



Climate Database Statistics Report

August 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 August 2023

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine Hrs
		Means of		Mean of A and B	Differ—ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ—ence From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	mm		
Cape Reinga AWS	213	14.4	9.9	12.2	-0.4	..	..	..	..	..	..	..	..	..
Kaitaia Aero EWS	80	15.2	7.3	11.3	-1.1	18.4	31	2.7	29	85	20	-37	25	19	
Kaitaia Airport AWS	77	15.2	7.3	11.3	..	..	..	..	..	..	..	..	..	..
Kaitaia EWS	85	15.4	8.3	11.9	-0.3	18.2	31	4.2	29	88	18	-49	29	19	
Kerikeri EWS	79	16.1	6.1	11.1	-0.9	18.5	1	1.1	12	79	16	-92	39	19	
Kerikeri Aerodrome Aw	149	15.0	6.5	10.8	-0.7	17.1	1	2.6	12	102	24	-84	50	19	
Kaikohe AWS	204	13.8	7.2	10.5	-1.0	16.0	31	4.8	29	91	23	-71	41	19	
Trounson CWS	244	13.3	5.9	9.6	-1.0	16.6	31	1.6	29	92	22	-79	15	19	
Dargaville 2 EWS	66	14.7	7.8	11.3	-0.5	17.6	31	3.7	29	71	20	-44	17	19	
Purerua AWS	87	15.6	7.9	11.8	-0.5	18.4	13	5.2	12	100	25	-30	40	19	
Russell CWS	15	15.7	4.8	10.3	..	18.4	30	0.3	12	44	12	-100	36	19	
Whangarei Aero AWS	38	14.9	6.8	10.9	-1.3	17.2	1	3.1	29	92	21	-38	28	2	
Whangarei EWS	12	15.6	5.1	10.4	-1.3	18.0	1	0.6	12	62	15	..	23	19	
Mokohinau Island AWS	70	14.3	10.8	12.6	-0.5	16.0	13	8.5	3	60	15	-34	22	19	
Leigh 2 EWS	27	16.5	8.7	12.6	..	19.2	6	4.5	3	72	18	-48	28	19	
Warkworth EWS	72	14.7	4.4	9.6	-1.3	16.3	1	0.8	29	76	17	-73	19	19	
Whangaparaoa AWS	100	15.2	8.2	11.7	-0.4	16.9	1	5.6	3	73	21	-14	25	19	
Tiri Tiri Lighthouse	76	14.1	7.2	10.7	-1.4	16.4	1	5.0	3	62	23	-36	24	19	
Auckland, Whenuapai A	26	14.8	4.8	9.8	-1.4	..	..	..	..	..	..	..	..	..
Auckland, North Shore	64	15.2	5.7	10.5	-0.7	17.2	6	1.9	29	87	18	-39	25	19	
Auckland, Henderson N	7	16.1	4.0	10.1	-1.2	18.7	6	0.4	29	81	19	-71	13	19	
Auckland, Motat EWS	16	15.6	5.7	10.7	..	17.8	5	1.7	3	68	19	..	17	19	
Manukau Heads EWS	240	12.7	8.2	10.5	..	14.6	5	4.8	3	72	16	..	11	19	
Whitianga Aero AWS	5	15.1	4.4	9.8	-1.1	17.3	27	-0.7	4	86	21	-100	36	19	
Whitianga EWS	1	15.9	4.2	10.1	-1.2	18.6	31	-0.4	4	72	12	..	34	19	
Thames EWS	3	15.2	5.5	10.4	..	17.9	27	0.4	4	63	11	..	21	19	
Matamata, Hinuera EWS	85	13.9	1.7	7.8	-1.5	16.5	5	-3.4	4	85	12	+1	30	19	
Tauranga CWS	3	14.9	5.3	10.1	..	17.9	1	1.3	4	49	19	..	14	19	
Tauranga Aero AWS	2	15.3	5.1	10.2	-0.8	17.9	1	-0.3	4	43	11	-69	15	19	
Te Puke EWS	123	15.1	4.2	9.7	-0.7	17.3	14	-0.4	4	66	11	-90	34	19	
Whakatane Aero AWS	8	14.9	3.3	9.1	-0.9	18.6	27	-1.0	4	57	15	-49	19	19	
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	230
Whakatane EWS	1	15.2	4.3	9.8	..	18.2	27	-0.4	4	41	11	..	15	19	
Mamaku Radar WXT AW617	617	8.8	3.6	6.2	-1.0	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	16.1	2.3	9.2	-1.1	18.5	30	-2.7	4	..	..	..	..	..
Rotorua EWS	288	13.0	1.7	7.4	..	15.4	14	-2.6	4	63	15	..	25	19	
Rotorua Aero AWS	286	12.8	1.7	7.3	-1.1	15.2	31	-3.0	4	82	19	-43	42	19	
Galatea AWS	175	13.5	1.0	7.3	-1.0	16.5	4	-3.6	12	67	19	..	32	19	
Taupo CWS	360	13.4	2.3	7.9	..	17.1	31	-2.9	29	55	21	..	17	19	
Tarapounamu EWS	701	8.3	0.6	4.5	-1.3	11.7	31	-3.1	12	105	14	-83	41	19	
Taupo Aero AWS	402	11.5	1.0	6.3	-1.2	14.2	31	-4.4	23	60	20	-29	14	19	
Motu EWS	488	12.3	1.0	6.7	-0.2	16.4	31	-5.9	12	107	13	-87	44	19	
Auckland, Mangere 2 E	16	15.1	6.6	10.9	..	17.8	5	1.7	3	59	17	-59	15	19	
Auckland Aero	7	14.9	6.9	10.9	-0.8	17.3	5	2.5	3	68	21	-49	17	19	
Auckland Aero Backup	7	14.9	7.0	11.0	-0.7	17.2	5	2.8	4	66	20	..	16	19	
Ardmore Aero AWS	41	15.0	4.0	9.5	..	..	..	..	..	..	..	..	..	..
