS	245	12.9	7.4	10.2	+0.4	17.9	20	0.7	7	212	20	..	41	10	143
Martinborough EWS	20	15.2	6.8	11.0	+0.4	19.8	19	-1.7	7	89	17	+29	24	10	119
Napier EWS	7	17.2	8.5	12.9	..	22.7	20	-0.6	7	127	13	+69	38	22	..
Waipawa EWS	130	16.1	5.4	10.8	+0.5	..	..	-3.2	7	..	..	..	..	..	..
Paraparaumu Aero EWS	5	15.3	7.7	11.5	..	18.1	12	1.7	7	69	16	-11	38	29	162
Palmerston North EWS	21	16.0	7.6	11.8	+0.8	19.6	11	1.4	7	72	21	-17	15	3	115
Levin EWS	23	14.4	5.8	10.1	..	..	..	..	..	71	19	..	14	29	172
Porirua, Elsdon Park	7	14.8	7.8	11.3	..	17.5	10	0.8	15	88	20	..	46	29	148
Upper Hutt, Trentham	50	14.7	6.3	10.5	+0.5	18.4	26	-2.3	7	111	21	-13	46	29	135
Stratford EWS	280	14.2	6.0	10.1	+0.3	17.0	20	-0.6	15	192	20	+2	33	3	129
Takaka EWS	20	16.5	5.3	10.9	+0.7	20.5	24	-1.7	7	182	15	+1	56	28	175
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	+0.9	18.7	23	0.3	6	237	14	+25	54	29	157
Reefton EWS	198	15.6	4.9	10.3	+0.7	20.8	26	-2.8	15	89	14	-88	18	2	163
Greymouth Aero EWS	5	15.3	7.2	11.3	+1.1	19.7	23	2.0	7	134	14	-68	41	28	167
Franz Josef EWS	80	14.8	5.1	10.0	+0.9	19.6	23	-0.7	6	438	14	+48	138	1	151
Nelson Aero	2	15.3	6.9	11.1	+0.4	18.0	3	0.0	7	93	16	+8	36	29	159
Appleby 2 EWS	18	15.3	4.4	9.9	+0.0	18.4	3	-3.1	7	78	14	+0	31	29	177
Richmond EWS	1	15.4	6.0	10.7	+0.2	18.7	3	-2.2	7	74	13	..	35	29	185
Blenheim Research EWS	4	16.1	7.1	11.6	+0.4	20.8	1	-1.5	7	39	14	-15	16	29	196
Cheviot EWS	75	14.8	4.0	9.4	-0.1	22.6	19	-4.1	15	52	15	+1	17	21	..
Mt Cook EWS	730	12.1	1.9	7.0	+0.4	17.4	24	-5.9	6	208	14	-153	47	28	140
Winchmore 2 EWS	164	14.7	3.2	9.0	..	21.4	29	-2.6	6	28	6	-24	14	13	180
Waipara West EWS	130	15.1	5.1	10.1	-0.2	21.4	27	-1.2	15	31	9	-21	10	21	160
Rangiora EWS	23	15.5	4.9	10.2	+0.7	23.5	19	-3.4	7	18	8	-16	9	13	157
Bromley EWS	3	14.5	6.7	10.6	..	22.8	29	-1.6	7	21	6	..	12	13	188
Lincoln, Broadfield E	18	15.1	5.5	10.3	+0.6	23.3	29	-1.4	7	24	8	-15	14	13	164
Diamond Harbour EWS	122	13.7	6.6	10.2	+0.4	21.7	29	0.2	7	21	5	..	14	13	185
Akaroa EWS	45	16.0	6.4	11.2	+0.3	24.2	29	1.0	7	30	10	-45	17	13	162
Lake Tekapo EWS	762	12.9	0.5	6.7	+0.0	19.1	27	-7.1	6	19	8	-15	7	28	201
Middlemarch EWS	213	15.3	1.7	8.5	+0.1	..	..	..	..	8	6	-38	3	12	165
Dunedin, Musselburgh	4	13.3	6.1	9.7	+0.2	18.7	19	0.6	15	35	14	-12	8	12	174
Oamaru EWS	20	14.2	4.6	9.4	+1.1	20.5	19	-1.0	6	17	5	..	7	13	162
Cromwell EWS	213	16.3	2.3	9.3	+0.0	..	..	-3.7	6	5	5	-22	2	7	214
Alexandra EWS	132	16.2	2.7	9.5	..	21.8	27	-3.9	6	10	7	..	4	20	..
Gore EWS	60	13.8	3.8	8.8	..	20.2	28	-2.7	6	40	13	..	11	4	160
Invercargill Aero 2 E		13.4	4.2	8.8	+0.4	..	..	..	..	..	..	..	..	..	..

