

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	°C	°C	mm	mm	mm	mm	Hrs		
Cape Reinga AWS	214	18.6	13.0	15.8	+0.2	21.6	14	8.7	20	..	..	..	..	..
Kaitaia Aero EWS	80	20.3	12.5	16.4	+0.6	23.9	14	6.6	20	109	12	+36	35	30	
Kaitaia EWS	85	20.3	12.4	16.4	+0.5	23.9	14	6.0	20	106	12	+24	31	24	
Kerikeri EWS	79	21.3	11.3	16.3	+0.5	23.5	29	6.0	21	93	11	-15	32	30	
Kerikeri Aerodrome Aw	150	21.0	11.1	16.1	+0.4	23.5	29	4.3	20	113	16	-1	29	30	
Kaikohe AWS	204	19.5	11.3	15.4	+0.4	22.5	29	6.6	20	119	16	+23	34	24	
Trounson CWS	244	19.0	10.5	14.8	..	23.6	24	4.3	21	104	14	+2	26	21	
Dargaville 2 EWS	66	20.5	12.1	16.3	+0.7	24.1	14	7.2	21	70	12	+16	21	24	
Purerua AWS	82	19.8	12.2	16.0	..	23.1	28	6.4	20	84	11	..	24	30	
Russell CWS	15	21.1	11.1	16.1	..	24.0	28	5.8	20	73	19	..	17	24	
Whangarei Aero AWS	37	21.2	12.5	16.9	+0.4	25.0	25	7.6	21	118	13	+42	54	26	
Whangarei EWS	12	21.5	11.1	16.3	..	25.1	25	5.2	20	117	10	..	62	26	
Mokohinau AWS	60	19.2	14.5	16.9	+0.5	..	..	9.7	21	..	..	..	..	..
Leigh 2 EWS	27	20.6	13.0	16.8	+0.6	24.0	29	8.5	20	92	14	+23	17	24	
Warkworth EWS	72	20.1	9.7	14.9	-0.3	23.1	26	3.8	20	75	15	-17	19	24	
Whangaparaoa AWS	89	20.2	12.6	16.4	+0.3	23.1	28	8.1	20	62	13	+1	22	24	
Auckland, Whenuapai A	26	20.4	11.1	15.8	+0.4	23.7	9	5.2	20	..	..	..	..	..
Auckland, North Shore	64	20.0	11.1	15.6	..	23.0	28	5.6	20	66	16	..	15	24	
Auckland, Henderson N	7	22.0	11.0	16.5	+0.3	25.8	9	5.4	21	96	17	+1	33	23	
Auckland, Motat EWS	16	20.6	11.8	16.2	..	24.7	28	5.7	21	86	15	..	17	25	
Waiheke Island, Awaro	34	20.8	12.2	16.5	..	..	..	..	..	93	11	+12	28	20
Whitianga Aero AWS	5	20.1	10.7	15.4	-0.4	23.9	28	4.1	2	145	19	+41	33	24	
Whitianga EWS	1	21.1	10.4	15.8	..	24.7	28	3.5	20	153	17	..	30	24	
Thames 2	3	20.8	11.8	16.3	+0.3	24.1	28	5.6	20	99	19	+25	20	28	
Paeroa AWS	18	20.6	10.8	15.7	-0.1	25.0	29	3.8	2	..	..	..	..	..
Toenepi EWS	48	20.0	9.8	14.9	-0.2	26.2	29	1.9	20	..	..	..	..	..