Pukekohe EWS	88	13.9	4.6	9.3	-1.7	16.0	6	0.8	3	96	18	-35	16	19	
Firth Of Thames EWS	3	15.2	3.9	9.6	-0.9	17.7	1	-0.3	4	59	15	-66	19	19	
Hamilton, Ruakura 2 E	45	14.9	3.3	9.1	-0.7	17.0	5	-1.8	4	67	12	-40	16	19	
Hamilton Aero AWS	53	14.4	2.4	8.4	-1.3	16.5	30	-3.0	4	96	19	-23	25	14	
Lake Karapiro CWS	55	14.7	5.0	9.9	-0.7	17.7	31	1.7	4	67	14	-47	17	19	
Port Taharoa AWS	18	14.0	7.8	10.9	-0.6	17.6	5	2.7	3	74	20	-60	13	20	
Awakino EWS	400	11.1	4.2	7.7	..	14.6	5	0.4	3	..	..	..	..	..
Waikeria EWS	37	14.5	1.9	8.2	..	17.0	27	-2.9	4	73	13	-37	17	19	
Te Kuiti EWS	61	14.4	2.2	8.3	-1.3	16.9	5	-2.3	29	85	15	-54	19	19	
Pureora Forest CWS	549	10.4	0.8	5.6	-1.0	14.4	5	-4.7	29	111	15	-74	23	19	
Taumarunui EWS	170	13.1	2.2	7.7	-0.9	16.0	5	-3.0	4	94	22	-53	19	19	
Taumarunui AWS	186	13.0	1.5	7.3	-1.2	16.2	5	-3.9	29	84	23	..	14	19	
Turangi 2 EWS	360	..	-1.3	..	..	..	..	-6.7	29	76	13	-79	26	19
New Plymouth Aero AWS	28	13.6	4.4	9.0	-1.3	15.8	1	-0.5	3	120	18	-9	41	19	
Lower Retaruke CWS	233	12.3	2.5	7.4	-1.1	15.2	31	-2.7	29	108	20	-54	20	16	
Mt Ruapehu, Chateau E 1097	1097	5.9	-2.3	1.8	-1.7	11.4	4	
Pahiatua EWS	110	12.1	2.0	7.1	-1.2	14.8	20	-3.6	6	94	18	..	30	9	

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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	Hrs		
Masterton Aero AWS	105	12.7	1.6	7.2	-1.2	17.7	1	-3.4	12	69	17	..	17	1	..
Masterton EWS	90	13.3	1.1	7.2	-0.8	18.2	31	-3.0	29	53	14	..	13	1	156
Masterton, Te Ore Ore	110	13.3	2.4	7.9	-1.2	18.7	31	-2.0	12	51	15	-31	12	1	..
Takapau Plains AWS	346	11.2	2.1	6.7	-0.9	15.3	31	-3.0	23	42	18	-45	10	1	..
Dannevirke EWS	207	12.1	2.7	7.4	-0.9	15.1	20	-2.7	29	61	16	-17	14	1	138
Cape Turnagain AWS	285	10.1	6.0	8.1	-0.6	13.5	1	2.7	10	52	14	..	14	10	..
Akitio EWS	245	11.0	4.6	7.8	-1.0	14.0	1	1.0	29	49	15	..	14	9	180
Castlepoint AWS	120	11.8	6.8	9.3	-0.8	15.5	1	3.0	3	48	17	-33	10	10	..
Baring Head	79	..	6.3	..	..	..	..	1.6	9	66	12	..	16	16	..
Te Wharau, Brackenfie	292	11.3	2.1	6.7	-1.3	21.8	30	-1.4	23	103	13	-52	36	2	..
Martinborough EWS	20	13.2	3.0	8.1	-0.8	16.6	1	-2.1	12	96	15	+25	24	16	127
Ngawi AWS	8	13.3	7.7	10.5	-0.5	16.8	31	3.6	23	119	18	+32	28	16	..
Hicks Bay AWS	46	14.9	6.9	10.9	-0.7	16.8	14	2.3	3	39	11	-98	11	10	..
Gisborne Aero AWS	5	14.7	5.3	10.0	-0.5	18.4	27	1.5	30	17	13	-70	4	2	169
Gisborne EWS	12	15.0	4.7	9.9	-0.8	18.1	13	0.5	12	17	9	-61	5	20	..
Tolaga Bay WXT AWS	15	14.1	6.1	10.1	-0.5	17.7	1	1.5	30	32	13	..	12	2	..
Tutira CWS	235	13.0	3.6	8.3	-0.6	16.2	1	-0.8	29	18	8	-104	4	10	..
Napier Aero AWS	3	14.6	3.6	9.1	-0.8	19.8	1	-1.5	29	21	10	-36	12	10	..
Napier EWS	7	15.3	4.1	9.7	..	20.2	1	-1.1	12	15	10	-46	9	10	..
Maraekakaho CWS	150	14.3	2.9	8.6	..	..	..	-2.2	12	..	..	..	..	..	..
Hastings AWS	16	15.0	2.6	8.8	-0.9	21.2	14	-2.3	12	16	13	..	3	19	..
Whakatu EWS	5	15.3	2.0	8.7	-0.4	..	..	-3.3	12	11	9	-46	3	10	..
Waipawa EWS	130	13.5	1.5	7.5	-0.9	..	..	-2.9	18	23	11	-38	6	10	..
Wairoa, North Clyde E	15	15.2	4.9	10.1	-0.1	..	..	1.0	30	25	11	-67	9	27	..
Wairoa Aero AWS	13	14.1	4.2	9.2	-0.2	17.6	27	-0.2	12	33	15	..	9	27	..