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	Difference From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Difference From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C		°C		mm		mm	mm		Hrs	
Balclutha, Telford Ew	11	13.0	3.6	8.3	+0.1	18.2	28	-1.0	18	34	17	-11	5	4	118
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	+104	73	17	141
Dargaville 2 EWS	66	16.9	9.0	13.0	+1.2	21.2	20	3.5	12	89	13	-26	22	9	152
Whangarei EWS	12	17.6	8.3	13.0	+1.3	23.0	20	0.7	12	74	16	..	18	17	138
Auckland, North Shore	64	16.8	8.7	12.8	+1.6	21.2	20	2.8	12	149	17	+23	40	7	145
Auckland, Motat EWS	16	16.9	8.7	12.8	..	20.9	20	2.4	2	142	18	..	29	7	161
Manukau Heads EWS	240	14.7	10.0	12.4	..	17.5	20	5.5	12	158	17	..	36	18	172
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	198
Rotorua EWS	288	14.2	5.0	9.6	..	17.4	21	-1.8	13	119	13	..	25	25	169
Auckland, Mangere 2 E	16	16.7	9.4	13.1	..	21.2	20	3.9	12	142	19	+25	31	18	150
Firth Of Thames EWS	3	16.5	6.3	11.4	+0.9	18.8	16	-1.3	14	93	15	-32	34	22	148
Hamilton, Ruakura 2 E	45	15.7	6.0	10.9	+1.1	19.6	20	-2.3	14	99	13	-8	33	25	141
Awakino EWS	400	12.5	6.1	9.3	..	15.2	19	0.6	12	230	16	+69	92	18	66
Waikeria EWS	37	16.0	5.2	10.6	..	18.8	19	-3.2	14	106	11	-4	25	25	143
Te Kuiti EWS	61	15.7	5.2	10.5	+0.9	19.4	21	-2.5	14	206	15	+67	65	18	123
Turangi 2 EWS	360	13.8	3.1	8.5	+1.2	16.5	21	-5.5	14	174	16	+19	34	18	149
Masterton EWS	90	15.4	4.4	9.9	+1.9	21.4	19	-3.0	14	88	18	..	45	8	123
Dannevirke EWS	207	14.3	5.9	10.1	+1.8	20.5	19	-1.6	14	143	18	+65	52	8	112
Akitio EWS	245	13.0	7.1	10.1	+1.3	19.5	20	1.4	13	143	15	..	36	8	138
Martinborough EWS	20	15.1	6.6	10.9	+2.0	20.4	18	-1.4	14	66	11	-5	30	7	90
Napier EWS	7	16.1	6.6	11.4	..	22.4	20	-1.3	14	64	13	+3	18	26	154
Waipawa EWS	130	16.0	3.6	9.8	+1.4	23.8	20	-3.8	14	..	..	..	..	..	..
Paraparaumu Aero EWS	5	14.8	8.0	11.4	..	19.0	19	-2.4	13	180	15	+93	56	18	114
Palmerston North EWS	21	15.2	6.5	10.9	+1.4	20.3	18	-1.1	13	105	15	+22	36	22	114
Levin EWS	23	13.9	5.5	9.7	..	17.3	18	-2.3	12	128	15	..	30	18	129
Porirua, Elsdon Park	7	14.3	8.2	11.3	..	18.8	19	-1.2	13	199	23	..	53	18	120
Upper Hutt, Trentham	50	14.2	6.6	10.4	+2.1	19.2	19	-3.0	1	188	21	+78	34	18	104
Stratford EWS	280	13.5	5.3	9.4	+0.8	16.9	19	-1.4	14	397	15	+197	148	18	114
Takaka EWS	20	15.2	4.8	10.0	+1.4	19.3	3	-2.0	11	689	13	+503	173	17	146
Westport EWS	6	13.9	7.0	10.5	..	18.0	26	1.2	13	280	21	..	55	17	116
Arapito EWS	3	15.5	6.8	11.2	+2.2	19.3	18	1.4	13	261	18	+75	53	19	119
Reefton EWS	198	14.0	3.8	8.9	+1.5	17.8	26	-4.1	11	262	17	+83	56	19	120
Greymouth Aero EWS	5	14.5	6.5	10.5	+1.5	19.0	18	1.3	13	283	18	+79	51	19	108
Franz Josef EWS	80	13.9	5.0	9.5	+1.7	18.6	26	-0.9	11	632	21	+348	146	16	106
Appleby 2 EWS	18	14.1	3.4	8.8	+0.7	17.0	3	-4.0	11	192	13	+114	80	19	149
Richmond EWS	1	14.0	4.8	9.4	+0.8	17.4	20	-1.7	11	272	13	..	110	19	160
Blenheim Research EWS	4	14.9	5.5	10.2	+1.0	..	..	..	..	112	11	+54	31	19	157
Cheviot EWS	75	14.5	2.8	8.7	+1.2	22.2	6	-3.4	12	62	12	+0	23	7	..