Matamata, Hinuera EWS	85	20.4	9.4	14.9	+0.4	25.3	29	1.6	20	75	16	..	13	25	
Tauranga CWS	3	19.8	13.0	16.4	..	25.6	28	7.0	2	139	16	..	52	24	
Tauranga Aero AWS	4	20.4	12.3	16.4	+0.5	25.7	28	5.7	2	113	15	+39	53	24	
Te Puke EWS	91	20.1	11.1	15.6	+0.7	23.8	28	4.4	21	128	16	+26	38	24	
Whakatane Aero AWS	7	20.2	11.4	15.8	+0.5	23.8	28	5.3	20	84	13	+8	19	25	
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	244
Whakatane EWS	1	20.2	11.7	16.0	..	23.4	28	6.0	20	69	14	..	22	25	
White Island AWS	310	16.5	11.7	14.1	..	20.4	29	8.0	2	55	14	..	11	25	
Mamaku Radar WXT AWS	17	15.2	8.7	12.0	..	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	22.4	11.6	17.0	..	25.2	29	4.0	20	..	..	..	..	185
Rotorua EWS	288	19.4	9.6	14.5	..	23.6	29	0.8	20	114	15	..	25	25	
Rotorua Aero AWS	283	19.1	9.8	14.5	+0.6	22.6	29	1.3	20	113	17	+19	27	25	
Galatea AWS	174	20.0	10.3	15.2	..	..	..	2.7	20	97	15	..	46	25
Taupo CWS	360	19.9	8.9	14.4	..	23.8	14	1.3	20	72	16	..	31	25	
Tarapounamu EWS	701	17.0	8.2	12.6	..	21.1	6	3.3	20	107	19	..	22	25	
Taupo AWS	400	18.4	8.7	13.6	+0.5	..	..	..	..	..	..	..	..	..
Motu EWS	488	17.7	7.8	12.8	+0.8	21.3	17	-0.5	3	148	17	-26	29	25	
Auckland, Mangere EWS	5	20.6	12.7	16.7	+0.6	25.6	29	8.0	20	96	16	+30	17	21	
Auckland Aero	7	20.2	12.7	16.5	+0.3	23.6	29	6.9	21	98	18	+26	20	25	
Auckland Aero Backup	7	20.1	12.8	16.5	..	..	..	..	..	..	..	..	..	..
Ardmore Aero AWS	41	20.6	10.9	15.8	..	..	..	..	..	..	..	..	..	..
Pukekohe EWS	88	20.2	10.8	15.5	+0.4	23.1	29	6.2	21	85	17	-13	21	20	
Firth Of Thames EWS	1	20.3	9.9	15.1	..	23.3	28	2.9	21	..	..	..	..	..
Whatawhata 2 EWS	118	19.4	7.3	13.4	-1.3	25.1	29	1.7	21	149	17	+18	37	21	
Hamilton, Ruakura 2 E	45	21.6	9.6	15.6	+0.7	26.1	29	3.0	20	79	16	-4	25	21	
Hamilton AWS	53	20.4	9.7	15.1	+0.4	24.7	29	2.0	20	92	15	+3	18	20	
Lake Karapiro CWS	55	20.8	11.6	16.2	..	26.2	29	5.9	20	88	21	..	14	27	
Port Taharoa AWS	27	18.4	12.4	15.4	-0.1	23.0	14	7.0	20	106	14	..	30	21	
Waikeria EWS	37	20.9	9.8	15.4	..	25.4	29	2.0	20	84	14	..	13	3	
Te Kuiti EWS	62	20.9	9.3	15.1	+0.3	25.6	29	1.3	20	..	..	..	..	172
Pureora Forest CWS	549	16.6	7.0	11.8	..	20.6	23	-2.0	20	91	20	..	19	25	
Taumarunui EWS	170	19.2	7.7	13.5	..	23.7	13	-0.5	2	..	..	..	..	..
Taumarunui AWS	195	20.5	9.1	14.8	..	24.8	14	0.2	2	91	23	..	23	25	
Turangi 2 EWS	350	19.1	7.4	13.3	+0.0	22.7	14	-0.9	20	85	17	-40	22	25	
New Plymouth AWS	30	18.2	10.8	14.5	+0.3	24.4	28	3.0	20	74	20	-30	11	21	
Lower Retaruke CWS	233	19.6	9.0	14.3	..	24.2	14	1.4	2	102	20	-28	17	14	
Mt Ruapehu, Chateau E	1097	13.0	3.2	8.1	-0.3	16.9	14	-5.0	20	181	25	-55	27	7	

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	Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm		mm	mm	Hrs	
Pahiatua EWS	110	18.7	9.6	14.2	..	24.0	14	0.1	2	115	14	..	36	26	..
Masterton Aero AWS	138	19.7	8.6	14.2	..	24.9	15	2.4	5	161	18	..	45	26	..