Mahia Radar WXT AWS	419	10.2	5.8	8.0	-0.7	..	..	..	..	..	..	..	..	..	..
Mahia AWS	136	12.4	7.1	9.8	-0.7	16.2	1	4.7	29	103	19	+2	28	10	..
Cape Kidnappers WXT A	113	12.7	7.9	10.3	-0.3	17.7	1	4.5	29	..	..	..	..	..	..
Paraparaumu Aero	5	12.9	4.6	8.8	-0.8	16.0	1	-2.1	30	89	18	-7	17	19	162
Paraparaumu Aero AWS	8	12.7	5.3	9.0	-0.6	15.8	1	-0.3	29	89	20	+4	17	16	..
Paraparaumu Aero EWS	5	13.1	5.4	9.3	..	16.3	1	-0.4	29	74	17	-13	14	16	157
Ohakea AWS	47	12.7	4.4	8.6	-1.2	15.3	1	-0.4	11	78	19	..	24	9	..
Palmerston North Aero	39	12.8	3.5	8.2	-1.3	15.9	20	-1.6	29	97	19	+20	38	9	..
Palmerston North EWS	21	13.1	3.2	8.2	-1.3	15.9	27	-1.2	29	94	18	+11	33	9	134
Levin AWS	15	13.2	4.5	8.9	-0.7	16.3	27	-1.0	11	120	22	+31	30	1	..
Levin EWS	23	13.2	4.1	8.7	..	16.2	27	-1.9	11	98	18	..	30	1	157
Mana Island AWS	110	11.1	6.7	8.9	-0.5	13.5	1	3.0	9	84	17	..	26	16	..
Porirua, Elsdon Park	7	12.5	4.7	8.6	..	15.6	1	-1.1	12	100	17	..	26	16	142
Wellington, Kelburn A	125	11.5	6.1	8.8	-0.9	13.8	1	2.7	9	126	20	-13	33	16	153
Wellington Aero	4	12.5	6.8	9.7	-0.6	16.0	1	2.6	9	92	15	-2	22	16	..
Wellington, Greta Poi	3	13.1	7.2	10.2	-0.6	16.3	1	3.7	9	100	14	..	22	16	..
Wellington Aero Backu	4	12.5	6.8	9.7	-0.6	16.0	1	2.6	9	93	15	-4	22	16	..
Upper Hutt, Trentham	50	12.4	3.0	7.7	-0.6	15.9	1	-2.6	12	123	16	+13	23	16	135
Stratford EWS	280	11.4	2.5	7.0	-1.6	15.3	1	-1.6	4	126	16	-74	28	19	138
Hawera AWS	100	12.6	4.3	8.5	-0.8	15.8	1	-0.4	29	93	24	-12	17	2	..
Ohakune EWS	607	10.1	1.5	5.8	-0.7	13.2	31	-3.7	29	99	17	-23	20	16	..
Waiouru Aero AWS	820	7.9	-0.9	3.5	-1.1	10.5	13	-5.9	29	86	25	..	17	16	..
Waiouru EWS	803	8.5	-0.2	4.2	..	11.5	31	-5.1	23	60	24	-49	10	16	..
Flat Hills WXT AWS	262	11.4	3.7	7.6	-1.0	14.9	20	-0.5	29	87	24	+1	22	1	..
Whanganui, Spriggens	15	13.2	5.2	9.2	-1.2	16.8	1	1.3	29	90	16	+7	14	1	..
Whanganui Aero AWS	14	13.3	5.8	9.6	-0.7	16.5	1	2.1	29	89	21	+2	21	1	..
Wanganui 2 AWS	18	14.8	4.8	9.8	-0.8	..	..	..	..	..	..	..	..	..	..
Takaka EWS	20	13.8	1.8	7.8	-0.8	18.2	21	-2.3	3	94	8	-92	56	19	216
Farewell Spit AWS	3	15.9	6.5	11.2	+0.3	18.9	1	2.8	3	95	13	-16	21	19	..
Westport Aero AWS	5	12.7	4.9	8.8	-0.7	14.7	1	1.1	11	162	24	-25	36	19	..
Westport EWS	6	..	..	..	..	..	..	..	..	141	22	..	35	19	198
Arapito EWS	3	13.6	4.4	9.0	+0.0	16.4	26	-1.1	3	148	16	-38	34	13	189
Hokitika Aero	39	12.5	3.0	7.8	-0.6	14.2	25	-2.2	3	174	16	-73	56	19	179
Hokitika Aero AWS	40	12.4	3.0	7.7	-0.6	14.0	25	-2.2	3	189	21	-46	59	19	194
Hokitika EWS	39	12.5	2.9	7.7	..	14.3	25	-2.5	3	161	17	..	52	19	..
Reefton EWS	198	12.7	1.3	7.0	-0.4	15.7	21	-3.7	11	111	15	-68	45	19	162
Greymouth Aero EWS	5	12.8	4.2	8.5	-0.5	14.2	1	-1.3	3	127	15	-77	26	13	167
Pigeon Creek CWS	105	11.6	2.2	6.9	-0.8	15.2	21	-1.9	4	229	15	..	71	19	..

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		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Date	Hrs	
Mt Philistine EWS	1655	1.4	-4.6	-1.6	-0.8
Mahanga EWS	1995	0.2	-5.7	-2.8	-0.9	7.2	23	-11.2	3	45	17	..	7	16	..
Ivory Glacier CWS	1390	3.4	-3.2	0.1	..	9.7	23	-5.9	28	95	20	-278	24	19	..
Okarito EWS	1	12.0	2.7	7.4	..	14.1	25	-2.2	3	142	14	..	34	19	..
Franz Josef EWS	80	12.2	2.0	7.1	-0.7	15.6	21	-1.4	9	157	11	-128	46	19	162
Lake Moeraki EWS	10	11.9	1.2	6.6	..	15.2	21	-2.1	9	207	15	..	43	19	..