Mt Cook EWS	730	10.3	0.7	5.5	+1.4	17.3	23	-5.0	10	549	20	+265	133	5	111
Winchmore 2 EWS	164	12.9	2.6	7.8	..	19.3	5	-4.4	12	61	13	+2	17	7	160
Waipara West EWS	130	14.9	4.2	9.6	+1.2	23.0	17	-1.6	12	49	11	-6	13	8	164
Rangiora EWS	23	14.5	4.0	9.3	+1.8	21.5	18	-2.6	12	37	9	-12	9	25	142
Bromley EWS	3	13.6	5.2	9.4	..	20.2	2	-1.6	12	19	11	..	7	6	163
Lincoln, Broadfield E	18	13.7	4.3	9.0	+1.3	20.6	24	-2.7	10	36	11	-19	13	7	151
Diamond Harbour EWS	122	13.1	5.5	9.3	+1.1	18.3	2	-1.8	10	17	11	..	4	17	157
Akaroa EWS	45	15.0	5.4	10.2	+1.1	20.6	24	-0.4	10	45	12	-65	23	7	..
Lake Tekapo EWS	762	10.4	-0.2	5.1	+1.3	17.8	5	-6.7	9	114	14	+76	46	5	162
Middlemarch EWS	213	13.4	0.8	7.1	+1.4	..	..	-7.3	10	30	12	-23	14	7	150
Dunedin, Musselburgh	4	12.9	5.4	9.2	+1.4	20.2	5	-1.7	10	18	11	-37	9	7	167
Oamaru EWS	20	13.1	3.6	8.4	+1.9	18.6	3	-2.5	10	23	11	..	15	7	169
Cromwell EWS	213	13.3	0.4	6.9	+0.7	20.6	5	-6.3	10	65	11	+39	14	7	175
Alexandra EWS	132	13.3	0.0	6.7	..	20.6	5	-5.5	12	41	9	..	12	19	195
Gore EWS	60	12.7	1.9	7.3	..	18.2	5	-4.5	14	41	13	..	10	18	161
Invercargill Aero 2 E		12.6	1.6	7.1	+0.6	18.1	5	-6.4	10	56	14	-7	13	16	165
Balclutha, Telford Ew	11	12.4	1.6	7.0	+0.8	18.0	16	-5.1	10	22	12	-10	5	7	137

Late returns and corrections for July 2022

Kaitaia EWS	85	16.7	11.4	14.1	+2.1	19.8	11	5.4	3	301	26	+133	59	11	105
Dargaville 2 EWS	66	16.3	10.1	13.2	+1.7	20.5	8	3.9	18	208	22	+60	44	11	113
Whangarei EWS	12	17.2	9.0	13.1	+1.8	20.4	9	3.0	18	312	25	..	63	19	119
Auckland, North Shore	64	16.4	9.5	13.0	+2.4	19.9	8	3.8	18	271	22	+126	59	11	..

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 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			
Auckland, Motat EWS	16	16.7	9.5	13.1	..	20.3	8	3.5	18	275	23	..	65	11	116
Manukau Heads EWS	240	14.5	10.2	12.4	..	19.2	8	6.1	23	358	22	..	87	11	120
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	134
Rotorua EWS	288	13.6	5.8	9.7	..	16.4	8	-0.1	18	264	22	..	45	25	119
Auckland, Mangere 2 E	16	16.3	10.1	13.2	..	19.2	8	4.2	17	257	22	+118	56	11	124
Firth Of Thames EWS	3	16.1	7.9	12.0	+2.4	18.7	9	0.3	18	200	22	+88	33	5	121
Hamilton, Ruakura 2 E	45	15.1	6.6	10.9	+1.9	19.0	8	..	..	207	22	+83	30	5	..
Awakino EWS	400	11.8	6.1	9.0	..	15.6	8	1.1	23	313	24	+121	38	12	50
Waikeria EWS	37	15.3	6.1	10.7	..	18.1	8	-1.1	23	191	21	+69	25	5	104
Te Kuiti EWS	61	15.0	5.5	10.3	+1.7	17.8	26	-1.0	23	305	21	+131	37	7	96
Turangi 2 EWS	360	13.2	4.4	8.8	+2.2	16.8	26	-3.6	23	279	21	+125	44	8	114
Masterton EWS	90	13.5	3.5	8.5	+1.3	18.1	19	-3.5	7	179	18	..	35	11	103
Dannevirke EWS	207	13.1	5.9	9.5	+2.0	17.9	19	-2.6	17	142	20	+42	33	9	103
Akitio EWS	245	11.9	6.7	9.3	+0.9	15.7	8	0.7	17	193	18	..	46	11	126
Martinborough EWS	20	13.5	5.0	9.3	+1.2	18.2	8	-2.4	7	196	18	+109	42	20	70
Napier EWS	7	15.4	6.6	11.0	..	20.2	13	-0.4	17	99	18	-6	30	11	139
Waipawa EWS	130	14.6	3.3	9.0	+1.4	19.0	13	-3.4	7	97	16	-4	32	11	115
Paraparaumu Aero	5	14.1	7.0	10.6	+1.6	19.1	26	0.2	7	181	21	+77	20	25	104
Paraparaumu Aero EWS	5	14.3	7.0	10.7	..	19.5	26	0.4	17	183	22	+88	30	20	108
Palmerston North EWS	21	14.3	6.5	10.4	+1.6	19.6	26	-1.4	17	209	22	+122	32	12	83
Levin EWS	23	14.1	5.9	10.0	..	19.3	26	-1.5	17	204	23	..	41	20	123
Porirua, Elsdon Park	7	13.8	6.4	10.1	..	19.2	26	-0.3	17	232	25	..	33	20	..