Masterton EWS	90	20.1	8.7	14.4	..	25.4	15	3.4	2	197	17	..	74	21	164
Masterton, Te Ore Ore	110	19.7	9.3	14.5	..	26.2	15	3.8	2	155	15	+86	49	21	..
Takapau Plains AWS	330	18.2	8.9	13.6	+0.4	24.2	8	3.4	6	217	17	..	63	25	..
Dannevirke EWS	207	18.2	9.1	13.7	..	22.8	8	2.4	2	101	11	..	26	25	148
Cape Turnagain AWS	292	15.0	11.1	13.1	..	..	..	..	..	..	..	..	..	..	..
Akitio EWS	245	..	..	..	..	..	..	..	..	153	17	..	65	25	181
Castlepoint AWS	120	16.6	11.6	14.1	-0.3	..	..	..	..	123	14	+52	68	26	..
Baring Head	79	16.4	11.0	13.7	..	21.4	30	6.9	2	56	15	..	17	26	..
Te Wharau, Brackenfie	292	18.0	8.8	13.4	..	23.8	15	3.5	11	233	15	..	90	26	..
Martinborough EWS	20	19.7	10.3	15.0	+1.0	24.9	14	..	..	..	..	..	..	..	..
Ngawi AWS	6	19.0	12.7	15.9	+0.5	24.0	14	8.6	20	166	15	..	82	26	..
Hicks Bay AWS	46	19.0	12.2	15.6	+0.4	21.8	27	7.5	21	107	15	+26	23	25	..
Gisborne AWS	5	21.0	11.1	16.1	+0.3	25.1	18	5.4	3	85	16	+22	21	26	243
Gisborne EWS	12	21.7	11.1	16.4	..	26.2	16	5.5	3	97	15	..	19	21	..
Tolaga Bay WXT AWS	12	19.2	10.9	15.1	..	25.9	8	4.9	3	71	17	..	18	1	..
Tutira CWS	235	19.1	10.3	14.7	..	24.3	7	3.5	20	141	16	..	39	27	..
Napier Aero AWS	3	20.7	11.5	16.1	+0.8	28.4	8	5.3	20	108	18	+52	26	25	..
Napier EWS	7	20.8	11.9	16.4	..	28.0	8	5.2	20	93	16	..	24	25	..
Maraekakaho CWS	150	20.7	10.2	15.5	..	28.8	8	3.8	20	103	15	..	42	25	..
Hastings AWS	16	21.1	11.4	16.3	..	29.5	8	5.3	20	70	17	..	22	25	..
Whakatu EWS	5	20.4	10.2	15.3	+0.8	29.3	8	4.6	20	60	15	..	27	25	..
Ashcott Road CWS	212	..	8.6	..	..	..	..	..	..	171	14	..	72	26	..
Waipawa EWS	130	20.1	8.6	14.4	..	27.7	8	3.4	6	83	15	..	29	25	182
Wairoa, North Clyde E	15	21.4	10.9	16.2	+0.5	26.7	8	5.1	3	73	15	-3	15	1	..
Wairoa Aero AWS	13	20.6	10.6	15.6	..	25.1	7	4.3	3	116	18	..	22	27	..
Mahia Radar WXT AWS	419	15.9	10.8	13.4	..	..	..	..	..	..	..	..	..	..	..
Mahia AWS	136	18.3	12.0	15.2	+0.3	26.0	8	7.4	2	68	15	-8	18	25	..
Cape Kidnappers WXT A	118	17.1	12.9	15.0	..	..	..	..	..	..	..	..	..	..	..
Paraparaumu Aero	5	18.6	10.9	14.8	+0.9	23.4	25	6.6	12	98	13	+19	22	2	207
Paraparaumu Aero AWS	5	18.6	11.0	14.8	+0.9	23.5	25	6.9	12	81	12	+1	13	2	229
Paraparaumu EWS	5	18.4	10.6	14.5	..	23.2	25	6.5	12	94	12	+24	17	2	173
Ohakea AWS	50	19.5	11.1	15.3	..	23.6	14	3.7	2	..	..	..	..	..	..