Haast AWS	1	11.7	3.3	7.5	-0.9	15.1	21	-1.1	3	205	20	-41	34	14	..
Milford Sound AWS	3	10.4	2.6	6.5	-0.4	13.4	24	-0.8	11	373	22	-84	65	19	..
Milford Sound EWS	3	10.3	2.5	6.4	..	13.4	21	-0.7	11	..	..	..	..	..	..
Castle Mount EWS	2000	-0.1	-6.9	-3.5	-0.6	4.6	22	-11.6	10	311	20	..	157	30	..
Secretary Island AWS	19	11.4	6.0	8.7	-0.8	..	..	..	..	..	..	..	..	..	..
Puysegur Point AWS	45	11.0	6.3	8.7	+0.0	14.5	23	2.9	10	225	29	+14	30	14	..
Stephens Island AWS	188	12.1	7.6	9.9	..	..	..	..	..	..	..	..	..	..	..
Motueka, Riwaka EWS	8	13.6	1.4	7.5	-1.0	..	..	..	..	74	9	-54	44	19	..
Pelorus Sd, Crail Bay	13	13.7	5.8	9.8	-0.3	16.7	13	1.7	11	98	10	-53	49	19	..
Nelson Aero	2	13.1	3.0	8.1	-0.7	16.9	21	-1.8	3	76	7	-8	57	19	..
Appleby 2 EWS	18	13.8	0.5	7.2	-0.9	17.4	21	-4.2	12	61	6	-17	41	19	..
Richmond EWS	1	12.5	1.2	6.9	-1.7	16.4	21	-3.3	9	60	8	..	40	19	241
Nelson Aero AWS	6	12.8	3.1	8.0	-0.8	16.6	21	-1.0	12	71	12	-10	48	19	..
Blenheim Research EWS	4	13.7	1.9	7.8	-1.4	18.4	31	-1.6	11	24	7	-34	13	19	233
Blenheim Aero AWS	36	13.7	1.0	7.4	-1.0	18.2	31	-3.4	11	44	12	-21	26	19	..
Brothers Island AWS	68	11.6	8.3	10.0	-0.7	..	..	3.9	10	..	..	..	..	..	..
Grassmere Salt Works	2	13.6	5.7	9.7	-0.2	18.6	20	1.0	29	15	6	-37	10	19	..
Cape Campbell AWS	6	12.2	7.4	9.8	+0.0	15.6	1	3.5	10	13	4	-32	8	19	..
Hanmer Forest EWS	363	12.7	-1.6	5.6	-0.4	18.3	31	-5.1	9	46	14	-45	10	16	..
Kaikoura, Middle Cree	5	12.6	1.8	7.2	-0.1	19.8	1	-2.1	29	1	2	..	1	9	..
Kaikoura AWS	108	12.3	5.9	9.1	+0.1	..	..	..	..	..	..	..	..	..	..
Arthurs Pass	745	7.9	-0.8	3.6	+0.1	12.4	25	-5.2	11	199	17	-154	68	19	..
Arthurs Pass EWS	745	7.8	-1.0	3.4	-0.2	12.5	25	-5.3	11	205	15	..	74	19	..
Arthurs Pass AWS	743	7.2	-0.7	3.3	-0.1	11.9	25	-4.9	11	228	24	..	82	19	..
Culverden AWS	181	12.6	0.0	6.3	-0.8	19.2	31	-4.1	9	34	18	-11	16	16	..
Medbury CWS	232	12.5	-0.5	6.0	-1.2	18.3	31	-5.1	12	32	8	..	14	16	..
Balmoral East CWS	172	13.3	-0.9	6.2	..	19.6	31	-5.2	9	27	6	..	13	16	..
Waipara North Branch	497	11.1	-0.9	5.1	..	15.6	26	-6.7	11	60	13	..	17	1	..
Waiiau School CWS	136	14.0	-0.3	6.9	-0.7	20.5	31	-3.9	9	17	6	-52	6	16	..
Cheviot EWS	75	13.5	0.3	6.9	-0.6	18.6	20	-3.4	9	10	8	-52	4	9	220
Upper Rakaia EWS	1752	2.5	-3.9	-0.7	+0.2	8.6	4	-10.0	10	40	15	-51	8	28	..
Mt Cook EWS	730	9.5	-0.5	4.5	+0.4	15.8	31	-4.0	11	156	13	-128	42	19	..
Mueller Hut EWS	1818	2.1	-4.7	-1.3	-0.5	8.6	23	-10.4	28	33	11	..	9	21	..
Mt Cook Aero AWS	656	9.5	-2.0	3.8	+0.1	16.0	31	-6.6	11	106	10	..	36	19	..
Cass EWS	571	10.8	-2.0	4.4	..	15.5	25	-8.3	11	79	12	..	32	19	..
Methven CWS	313	12.8	2.0	7.4	+0.2	20.2	31	-1.4	10	38	12	-31	14	7	..
Te Piritia at Sharland	208	12.3	1.4	6.9	..	..	..	..	..	..	..	..	..	..	..
Winchmore 2 EWS	164	13.1	0.1	6.6	..	18.9	31	-3.6	23	16	8	-43	6	7	218
Mayfield at Ruapuna F	325	12.2	-0.1	6.1	..	18.2	31	-4.2	11	22	13	..	9	1	..
Peel Forest	286	12.8	-0.4	6.2	-0.2	18.3	30	-3.3	9	19	15	-53	5	26	..
Lismore, Racemans Hou	168	13.9	2.3	8.1	+1.1	20.0	31	-1.8	10	15	10	..	3	1	..
Ashburton Council	101	14.0	1.7	7.9	+0.3	19.9	20	-2.0	18	12	9	-52	4	1	..