Upper Hutt, Trentham	50	13.2	5.0	9.1	+1.6	18.7	26	-3.1	7	237	24	+106	40	21	93
Stratford EWS	280	13.3	5.8	9.6	+1.7	16.4	8	-0.3	17	355	22	+155	45	26	88
Takaka EWS	20	14.2	3.8	9.0	+1.1	17.8	27	-0.6	2	365	15	+187	73	30	122
Arapito EWS	3	13.8	5.6	9.7	+1.5	19.4	26	1.7	16	248	20	+65	38	12	98
Reefton EWS	198	11.2	3.2	7.2	+1.8	14.2	26	-3.1	22	210	21	+48	49	30	74
Greymouth Aero EWS	5	12.8	5.7	9.3	+1.3	15.7	26	1.1	16	346	25	+149	53	18	81
Appleby 2 EWS	18	13.0	3.1	8.1	+1.2	16.8	13	-3.1	23	237	17	+164	52	30	122
Richmond EWS	1	13.3	4.4	8.9	+1.6	17.3	13	-1.7	17	224	16	..	47	30	135
Blenheim Research EWS	4	13.3	4.4	8.9	+0.8	18.0	9	-0.1	17	221	14	+157	52	30	117
Cheviot EWS	75	11.6	1.2	6.4	-0.2	19.3	19	-4.5	7	194	16	+127	40	25	102
Mt Cook EWS	730	6.0	-1.4	2.3	-0.2	13.7	4	-5.3	16	725	19	+436	371	18	75
Winchmore 2 EWS	164	9.7	1.1	5.4	..	15.6	18	-3.5	11	193	15	+129	39	12	114
Waipara West EWS	130	12.0	3.2	7.6	+0.3	19.0	19	-1.6	17	177	13	+120	37	25	91
Rangiora EWS	23	11.7	2.7	7.2	+1.1	20.4	18	-3.9	17	238	13	+184	51	12	101
Bromley EWS	3	11.4	4.0	7.7	..	19.7	18	-1.0	11	213	17	..	45	12	113
Lincoln, Broadfield E	18	11.0	2.4	6.7	+0.3	18.5	18	-2.5	11	230	15	+177	40	26	96
Diamond Harbour EWS	122	10.8	4.5	7.7	+0.3	19.3	18	0.4	11	244	19	..	53	20	103
Akaroa EWS	45	12.7	4.3	8.5	+0.2	19.6	18	0.0	23	469	19	+348	107	12	82
Lake Tekapo EWS	762	5.2	-3.5	0.9	-1.0	13.8	4	-10.2	17	152	14	+102	51	18	125
Middlemarch EWS	213	10.1	-0.3	4.9	+1.1	16.7	5	..	..	63	15	+10	15	12	..
Dunedin, Musselburgh	4	10.7	4.4	7.6	+0.9	18.3	18	-0.2	30	235	20	+183	66	12	91
Oamaru EWS	20	10.9	2.3	6.6	+1.2	17.2	5	-2.7	11	153	13	..	37	12	128
Cromwell EWS	213	9.0	-1.2	3.9	+0.0	16.4	5	-5.6	11	76	12	+51	25	18	106
Alexandra EWS	132	8.8	-1.4	3.7	..	16.1	5	-5.6	11	68	15	..	20	18	113
Gore EWS	60	9.4	1.9	5.7	..	14.2	4	-4.0	11	78	21	..	14	18	101
Invercargill Aero 2 E		10.1	2.1	6.1	+0.8	14.1	18	-3.4	11	97	23	+24	17	13	80
Balclutha, Telford Ew	11	9.2	2.0	5.6	+0.9	15.8	18	-3.7	25	121	19	+60	22	12	82
Late returns and corrections for June 2022															
Kaitaia EWS	85	17.0	11.0	14.0	+1.2	19.8	1	4.7	23	151	24	+1	26	18	123
Dargaville 2 EWS	66	16.7	9.6	13.2	+0.8	21.1	1	1.6	23	84	22	-41	14	2	121
Whangarei EWS	12	17.4	8.8	13.1	+1.0	21.8	1	2.0	22	135	21	..	35	19	125
Auckland, North Shore	64	16.9	9.7	13.3	+1.5	20.9	1	2.7	23	134	23	+0	20	24	..