Palmerston North AWS	40	19.9	10.4	15.2	+1.1	24.8	14	1.5	2	79	13	+4	35	25	..
Palmerston North EWS	21	20.0	10.7	15.4	+1.2	24.8	14	1.9	2	84	13	+5	28	25	157
Levin AWS	14	19.4	10.6	15.0	+1.0	24.4	30	3.1	2	79	16	-20	21	26	..
Levin EWS	23	19.3	10.2	14.8	..	24.3	30	2.7	2	91	14	..	22	26	232
Mana Island AWS	100	15.8	11.1	13.5	..	20.1	25	7.4	21	106	16	..	21	25	..
Porirua, Elsdon Park	3	17.9	11.0	14.5	..	22.3	30	5.6	5	104	18	..	17	2	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	180
Wellington, Kelburn A	125	17.2	11.0	14.1	+0.7	21.6	25	7.1	11	132	18	+34	30	9	..
Wellington Aero	4	17.7	11.9	14.8	+0.3	22.3	14	7.4	11	99	19	+24	27	9	..
Wellington, Greta Poi	3	19.1	11.6	15.4	..	24.8	14	7.6	11	97	17	..	23	26	..
Wellington Aero Backu	4	17.8	12.0	14.9	..	..	..	..	..	..	..	..	..	..	..
Upper Hutt, Trentham	50	18.5	8.8	13.7	..	23.3	14	0.4	2	91	19	..	23	9	202
Stratford EWS	300	17.6	8.9	13.3	+0.8	22.1	14	0.9	20	94	17	-58	21	26	183
Hawera AWS	98	17.5	9.9	13.7	+0.6	21.6	8	2.2	20	79	20	-15	16	25	..
Ohakune EWS	607	16.9	5.8	11.4	-0.2	20.6	14	-2.3	20	62	19	-62	15	25	140
Waiouru Treatment Pla	806	16.3	6.2	11.3	+1.1	20.8	14	-0.8	2	104	18	+25	19	30	..
Waiouru Airstrip AWS	818	15.4	5.7	10.6	..	20.1	8	-2.3	2	100	23	..	18	12	..
Waiouru EWS	806	16.1	6.4	11.3	..	20.5	14	-0.5	2	119	19	..	20	30	..
Taihape Rec	433	19.8	8.0	13.9	+0.9	25.0	14	0.5	2	71	18	+2	26	25	..
Flat Hills WXT AWS	263	18.0	9.9	14.0	..	22.0	14	1.7	2	24	19	-61	4	18	..
Wanganui, Spriggens Pa	15	19.5	11.2	15.4	+0.5	25.1	7	3.3	2	54	11	-21	23	25	..
Wanganui AWS	8	19.2	11.3	15.3	+0.8	24.1	7	5.3	2	51	13	-23	19	25	..
Wanganui 2 AWS	18	20.7	11.1	15.9	..	..	..	..	..	..	..	..	..	..	..
Takaka EWS	20	19.1	8.1	13.6	-0.4	23.4	3	3.9	20	62	13	-97	27	8	..
Farewell Spit AWS	3	18.9	12.0	15.5	+0.8	23.1	28	8.0	20	68	14	-12	35	25	..
Westport Aero AWS	2	18.3	9.9	14.1	+0.9	25.7	25	5.0	20	132	15	-36	30	8	..
Westport EWS	6	18.5	10.4	14.5	..	25.5	25	4.9	20	152	16	..	40	8	238
Arapito EWS	18	19.2	9.0	14.1	..	23.9	30	3.1	20	119	14	..	31	3	187
Hokitika Aero	39	17.9	9.1	13.5	+0.9	25.7	25	3.0	19	301	16	+76	69	8	201

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Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm		mm	mm		Hrs	
Lincoln, Broadfield E	18	18.3	8.6	13.5	+0.2	27.8	3	2.2	10	104	12	+55	20	9	220
Sugar Loaf AWS	496	15.4	7.4	11.4	..	23.5	3	0.2	19	..	..	..	..	..	..
Diamond Harbour EWS	122	17.6	9.2	13.4	..	27.3	8	3.5	19	72	13	..	20	20	237
Dorie CWS @ Leferinks	55	18.0	8.1	13.1	..	27.4	15	1.3	10	56	19	..	13	18	..