Ashburton Aero AWS	88	12.8	1.0	6.9	-0.1	19.0	31	-3.2	18	12	12	-55	4	1	210
Ohoka CWS		12.3	0.5	6.4	..	18.8	20	-3.3	12	..	..	..	..	..	..
Rangiora EWS	23	13.0	1.2	7.1	-0.4	19.1	20	-2.9	12	25	9	-24	13	16	195
Christchurch Aero	37	12.3	0.4	6.4	-0.9	18.2	20	-4.0	12	44	19	-14	25	16	208
Christchurch Aero Bac	37	12.4	0.3	6.4	-0.6	18.4	20	-4.1	12	41	17	..	23	16	..
Christchurch Gardens	7	12.8	2.2	7.5	-0.6	19.5	20	-2.0	9	41	12	-20	10	11	..
Christchurch, Kyle St	6	13.0	2.0	7.5	-0.6	19.6	20	-3.1	9	23	9	-35	6	9	..
Christchurch Botanic	17	12.9	2.4	7.7	..	19.3	20	-2.0	9	29	10	..	7	9	..
Bromley EWS	3	12.0	3.5	7.8	..	18.6	20	-0.6	9	52	10	..	15	2	213
Lincoln, Broadfield E	18	12.7	2.3	7.5	-0.2	18.6	20	-2.6	9	19	11	-36	4	27	197
Lincoln, Broadfield E	17	12.6	2.0	7.3	..	18.6	20	-3.3	9	18	9	..	4	9	..
Sugar Loaf AWS	496	9.6	3.3	6.5	-0.4	14.5	20	-1.3	11	..	..	..	..	..	..
Diamond Harbour EWS	122	11.6	4.2	7.9	-0.3	17.5	20	0.0	11	73	12	..	21	10	205
Akaroa EWS	45	12.9	4.5	8.7	-0.4	19.8	20	1.2	12	60	12	-50	16	10	170
Le Bons Bay AWS	238	10.3	5.1	7.7	-0.2	16.3	20	1.1	11	70	15	+0	15	16	..

Summary of the records of Temperature, Rainfall and Sunshine August 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		
Lake Tekapo, Air Safa	762	9.2	-2.1	3.6	-0.1	15.3	26	-5.3	3	24	7	-28	13	1	..
Lake Tekapo EWS	762	9.8	-1.6	4.1	+0.3	16.2	26	-5.4	3	19	7	-19	6	1	185
Fairlie AWS	403	11.8	1.5	6.7	+0.6	18.2	31	-1.6	11	22	13	..	8	20	..
Pukaki Aerodrome AWS	461	11.0	-3.4	3.8	-0.5	17.1	30	-6.3	28	16	10	-35	14	1	..
Orari Estate	81	13.0	-0.1	6.5	-0.3	21.0	20	-3.2	12	8	8	-50	3	1	..
Orari Estate EWS	81	13.2	-0.5	6.4	-0.3	20.1	20	-3.6	12	7	7	..	3	1	..
Timaru Aero AWS	27	12.3	-0.6	5.9	-0.6	17.6	29	-3.4	12	19	17	-25	9	13	..
Timaru EWS	17	11.8	1.4	6.6	-0.1	18.0	1	-1.2	12	10	5	-35	4	13	..
Otaio @ Springbank ro	14	11.8	1.7	6.8	..	17.3	1	-1.3	23	7	2	..	5	13	..
Waimate CWS	39	12.4	1.8	7.1	+0.3	17.9	1	-1.4	22	2	2	-37	1	13	..
Oamaru Airport AWS	30	11.5	1.2	6.4	-0.2	17.7	20	-1.9	11	3	6	-43	1	13	..
Albert Burn	1280	3.9	-2.6	0.7	-0.5	8.4	22	-8.0	28	95	17	-53	32	19	..
Mt Larkins EWS	1900	-1.1	-6.1	-3.6	+0.0	3.6	3	-11.7	10	35	14	..	14	3	..
Eglinton, Knobs Flat	365	9.3	0.5	4.9	-0.2	15.1	29	-3.5	11	137	18	+9	46	1	..
Tara Hills AWS	485	10.6	-2.4	4.1	-0.7	16.0	31	-6.3	22	33	13	-2	25	1	..
Wanaka Aero AWS	352	11.0	0.5	5.8	+0.1	15.2	29	-3.2	28	30	11	-23	19	1	..
Windsor EWS	81	13.1	-0.3	6.4	-0.1	18.7	20	-4.0	11	2	4	-33	1	1	..
Ranfurly EWS	450	10.5	-1.7	4.4	-0.2	15.8	30	-6.2	22	14	8	-9	5	26	..
Oamaru AWS	40	11.6	2.4	7.0	-0.4	17.8	20	-1.0	11	3	10	-44	1	4	..
Palmerston	21	12.3	0.2	6.3	-0.3	18.0	31	-3.7	23	10	10	-44	3	26	..
Middlemarch EWS	213	12.1	-1.5	5.3	-0.4	18.1	31	-5.6	22	11	6	-42	6	4	163
Swampy Summit AWS	716	7.2	0.9	4.1	+0.2	..	..	..	..	..	..	..	..	..	..
Dunedin Aero AWS	2	12.7	0.7	6.7	+0.2	19.0	31	-4.0	22	35	19	-6	7	4	..
Dunedin, Musselburgh	4	11.9	4.2	8.1	+0.3	17.2	31	0.4	11	42	11	-13	9	2	156
Oamaru EWS	20	11.7	1.6	6.7	+0.2	18.2	20	-2.3	11	1	3	..	1	4	199
Murchison Mtns EWS	1140	3.6	-1.8	0.9	-0.5	7.1	29	-6.1	28	171	29	+14	27	3	..
Te Anau At Park HQ Cw	204	9.6	2.3	6.0	..	14.9	23	-1.9	28	..	..	..	..	..	..