Auckland, Motat EWS	16	17.2	9.6	13.4	..	21.3	1	2.5	23	151	20	..	25	5	126
Manukau Heads EWS	240	14.9	10.6	12.8	..	18.2	1	5.9	21	180	21	..	32	11	127
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	144
Rotorua EWS	288	13.6	6.1	9.9	..	18.3	1	-1.2	24	256	20	..	38	12	123
Auckland, Mangere 2 E	16	16.7	10.0	13.4	..	20.8	1	3.4	23	148	21	+21	24	11	125
Firth Of Thames EWS	3	16.3	7.9	12.1	+1.8	19.8	1	-1.3	22	106	18	+1	18	29	127
Hamilton, Ruakura 2 E	45	16.0	7.1	11.6	+1.9	21.1	1	0.3	22	157	18	+39	43	18	131
Awakino EWS	400	11.8	6.8	9.3	..	16.0	1	0.5	21	275	20	+108	41	1	57

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		
Waikeria EWS	37	15.5	6.1	10.8	..	20.0	1	-3.1	22	183	20	+71	23	11	109
Te Kuiti EWS	61	15.4	5.8	10.6	+1.2	20.6	1	-2.4	22	231	20	+87	39	2	91
Turangi 2 EWS	360	13.3	4.6	9.0	+1.6	17.3	1	-3.7	24	205	20	+63	29	1	103
Masterton EWS	90	14.8	4.9	9.9	+1.8	19.1	8	-2.0	24	74	15	..	21	12	113
Dannevirke EWS	207	13.9	6.3	10.1	+2.0	19.7	1	-1.4	24	156	21	+58	33	12	98
Martinborough EWS	20	14.6	5.8	10.2	+1.6	18.4	1	-1.4	24	74	14	-8	19	12	84
Napier EWS	7	16.0	7.7	11.9	..	21.8	1	-0.4	24	50	9	-32	20	18	147
Paraparaumu Aero EWS	5	15.2	8.5	11.9	..	18.6	1	-0.1	23	189	15	+91	38	12	91
Palmerston North EWS	21	15.1	6.7	10.9	+1.5	19.9	1	-0.1	24	146	17	+51	33	12	91
Levin EWS	23	15.0	6.6	10.8	..	19.2	1	-0.8	22	137	17	..	37	10	117
Porirua, Elsdon Park	7	14.6	8.3	11.5	..	17.8	1	-0.3	23	199	22	..	42	12	..
Upper Hutt, Trentham	50	14.2	6.2	10.2	+2.0	17.7	1	-2.4	23	222	17	+101	44	12	86
Stratford EWS	280	13.5	6.0	9.8	+1.1	16.7	1	-0.9	23	228	22	+34	47	12	101
Takaka EWS	20	15.0	4.3	9.7	+1.1	18.0	6	-1.7	23	286	21	+85	32	24	144
Westport EWS	6	14.0	6.8	10.4	..	17.2	1	0.6	22	231	23	..	33	8	105
Arapito EWS	3	13.9	6.2	10.1	+1.2	18.4	6	0.8	23	329	19	+130	51	9	101
Reefton EWS	198	10.7	3.6	7.2	+1.0	16.7	6	-3.5	21	295	22	+105	39	1	55
Greymouth Aero EWS	5	13.7	6.4	10.1	+1.2	17.0	6	0.8	22	370	21	+137	72	8	79
Pigeon Creek CWS	105	11.6	4.8	8.2	+1.1	15.4	5	-2.8	23	577	25	..	103	1	..
Franz Josef EWS	80	12.4	4.3	8.4	+0.8	16.3	4	-1.4	22	557	22	+227	84	5	90
Appleby 2 EWS	18	13.7	2.1	7.9	+0.3	17.4	6	-4.6	23	149	18	+43	17	8	127
Richmond EWS	1	13.9	4.0	9.0	+0.9	16.5	1	-2.2	23	162	19	..	25	28	135
Blenheim Research EWS	4	14.3	4.7	9.5	+0.7	18.5	6	-0.4	23	80	14	+11	19	8	139
Brothers Island AWS	68	14.2	10.8	12.5	+1.4	17.0	26	7.5	21	103	19	+23	27	28	..
Cheviot EWS	75	13.1	1.4	7.3	+0.6	17.9	6	-5.0	23	46	17	-37	9	10	135
Winchmore 2 EWS	164	12.3	1.8	7.1	..	17.5	25	-3.9	23	55	17	-13	14	27	132
Waipara West EWS	130	13.7	4.4	9.1	+1.3	20.0	7	-0.7	22	87	13	+29	23	12	116
Rangiora EWS	23	13.6	3.1	8.4	+1.7	19.2	25	-3.1	23	41	14	-11	11	27	116
Bromley EWS	3	13.1	5.0	9.1	..	18.5	14	-1.8	22	17	8	..	9	27	131
Lincoln, Broadfield E	18	13.2	3.3	8.3	+1.4	18.7	25	-3.5	23	36	16	-28	11	27	121
Diamond Harbour EWS	122	12.3	6.0	9.2	+1.1	16.5	25	1.1	22	27	12	..	8	27	131
Akaroa EWS	45	14.8	6.1	10.5	+1.7	20.2	8	0.0	22	46	11	-65	11	27	99
Lake Tekapo EWS	762	8.6	-0.8	3.9	+1.2	14.0	7	-6.8	22	117	13	+65	26	12	107
Middlemarch EWS	213	11.9	-1.7	5.1	+0.7	19.6	7	-11.2	23	17	11	-40	11	27	..