Akaroa EWS	45	18.6	9.3	14.0	+0.0	28.6	8	4.6	20	140	14	+70	28	18	217
Le Bons Bay AWS	236	14.9	8.7	11.8	-0.2	23.6	8	3.8	19	..	..	..	..	..	..
Lake Tekapo, Air Safa	762	15.6	4.2	9.9	-1.3	23.2	15	-2.6	21	132	15	+91	61	8	..
Lake Tekapo EWS	762	16.0	4.6	10.3	-0.8	23.7	3	-1.8	21	135	12	..	66	8	211
Fairlie AWS	403	15.7	6.4	11.1	..	24.9	7	0.0	10	..	..	..	..	..	..
Pukaki Aerodrome AWS	473	18.1	5.3	11.7	..	25.2	15	-1.2	2	144	13	..	84	8	..
Hakataramea Valley Cw	355	17.6	6.6	12.1	..	26.0	3	0.2	2	158	14	..	60	8	..
Orari Estate	81	17.7	7.5	12.6	-0.2	27.4	7	1.5	10	204	13	+150	58	8	..
Orari Estate CWS	81	17.2	7.4	12.3	..	26.4	7	1.7	10	193	13	..	56	8	..
Timaru Aero AWS	26	17.0	7.3	12.2	-0.1	..	..	0.7	21	..	..	..	63	8	..
Timaru EWS	17	16.2	8.3	12.3	-0.5	25.0	3	1.6	10	164	15	+117	58	8	170
Waimate CWS	39	16.2	8.0	12.1	..	25.4	3	1.5	10	182	13	..	57	8	..
Oamaru Airport AWS	30	15.9	8.2	12.1	+0.1	25.0	3	2.9	2	160	16	+118	49	8	..
Albert Burn	1280	9.8	1.8	5.8	..	15.6	13	-3.9	19	295	22	..	52	3	..
Mt Larkins EWS	1900	4.5	-1.7	1.4	..	10.2	30	-8.5	19	181	20	..	36	7	..
Eglinton, Knobs Flat	365	16.7	5.8	11.3	..	24.2	28	-0.8	2	217	19	..	57	3	..
Tara Hills AWS	488	17.0	5.7	11.4	-0.8	23.5	14	-1.5	21	124	14	+82	70	8	..
Wanaka CWS	331	17.5	7.5	12.5	..	22.4	14	0.9	21	83	12	..	35	8	..
Wanaka Aero AWS	352	18.0	7.2	12.6	-0.4	23.4	14	0.3	21	102	13	+67	39	8	..
Windsor EWS	81	16.1	6.9	11.5	-0.8	25.2	7	1.5	2	214	15	+177	54	8	..
Ranfurly EWS	450	16.4	4.9	10.7	-0.6	23.0	15	-1.2	2	129	12	+93	53	8	..
Oamaru AWS	40	15.7	8.1	11.9	-0.6	24.0	3	3.5	10	226	17	..	52	8	..
Palmerston	21	16.5	7.8	12.2	+0.3	25.6	7	1.5	2	211	20	+168	40	8	125
Middlemarch EWS	213	17.1	6.2	11.7	-0.4	25.2	7	0.5	2	184	18	..	39	8	131
Swampy Summit AWS	722	11.1	4.7	7.9	..	22.9	7	-0.2	19	..	..	..	..	..	..
Dunedin Aero AWS	1	17.4	7.7	12.6	+0.5	26.2	7	2.2	11	..	..	..	..	..	..
Dunedin, Musselburgh	4	15.9	9.5	12.7	+0.3	26.7	7	5.4	10	155	18	+99	24	20	184
Oamaru EWS	20	15.4	8.0	11.7	..	25.2	3	2.1	10	197	15	..	52	8	191
Murchison Mtns EWS	1140	9.9	2.9	6.4	..	16.6	28	-2.8	19	216	20	..	39	3	..
Takahe Valley CWS	895	11.3	2.2	6.8	..	17.2	28	-3.4	1	222	23	..	36	20	..
Te Anau At Park HQ Cw	204	16.5	7.7	12.1	..	23.3	28	0.2	1	..	..	..	..	..	..