Manapouri, West Arm J	178	8.1	1.4	4.8	-0.1	11.7	29	-2.3	22	261	27	+7	52	1	..
Manapouri Aero AWS	209	10.5	0.1	5.3	+0.0	14.9	29	-4.8	11	91	25	+9	28	1	..
Birchwood WXT AWS	149	11.1	2.5	6.8	+0.5	17.6	23	-0.7	10	114	18	..	27	7	..
Queenstown EWS	322	11.0	2.0	6.5	..	15.5	30	-0.7	11	37	12	..	25	1	..
Queenstown Aero AWS	357	10.2	0.4	5.3	+0.1	14.8	30	-3.8	22	52	17	-1	26	1	..
Five Rivers CWS	260	11.4	0.7	6.1	+0.5	16.1	25	-4.1	22	52	16	..	14	1	..
Lumsden AWS	194	10.8	0.9	5.9	+0.1	16.3	25	-3.1	15	56	21	+0	15	1	..
Waipounamu CWS	152	11.2	0.5	5.9	+0.3	16.6	31	-2.8	11	54	19	..	11	1	..
Cromwell EWS	213	13.0	-1.2	5.9	-0.3	17.9	26	-4.6	22	13	2	-13	13	1	184
Lauder EWS	375	11.2	-1.1	5.1	-0.1	15.9	31	-4.7	22	16	7	-3	8	1	..
Ophir 2	305	11.9	-3.0	4.5	-0.1	16.6	31	-7.0	22	21	5	+4	11	1	..
Alexandra	150	13.3	-1.3	6.0	-0.1	18.6	30	-4.9	22	18	7	+3	11	1	143
Clyde 2 EWS	170	12.8	-2.1	5.4	-0.2	18.4	30	-5.8	22	16	5	-8	14	1	..
Alexandra AWS	231	11.8	-1.2	5.3	-0.1	17.0	30	-4.3	22	16	12	..	11	1	..
Alexandra EWS	132	12.7	-0.9	5.9	..	18.0	30	-4.4	22	15	5	..	10	1	186
Roxburgh WXT AWS	160	11.9	2.6	7.3	+0.1	17.1	30	-2.2	16	37	11	..	19	1	..
Ettrick No.2	91	12.3	0.1	6.2	-0.2	18.0	30	-4.0	16	35	6	+5	19	1	..
Tapanui EWS	180	11.5	0.9	6.2	..	17.6	31	-3.5	16	59	21	..	9	1	..
Waitutu CWS	30	10.7	2.1	6.4	-0.1	15.9	31	-0.9	15	187	25	-14	37	1	..
Gore AWS	123	10.9	2.3	6.6	+0.2	16.4	31	-1.6	16	70	24	+10	12	1	..
Gore EWS	60	11.3	1.8	6.6	..	16.7	31	-2.7	16	52	16	..	12	1	119
Invercargill Aero	1	11.2	2.6	6.9	+0.2	17.2	23	-2.7	16	59	22	-20	8	8	123
Invercargill Aero AWS	3	11.2	2.3	6.8	+0.2	17.3	23	-3.3	16	65	27	-5	8	1	..
Invercargill Aero 2 E		11.1	1.7	6.4	-0.1	17.0	23	-3.6	16	51	20	-12	6	1	129
Tiwai Point EWS	5	11.1	3.5	7.3	-0.1	16.8	23	0.0	14	49	21	-28	9	4	..
Stewart Is	3	11.3	2.8	7.1	-0.1	..	..	-1.0	30	126	..	+10	..	..	..
Stewart Island EWS	3	11.2	3.6	7.4	..	15.7	30	-0.5	28	116	24	..	30	1	..
Balclutha, Telford Ew	11	11.6	1.2	6.4	+0.2	17.6	31	-2.3	16	58	13	+26	17	7	109
Balclutha, Finegand E	6	11.7	1.5	6.6	..	17.8	31	-2.0	16	54	13	..	15	7	..
Nugget Point AWS	131	10.2	4.2	7.2	+0.0	16.6	31	1.8	11	58	18	+9	15	7	..
Tautuku EWS	25	11.6	3.4	7.5	..	17.5	31	-0.5	15	77	16	..	17	7	..
South West Cape AWS	103	10.0	5.8	7.9	-0.1	13.7	31	2.7	10	140	28	+37	18	1	..
Solomon, Taro Is	3	30.0	..	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Munda	6	..	24.6	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	31.8	23.9	27.9	..	..	..	..	..	..	..	..	..	..	..
Solomon, Henderson	9	31.0	23.0	27.0	..	..	..	..	..	..	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine August 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		
Solomon, Santa Cruz	24	29.5	24.6	27.1	..	..	..	..	..	..	..	..	..	..
Vanuatu,Pekoa	56	26.9	22.1	24.5	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	25.7	19.1	22.4	..	..	..	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	..	17.0	..	..	..	..	..	..	..	..	..	..	..
New Cal, Koumac	18	24.4	14.4	19.4	..	..	26.0	23	12.8	2	..	..	..	..
New Cal, Oulop	7	24.8	18.9	21.9	..	..	..	10.7	20	..	..	..	..	..
New Cal, Ouanaham	29	24.1	15.5	19.8	..	..	..	8.3	19	..	..	..	..	..
New Cal, La Roche	42	24.1	13.3	18.7	..	27.2	17	5.7	17	..	..	..	..	..
New Cal, La Tontouta	14	25.0	13.5	19.3	..	30.4	31	8.3	19	..	..	..	..	..
New Cal, Nouma	72	23.9	16.3	20.1	..	26.2	18	..	..	..	..	..	..	..
New Cal, Moue	97	22.3	15.1	18.7	..	24.7	19	10.3	16	..	..	..	..	..
Kiribati,Tarawa	2	..	25.8	..	..	..	..	..	..	..	..	..	..	..