Dunedin, Musselburgh	4	12.3	4.1	8.2	+0.8	17.8	1	-1.4	24	33	13	-26	9	27	74
Oamaru EWS	20	13.1	1.5	7.3	+1.1	18.8	2	-4.0	22	20	9	..	17	27	118
Cromwell EWS	213	10.7	0.1	5.4	+1.1	18.1	7	-5.6	23	61	10	+27	26	12	80
Alexandra EWS	132	9.8	-1.3	4.3	..	18.1	1	-7.6	23	24	7	..	7	12	104
Gore EWS	60	10.1	1.0	5.6	..	17.7	7	-3.4	13	68	15	..	17	14	99
Invercargill Aero 2 E		10.9	0.4	5.7	-0.1	17.0	7	-5.3	23	83	17	-2	13	14	97
Balclutha, Telford Ew	11	9.7	0.1	4.9	-0.4	16.8	7	-5.0	23	59	19	+6	21	14	89

Late returns and corrections for May 2022

Kaitiā EWS	85	19.7	12.6	16.2	+1.4	22.2	7	5.9	12	109	16	-22	39	18	155
Dargaville 2 EWS	66	19.2	10.8	15.0	+0.5	22.4	30	3.1	13	70	17	-45	28	18	165
Whangarei EWS	12	19.9	9.8	14.9	+0.7	24.0	17	3.0	13	108	16	..	40	29	147
Auckland, North Shore	64	19.4	10.9	15.2	+1.4	22.1	17	3.7	13	75	15	-43	16	29	160
Auckland, Motat EWS	16	19.8	10.7	15.3	..	22.0	3	3.4	13	65	18	..	14	29	178
Manukau Heads EWS	240	17.3	12.3	14.8	..	19.5	2	7.4	12	84	15	..	18	31	174
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	188
Rotorua EWS	288	16.8	7.1	12.0	..	19.9	18	0.7	28	184	12	..	69	30	178
Auckland, Mangere 2 E	16	19.4	10.9	15.2	..	21.8	7	3.7	12	69	13	-42	17	29	175
Firth Of Thames EWS	3	19.6	7.5	13.6	+1.0	23.3	2	-1.6	12	84	12	-15	26	29	165
Hamilton, Ruakura 2 E	45	19.2	7.6	13.4	+1.4	22.6	2	-0.2	28	139	15	+36	26	31	177
Awakino EWS	400	15.7	7.8	11.8	..	31.4	15	3.0	12	238	15	+35	63	17	82
Waikeria EWS	37	19.0	5.9	12.5	..	22.4	4	-1.9	12	150	13	+44	30	29	180
Te Kuiti EWS	61	18.5	5.5	12.0	+0.4	22.2	2	-1.3	12	154	15	+13	33	30	158
Turangi 2 EWS	360	16.6	4.1	10.4	+0.8	20.5	6	-4.2	12	148	14	+19	35	30	159
Masterton EWS	90	18.0	4.6	11.3	+1.1	24.7	3	-2.1	29	65	9	..	13	30	152
Dannevirke EWS	207	16.7	7.1	11.9	+1.6	20.9	17	-1.0	29	119	16	+41	28	15	138
Martinborough EWS	20	18.0	6.4	12.2	+1.3	22.6	3	-0.4	24	42	10	-21	12	30	129
Napier EWS	7	18.3	7.0	12.7	..	24.3	17	1.3	29	55	9	-14	27	30	186
Paraparaumu Aero EWS	5	17.5	9.5	13.5	..	20.0	4	1.6	28	108	13	+11	34	30	136

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		
Palmerston North EWS	21	17.6	7.8	12.7	+1.0	21.5	5	-0.9	13	121	13	+34	29	15	121
Levin EWS	23	17.4	8.0	12.7	..	20.7	4	-0.5	27	140	14	..	31	14	142
Porirua, Elsdon Park	7	17.3	9.3	13.3	..	20.9	4	1.3	28	..	..	..	..	..	121
Upper Hutt, Trentham	50	17.1	6.9	12.0	+1.2	21.3	4	-0.9	12	108	14	-26	33	30	135
Stratford EWS	280	16.7	7.1	11.9	+1.1	20.5	5	0.7	28	219	13	+20	95	30	141