Manapouri, West Arm J	178	16.2	7.8	12.0	+1.3	23.3	28	1.6	19	287	22	..	75	3	..
Manapouri Aero AWS	209	17.5	6.1	11.8	+0.8	24.3	28	-1.5	1	126	19	+30	25	3	..
Birchwood WXT AWS	147	17.1	7.5	12.3	..	22.8	7	2.0	2	142	19	..	27	19	..
Queenstown	322	18.7	7.5	13.1	-0.1	25.1	28	0.8	20	132	16	+58	35	8	172
Queenstown EWS	322	18.2	7.0	12.6	..	24.5	28	0.3	20	131	16	..	35	8	..
Queenstown Aero AWS	354	17.1	6.3	11.7	-0.2	22.2	28	0.1	2	91	17	+23	24	8	185
Five Rivers CWS	260	17.1	6.2	11.7	..	22.8	7	0.3	21	176	20	..	33	19	..
Lumsden AWS	187	17.5	6.5	12.0	+0.6	23.0	7	0.7	21	126	18	..	21	7	..
Waipounamu CWS	152	17.6	6.4	12.0	..	24.5	7	0.0	1	143	18	..	25	18	..
Cromwell EWS	213	19.5	6.9	13.2	-0.5	26.2	14	1.0	2	94	14	..	41	8	186
Lauder EWS	375	17.5	5.6	11.6	-0.5	23.9	14	0.0	2	110	12	+69	52	8	..
Ophir 2	305	18.3	4.4	11.4	..	24.1	14	-2.1	1	118	13	..	52	8	..
Alexandra	150	20.5	7.4	14.0	-0.2	26.6	7	0.2	2	88	14	..	40	8	207
Alexandra CWS	140	19.1	7.5	13.3	..	25.8	7	1.5	2	94	17	..	42	8	..
Clyde 2 EWS	170	19.2	6.9	13.1	..	26.2	7	-0.1	2	81	14	..	41	8	..
Alexandra AWS	230	18.2	6.5	12.4	..	24.6	7	0.0	21	83	16	..	39	8	..
Roxburgh WXT AWS	160	17.9	7.5	12.7	..	25.0	7	2.4	21	..	..	..	..	..	..
Ettrick No.2	91	18.6	6.3	12.5	+0.0	26.0	7	1.5	2	130	13	+76	31	19	..
Waitutu CWS	30	17.8	6.7	12.3	..	25.2	7	1.1	10	248	17	..	58	3	..
Winton 2	44	18.3	7.7	13.0	+1.2	25.0	30	3.5	1	128	16	+52	21	8	170
Gore AWS	123	17.1	7.6	12.4	+1.0	23.9	7	3.5	10	139	17	+55	28	18	..
Gore EWS	60	17.4	7.5	12.5	..	23.8	7	1.7	2	120	15	..	21	18	214
Thornbury	20	19.2	7.6	13.4	..	25.2	29	3.0	19	107	16	..	17	8	..
Invercargill Aero	1	17.2	7.6	12.4	+1.0	..	..	..	..	..	..	..	..	..	..
Invercargill Aero AWS	1	17.2	7.6	12.4	+1.0	23.8	7	2.5	10	151	15	..	28	29	..
Invercargill Aero 2 E		17.3	7.5	12.4	..	24.0	7	2.3	10	142	15	..	22	29	235
Tiwai Point EWS	5	16.6	8.6	12.6	+0.8	22.2	7	6.0	1	111	14	+24	21	3	..
Balclutha, Finegand	6	17.8	8.6	13.2	+1.0	..	..	..	..	147	..	+96	29	16	142

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	°C	°C	mm		mm	mm		Hrs	
Novolax Arevskaja	99	-2.9	-8.6	-5.8	..	2.4	27	-14.9	3	..	..	..	..	..
Maitri		-2.2	-9.1	-5.7	..	..	..	..	..	..	..	..	..	..
Syowa	21	-4.4	-9.9	-7.2	..	0.4	30	-21.4	10	..	..	..	..	..
Mawson	16	-4.0	-11.4	-7.7	..	0.1	19	..	..	..	..	..	..	..