Kiribati, Bonriki Int	4	31.7	25.5	28.6	..	..	..	..	..	..	..	..	..	..
Kiribati,Beru	2	..	26.2	..	..	..	..	..	..	..	..	..	..	..
Kiribati,Arorae	7	32.6	26.0	29.3	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nanumea Is	2	..	26.8	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	32.3	26.9	29.6	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	32.6	27.1	29.9	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	..	25.3	..	..	..	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	28.5	20.0	24.3	..	33.0	24	..	..	..	..	..	..	..
Fiji,Nausori Aero	6	27.2	20.4	23.8	..	59.1	21	..	..	..	..	..	..	..
Wallis Island, Hihifo	27	29.9	25.3	27.6	..	31.0	19	..	..	..	..	..	..	..
Maopoopo, Futuna Isla	36	30.9	26.2	28.6	..	..	..	24.3	1	99	22	..	34	15
Samoa,Faleolo	4	31.7	23.3	27.5	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	30.4	23.7	27.1	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	30.7	25.8	28.3	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	26.4	19.8	23.1	..	..	..	15.1	20	..	..	..	..	..
Vanuatu, Saratamata	18	..	20.7	..	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	29.3	23.2	26.3	..	..	..	..	..	..	..	..	..	..
Society Is, Mopelia		28.4	23.4	25.9	..	30.0	1	20.8	31	..	..	..	..	..
Tahiti - Faaa	1	28.6	22.3	25.5	..	..	..	20.6	22	..	..	..	..	..
Tuamotu, Takaroa	2	29.4	24.4	26.9	..	..	..	22.1	4	..	..	..	..	..
Tuamotu, Hao	3	26.7	23.2	25.0	..	27.9	23	21.3	14	..	..	..	..	..
Gambier, Rikitea	91	22.8	18.5	20.7	..	25.5	8	15.6	18	95	21	..	22	28	
Tubuai	2	26.2	21.2	23.7	..	29.3	26	16.6	11	..	..	..	..	..
Rapa	1	20.3	15.9	18.1	..	..	..	8.9	4	434	19	..	163	26
Raoul Island AWS	50	18.9	12.6	15.8	-0.5	21.7	15	8.9	19	46	21	-86	14	11	
Enderby Is AWS	39	9.0	4.8	6.9	..	10.8	22	0.9	10	112	27	..	22	30	
Campbell Island AWS	16	8.0	3.8	5.9	+0.6	9.8	23	-1.5	19	154	29	+46	19	15	
Chatham Island Aero A	12	12.7	6.6	9.7	+0.7	15.6	2	1.7	8	99	24	+28	20	11	
Georg Von Neumayer	40	-20.5	-31.5	-26.0	..	-9.2	16	-39.4	8	..	..	..	..	..
Ant South Pole	2827	-52.5	-60.9	-56.7	..	-32.5	25	-73.8	10	..	..	..	..	..
Gen Belgrano 2	256	-14.7	-21.9	-18.3	..	-3.5	25	-34.6	17	..	..	..	..	..
Bellingshausen	16	-2.4	-5.1	-3.8	..	..	..	-16.3	5	..	..	..	..	..
Base Jubany	4	-0.7	-6.1	-3.4	..	2.9	19	-15.2	5	..	..	..	..	..
V C Marambio	198	-7.0	-14.1	-10.6	..	1.5	10	-23.7	5	..	..	..	..	..
Eduardo Frei	10	-3.4	-5.9	-4.7	..	..	..	..	..	..	..	..	..	..
Arturo Prat		-2.6	-4.7	-3.7	..	..	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	-4.4	-7.3	-5.9	..	..	..	..	..	..	..	..	..	..
Palmer Station	8	-3.2	-8.3	-5.8	..	..	..	..	..	..	..	..	..	..
Rothera Point	16	-7.4	-13.3	-10.4	..	0.4	17	-18.1	27	..	..	..	..	..
Argentine Is, Faraday	11	-3.7	-8.9	-6.3	..	2.9	31	-13.4	27	..	..	..	..	..
Gen San Martin	4	-7.4	-16.6	-12.0	..	3.9	17	-23.4	30	..	..	..	..	..
Novolax Arevskaja	99	-12.0	-17.5	-14.8	..	-2.1	23	-28.9	16	..	..	..	..	..
Maitri		-11.4	-18.8	-15.1	..	..	..	..	..	..	..	..	..	..
Syowa	21	-11.7	-18.2	-15.0	..	-3.4	22	-32.6	20	..	..	..	..	..
Mawson	16	-16.0	-26.4	-21.2	..	..	..	..	..	..	..	..	..	..
Davis	13	-20.8	-29.1	-25.0	..	..	..	..	..	..	..	..	..	..
Progress	64	-19.8	-22.9	-21.4	..	-12.2	17	-35.0	1	..	..	..	..	..
Mirnyj	30	-18.6	-23.0	-20.8	..	-9.5	16	-36.5	7	..	..	..	..	..
Vostok	3420	-68.6	-72.9	-70.8	..	..	..	..	..	..	..	..	..	..
Casey	41	-13.3	-21.7	-17.5	..	-2.2	15	-30.8	3	..	..	..	..	..
Durmont Durville	43	-14.3	-20.1	-17.2	..	-7.5	7	-30.2	2	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine August 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		
Mcmurdo	24	-27.8	-37.0	-32.4	..	-15.8	29	-47.8	13	..	..	..	..	..
Arrival Heights EWS	187	-28.6	-37.6	-33.1	..	-16.6	28	-50.1	13	..	..	..	..	..
Scott Base 2 EWS	42	-29.3	-41.8	-35.6	..	-16.5	29	-56.3	13	..	..	..	..	..
Darwin Airport	31	32.8	12.7	22.8	..	..	..	..	..	..	..	..	..	..