Takaka EWS	20	18.0	6.3	12.2	+1.3	22.1	9	1.1	25	155	17	-24	37	31	165
Westport EWS	6	17.1	10.6	13.9	..	20.1	2	5.5	23	335	23	..	60	31	146
Arapito EWS	3	17.4	9.1	13.3	+2.1	21.5	3	4.8	28	299	20	+102	44	14	129
Reefton EWS	198	14.8	6.8	10.8	+1.7	20.6	3	-0.2	11	248	18	+77	60	31	87
Greymouth Aero EWS	5	16.7	9.6	13.2	+2.2	19.5	2	4.1	21	374	20	+164	88	8	115
Franz Josef EWS	80	16.4	6.8	11.6	+1.8	19.7	6	0.4	23	384	17	+10	113	8	129
Appleby 2 EWS	18	16.9	5.1	11.0	+0.9	21.7	9	-1.7	28	83	9	-4	19	30	172
Richmond EWS	1	17.0	6.9	12.0	+1.3	21.7	9	1.0	29	95	10	..	34	30	179
Blenheim Research EWS	4	18.0	7.0	12.5	+1.3	22.4	5	..	..	48	9	-9	11	31	186
Cheviot EWS	75	17.0	4.0	10.5	+0.9	23.0	1	-2.1	12	62	12	+8	14	9	168
Mt Cook EWS	730	13.7	3.1	8.4	+2.2	20.8	7	-2.3	21	305	16	-73	81	8	108
Winchmore 2 EWS	164	16.1	4.4	10.3	..	22.0	1	-0.4	28	40	11	-22	20	9	188
Waipara West EWS	130	17.7	6.1	11.9	+1.4	23.8	2	1.2	22	80	15	+34	33	9	170
Rangiora EWS	23	16.9	4.8	10.9	+1.5	25.6	2	-1.0	29	51	14	-3	19	15	160
Bromley EWS	3	16.1	6.9	11.5	..	23.5	2	0.3	21	4	6	..	3	30	171
Lincoln, Broadfield E	18	16.5	5.6	11.1	+1.3	23.5	1	-1.5	29	28	14	-29	6	9	167
Diamond Harbour EWS	122	15.8	8.2	12.0	+1.3	22.9	2	3.2	27	19	13	..	4	14	176
Akaroa EWS	45	17.7	8.1	12.9	+1.4	24.1	1	3.5	29	22	8	-73	8	20	146
Lake Tekapo EWS	762	14.3	2.0	8.2	+1.8	..	..	..	..	34	8	-38	11	18	181
Middlemarch EWS	213	16.6	2.1	9.4	+2.4	23.5	2	-6.9	28	9	8	-61	2	13	148
Dunedin, Musselburgh	4	15.4	7.6	11.5	+1.9	21.6	31	2.0	27	25	11	-39	7	8	129
Oamaru EWS	20	15.6	5.1	10.4	+2.0	20.5	31	-1.6	28	26	7	..	10	8	179
Cromwell EWS	213	16.2	2.0	9.1	+1.4	21.4	17	-4.5	27	11	7	-27	5	18	151
Alexandra EWS	132	15.7	2.1	8.9	..	22.1	2	-3.9	27	18	10	..	9	14	167
Gore EWS	60	14.1	5.1	9.6	..	20.2	31	-1.0	27	92	16	..	24	20	100
Invercargill Aero 2 E		15.1	5.1	10.1	+1.9	21.6	6	-1.5	27	103	20	-3	18	20	102
Balclutha, Telford Ew	11	14.0	4.0	9.0	+1.2	21.0	6	-2.7	28	45	14	-30	13	20	110

Late returns and corrections for April 2022

Kaitaia EWS	85	22.1	15.1	18.6	+1.7	25.0	19	9.1	15	88	14	-11	43	17	133
Dargaville 2 EWS	66	21.5	13.7	17.6	+1.1	25.4	3	6.7	16	65	13	-22	28	18	155
Whangarei EWS	12	22.2	13.2	17.7	+1.5	27.1	6	7.3	16	193	17	..	68	17	138
Auckland, North Shore	64	22.0	13.3	17.7	+1.7	25.9	3	8.3	16	48	13	-45	12	19	177
Auckland, Motat EWS	16	22.3	13.3	17.8	..	25.7	3	8.3	26	33	10	..	7	24	192
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	214
Rotorua EWS	288	20.1	9.2	14.7	..	25.9	1	3.5	8	41	7	..	21	21	..