Davis	13	-3.8	-9.9	-6.9	..	0.7	25	..	..	..	..	..	..	..
Progress	64	-4.5	-10.0	-7.3	..	..	..	-18.7	14	..	..	..	..	..
Mirnyj	30	..	-11.2	..	..	..	..	-18.2	15	..	..	..	..	..
Vostok	3420	-36.9	-48.6	-42.8	..	-25.9	27	-56.0	6	..	..	..	..	..
Casey	41	-2.3	-7.5	-4.9	..	..	..	..	..	..	..	..	..	..
Wilkins Runway East	755	-7.6	-14.2	-10.9	..	-3.2	29	..	..	..	..	..	..	..
Durmout Durville	43	-2.8	-9.8	-6.3	..	2.0	28	-14.4	8	..	..	..	..	..
Mcmurdo	24	-5.5	-11.0	-8.3	..	..	..	..	..	..	..	..	..	..
Ant Arrival Heights E	218	-6.7	-12.1	-9.4	..	-0.6	25	-19.8	3	..	..	..	..	..
Ant Scott Base EWS	20	-5.9	-13.1	-9.5	..	1.4	25	-19.8	5	..	..	..	..	..
Casey, Skiway South	392	-3.5	-10.5	-7.0	..	..	..	-19.0	16	..	..	..	..	..
Darwin Airport	31	33.5	17.4	25.5	..	..	..	..	..	..	..	..	..	..
Hobart Airport	4	22.8	10.4	16.6	..	..	..	..	..	..	..	..	..	..

Late returns and corrections for October 2018

Cape Reinga AWS	214	17.5	12.0	14.8	+0.3	20.0	7	9.1	13	..	..	..	..	..
Kerikeri Aerodrome Aw	150	19.5	9.2	14.4	+0.4	24.0	26	4.4	14	56	18	-71	16	11
Kaikohe AWS	204	18.0	9.3	13.7	+0.2	22.1	22	5.6	14	62	17	-38	30	11
Purerua AWS	82	18.7	10.4	14.6	..	21.7	28	5.5	14	32	10	..	15	27
Whangarei Aero AWS	37	19.5	10.0	14.8	+0.1	23.0	27	5.7	14	42	12	-42	10	11
Mokohinau AWS	60	17.8	13.2	15.5	+0.6	..	..	..	..	..	..	..	..	..
Whangaparaoa AWS	89	18.6	11.0	14.8	+0.2	21.4	25	7.1	13	74	11	-4	25	11
Auckland, Whenuapai A	26	18.5	8.0	13.3	-0.4	21.8	27	3.6	14	..	..	..	..	..
Whitianga Aero AWS	5	18.9	7.9	13.4	-0.5	23.0	20	1.0	14	54	12	-85	21	27
Thames 2	3	19.2	8.5	13.9	-0.3	22.2	..	2.1	..	86	11	-7	23	27
Paeroa AWS	18	19.0	7.9	13.5	-0.4	22.5	23	1.4	14	74	10	-17	26	27
Tauranga Aero AWS	4	19.3	9.4	14.4	+0.3	22.6	20	4.1	14	79	12	-10	24	11
Whakatane Aero AWS	7	18.8	8.1	13.5	+0.1	22.7	21	1.4	14	77	14	-22	24	27
Mamaku Radar WXT AWS	617	13.7	7.1	10.4	..	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	21.5	8.4	15.0	..	26.5	21	1.7	14	..	..	..	..	232
Rotorua Aero AWS	283	17.6	6.2	11.9	-0.1	21.8	23	-0.4	19	73	10	-37	17	12
Galatea AWS	174	19.1	6.9	13.0	..	24.1	20	-1.3	14	65	13	..	19	27
Taupo AWS	400	16.7	5.6	11.2	+0.1	22.2	23	-3.5	19	53	11	-33	18	29
Auckland Aero	7	18.2	10.4	14.3	-0.2	21.2	27	7.2	15	77	14	-17	19	11
Auckland Aero Backup	7	18.2	10.4	14.3	..	21.0	6	7.0	15	80	15	..	20	11
Ardmore Aero AWS	41	19.3	8.0	13.7	..	..	..	..	..	..	..	..	..	..