Late returns and corrections for July 2023															
Auckland, Henderson N	7	15.9	7.6	11.8	+1.2	17.9	16	1.1	29	162	26	-16	53	20	..
Waiheke Island, Awaro	34	16.0	7.2	11.6	+0.5	18.9	16	0.3	29	107	19	-47	51	20	..
Auckland Aero	7	15.2	9.1	12.2	+1.0	17.4	16	3.2	29	98	27	-39	30	20	..
Mt Ruapehu, Chateau E	1097	6.2	..	..	..	..	..	..	..	148	24	-132	17	1	..
Wellington Aero	4	13.5	6.9	10.2	+0.4	17.1	4	2.2	30	85	20	-25	26	23	..
Westport EWS	6	..	..	..	..	..	..	..	..	167	24	..	20	19	129
Milford Sound EWS	3	10.4	2.9	6.7	..	14.7	24	-0.5	6	..	..	..	..	..	..
Boyle River Lodge	600	10.3	..	..	..	15.0	30	-8.0	..	..	..	..	..	..	..
Mt Potts EWS	2128	-0.2	-5.3	-2.8	+0.5	4.5	29	-11.4	23	25	7	..	18	15	..
Mt Somers, Somer Down	372	11.6	1.9	6.8	..	..	..	-2.2	7	..	..	..	..	..	..
Christchurch Aero	37	12.3	0.8	6.6	+0.6	18.5	18	-3.5	13	155	23	+91	86	22	150
Lincoln, Broadfield E	17	12.1	2.3	7.2	..	18.6	18	-2.4	6	126	16	..	68	22	..
Timaru EWS	17	12.0	2.6	7.3	+1.9	18.1	4	-0.5	29	103	9	+61	42	22	..
Windsor EWS	81	13.0	1.0	7.0	+1.8	18.9	18	-3.3	6	55	11	+19	22	23	..
Ranfurly EWS	450	9.8	-1.6	4.1	+1.5	15.9	18	-6.0	7	9	8	-14	3	22	..
Clyde 2 EWS	170	11.4	-1.7	4.9	+1.6	19.0	18	-7.1	22	16	12	-7	3	31	..
Ettrick No.2	91	11.5	0.4	6.0	+1.5	18.0	18	-3.0	7	69	11	+40	22	2	..
Stewart Is	3	11.0	4.3	7.7	+1.2	..	..	0.0	1	163	..	+32	..	..	..
Late returns and corrections for June 2023															
Milford Sound EWS	3	10.6	3.8	7.2	..	16.1	1	-0.5	8	..	..	..	..	..	..
Mt Potts EWS	2128	1.3	-3.2	-1.0	+1.1	11.4	9	-9.5	5	..	..	..	..	..	..
Christchurch, Kyle St	6	12.7	5.5	9.1	+1.9	18.3	2	-1.1	7	42	11	-29	16	27	..
Late returns and corrections for May 2023															
Mt Potts EWS	2128	4.7	-3.9	0.4	+0.2	..	..	..	..	..	..	..	..	..	..
Late returns and corrections for April 2023															
Blenheim Research EWS	4	19.1	9.5	14.3	+0.8	..	..	..	..	36	8	-18	11	18	160
Late returns and corrections for March 2023															
Blenheim Research EWS	4	22.3	10.6	16.5	+0.4	..	..	..	..	56	9	+17	15	13	248
Late returns and corrections for February 2023															
Blenheim Research EWS	4	23.6	14.3	19.0	+1.1	..	..	..	..	40	9	-5	9	25	195
Late returns and corrections for January 2023															
Blenheim Research EWS	4	22.6	13.3	18.0	-0.1	29.7	20	7.6	1	60	7	+17	25	6	214
Late returns and corrections for December 2022															
Blenheim Research EWS	4	21.4	11.8	16.6	-0.2	30.7	29	3.3	10	50	11	+0	14	9	236
Late returns and corrections for November 2022															
Blenheim Research EWS	4	21.3	11.7	16.5	+1.8	27.8	15	6.4	25	73	15	+24	27	18	259
Late returns and corrections for October 2022															
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 Potts EWS	2128	3.0	-4.4	-0.7	-0.8	10.5	23	-16.2	6	..	..	..	..	..	..
Late returns and corrections for September 2022															
Blenheim Research EWS	4	16.1	7.1	11.6	+0.4	20.8	1	-1.5	7	39	14	-15	16	29	196
Mt Potts EWS	2128	1.2	-5.2	-2.0	-0.8	8.1	17	-15.7	6	..	..	..	..	..	..
Late returns and corrections for August 2022															
Blenheim Research EWS	4	14.9	5.5	10.2	+1.0	..	..	..	..	112	11	+54	31	19	157

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 July 2022															
Blenheim Research EWS	4	13.3	4.4	8.9	+0.8	18.0	9	-0.1	17	221	14	+157	52	30	117
Late returns and corrections for June 2022															
Blenheim Research EWS	4	14.3	4.7	9.5	+0.7	18.5	6	-0.4	23	80	14	+11	19	8	139
Late returns and corrections for May 2022															
Blenheim Research EWS	4	18.0	7.0	12.5	+1.3	22.4	5	48	9	-9	11	31	186
Late returns and corrections for April 2022															
Blenheim Research EWS	4	20.4	9.0	14.7	+1.2	3.5	14	10	2	-44	9	21	241
Late returns and corrections for March 2022															
Blenheim Research EWS	4	21.2	11.4	16.3	+0.2	26.4	12	4.8	19	17	6	-22	10	21	240
Late returns and corrections for February 2022															
Blenheim Research EWS	4	21.2	13.4	17.3	-0.6	28.8	1	8.5	27	153	10	+108	65	12	157
Late returns and corrections for January 2022															
Blenheim Research EWS	4	23.7	12.9	18.3	+0.2	13	3	-30	7	25	..

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

No normals are available for stations with only short records.

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

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

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