Auckland, Mangere 2 E	16	21.9	13.5	17.7	..	25.3	2	8.1	8	23	13	-69	5	12	194
Firth Of Thames EWS	3	22.9	9.7	16.3	+1.1	25.6	4	2.7	15	26	13	-97	11	12	195
Hamilton, Ruakura 2 E	45	22.2	9.8	16.0	+1.3	25.6	2	2.5	26	13	8	-79	7	5	213
Awakino EWS	400	18.5	10.3	14.4	..	23.3	1	5.9	15	60	9	-116	17	21	79
Waikeria EWS	37	22.0	7.5	14.8	..	25.4	2	0.4	15	15	7	-73	9	5	196
Te Kuiti EWS	61	22.2	7.9	15.1	+0.8	26.2	2	0.5	15	17	6	-91	9	5	198
Turangi 2 EWS	360	19.6	5.5	12.6	+0.7	24.5	2	-1.2	15	30	9	-93	11	20	210
Masterton EWS	90	20.4	6.8	13.6	+1.0	26.9	20	-0.3	15	12	7	..	5	1	195
Dannevirke EWS	207	19.2	8.3	13.8	+1.1	24.5	20	0.4	15	12	8	-75	5	6	189
Martinborough EWS	20	20.1	7.7	13.9	+0.8	24.8	20	0.1	15	6	6	-56	3	22	172
Napier EWS	7	20.4	10.3	15.4	..	27.0	6	4.1	8	25	6	-59	17	12	214
Paraparaumu Aero EWS	5	19.4	9.9	14.7	..	23.4	20	2.4	30	25	6	-49	13	21	185
Palmerston North EWS	21	20.3	9.1	14.7	+0.7	26.2	21	1.8	15	18	5	-66	10	21	180
Levin EWS	23	20.0	8.5	14.3	..	25.2	20	1.9	15	39	5	..	26	21	204
Porirua, Elsdon Park	7	19.0	10.7	14.9	..	21.9	20	3.3	30	42	10	..	17	21	182
Upper Hutt, Trentham	50	19.2	8.0	13.6	+0.9	24.0	20	0.2	30	34	8	-73	15	21	191
Stratford EWS	280	19.2	8.5	13.9	+1.0	22.5	20	3.1	29	55	8	-103	27	21	203
Takaka EWS	20	20.6	8.0	14.3	+1.0	23.5	3	4.0	18	74	6	-90	45	21	196
Westport EWS	6	19.2	11.3	15.3	..	21.3	17	7.2	8	115	15	..	20	5	202
Arapito EWS	3	20.1	10.0	15.1	+1.9	23.2	17	6.3	23	127	16	-48	38	21	186
Reefton EWS	198	19.4	7.6	13.5	+1.4	24.6	4	1.0	14	108	11	-35	31	20	167
Greymouth Aero EWS	5	19.6	10.6	15.1	+2.2	23.0	1	6.9	23	127	13	-74	31	20	187

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	
Franz Josef EWS	80	18.9	8.4	13.7	+1.8	23.6	1	3.9	23	322	11	-7	111	20	189
Appleby 2 EWS	18	19.5	6.1	12.8	+0.2	22.7	1	0.2	14	31	3	-48	29	21	216
Richmond EWS	1	19.7	8.9	14.3	+0.9	22.7	1	3.4	14	32	8	..	25	21	228
Blenheim Research EWS	4	20.4	9.0	14.7	+1.2	..	..	3.5	14	10	2	-44	9	21	241
Cheviot EWS	75	18.9	5.9	12.4	+0.7	..	..	..	..	17	6	-49	9	6	190
Mt Cook EWS	730	16.8	4.6	10.7	+1.3	22.1	3	1.5	18	337	14	+1	157	20	168
Winchmore 2 EWS	164	17.3	5.7	11.5	..	26.4	21	0.4	30	15	7	-56	7	12	197
Waipara West EWS	130	19.6	7.3	13.5	+0.8	27.1	20	2.6	8	21	6	-38	8	6	195
Rangiora EWS	23	18.7	6.9	12.8	+0.9	25.7	21	1.0	30	19	6	-39	12	6	173
Bromley EWS	3	17.8	9.6	13.7	..	25.6	21	3.2	23	14	4	..	12	6	194
Lincoln, Broadfield E	18	18.5	7.9	13.2	+0.9	27.6	21	1.1	23	20	7	-34	15	6	194
Diamond Harbour EWS	122	17.6	9.7	13.7	+0.9	24.9	21	5.2	8	13	5	..	8	6	197
Akaroa EWS	45	19.5	9.3	14.4	+0.8	28.2	5	3.3	8	14	6	-79	8	6	166
Lake Tekapo EWS	762	17.7	2.9	10.3	+0.9	23.6	3	-1.6	8	31	4	-20	18	12	229
Middlemarch EWS	213	18.9	3.8	11.4	+1.2	24.0	21	-2.3	17	8	5	-57	5	11	169
Dunedin, Musselburgh	4	17.1	9.1	13.1	+1.3	21.7	19	5.3	14	30	11	-31	9	11	195
Oamaru EWS	20	16.5	6.9	11.7	+0.6	22.2	16	2.8	14	12	9	..	3	21	190
Cromwell EWS	213	19.4	3.2	11.3	+0.3	23.2	2	-1.5	18	19	4	-15	12	11	212
Alexandra EWS	132	18.7	3.2	11.0	..	22.3	11	-1.0	18	16	6	..	8	11	199
Gore EWS	60	16.4	6.4	11.4	..	20.1	15	-0.7	2	91	16	..	23	11	160
Invercargill Aero 2 E		16.2	7.1	11.7	+1.3	21.5	5	-0.5	18	107	14	+20	22	5	..
Balclutha, Telford Ew	11	16.1	6.0	11.1	+0.9	20.2	15	-0.8	18	42	10	-18	12	20	144

Late returns and corrections for March 2022

Napier EWS	7	21.1	13.4	17.3	..	24.4	7	8.1	4	151	14	+89	78	23	181
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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.