Hamilton AWS	53	18.7	6.6	12.7	-0.3	22.3	22	1.2	14	78	9	-20	17	11
Port Taharoa AWS	27	16.7	10.8	13.8	-0.3	20.2	19	..	..	59	11	..	17	12
Taumarunui AWS	195	18.6	6.7	12.7	..	23.4	19	-0.5	15	63	18	..	23	12
New Plymouth AWS	30	16.6	8.2	12.4	-0.3	18.8	21	1.4	14	82	11	-43	19	1
Masterton Aero AWS	138	18.5	4.7	11.6	..	..	..	-3.3	19	50	12	..	16	12
Takapau Plains AWS	330	16.6	6.2	11.4	+0.0	21.1	19	-1.8	19	38	11	..	12	29
Cape Turnagain AWS	292	14.0	9.2	11.6	..	19.6	19	4.2	13	..	..	..	..	..
Akitio EWS	245	14.9	8.0	11.5	..	20.1	19	3.0	13	26	10	..	15	29
Castlepoint AWS	120	16.2	10.4	13.3	+0.3	..	..	5.2	13	48	12	-34	28	29
Ngawi AWS	6	17.4	10.9	14.2	+0.5	..	..	5.6	13	59	13	..	18	29
Hicks Bay AWS	46	17.9	10.5	14.2	+0.4	20.6	25	3.8	14	..	..	..	..	..
Gisborne AWS	5	19.4	8.0	13.7	-0.2	23.7	24	2.9	14	39	8	-31	17	30
Tolaga Bay WXT AWS	12	18.0	8.9	13.5	..	23.6	28	4.6	14	71	20	..	36	12
Napier Aero AWS	3	19.3	7.8	13.6	+0.0	26.5	28	1.4	19	29	7	-42	12	30
Hastings AWS	16	19.7	7.5	13.6	..	25.2	20	0.6	14	22	9	..	13	12
Wairoa Aero AWS	13	18.7	7.1	12.9	..	23.7	28	1.9	15	..	..	..	..	..
Mahia Radar WXT AWS	419	15.4	9.1	12.3	..	20.0	20	4.0	14	..	..	..	..	..
Mahia AWS	136	17.0	10.2	13.6	+0.3	21.6	28	5.6	14	27	10	-52	9	27
Cape Kidnappers WXT A	118	15.9	11.1	13.5	..	19.6	10	5.8	14	..	..	..	..	..
Paraparamu Aero AWS	5	16.1	9.4	12.8	+0.4	19.7	18	0.4	19	78	9	-38	20	29
Ohakea AWS	50	17.0	9.2	13.1	..	20.7	19	2.5	19	..	..	..	..	..
Palmerston North AWS	40	17.4	8.1	12.8	+0.4	21.6	22	-0.8	19	58	12	-26	19	29
Levin AWS	14	16.9	9.0	13.0	+0.5	19.6	11	1.7	19	63	10	-43	22	31

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	°C	°C	mm		mm	mm	Hrs		
Mana Island AWS	100	13.9	9.8	11.9	..	15.8	6	3.7	13	104	12	..	28	29	..
Wellington, Kelburn A	125	15.5	9.7	12.6	+0.6	19.6	22	4.1	14	114	13	-4	35	29	..
Wellington Aero	4	16.1	10.4	13.3	+0.4	20.0	22	4.3	13	82	12	-13	27	29	..
Wellington Aero Backu	4	16.0	10.6	13.3	..	20.0	22	5.0	13	80	13	..	27	29	..
Hawera AWS	98	15.6	7.7	11.7	-0.2	19.6	19	1.1	15	88	10	-22	27	27	..
Waiouru Airstrip AWS	818	13.5	2.5	8.0	..	18.0	22	-4.0	15	31	15	..	9	12	..
Taihape Rec	433	17.9	5.1	11.5	+0.5	..	..	..	..	19	10	-65	6	12	..
Flat Hills WXT AWS	263	16.2	7.9	12.1	..	19.9	22	0.7	15	60	12	-32	22	29	..
Wanganui AWS	8	16.7	9.1	12.9	-0.1	20.7	11	2.3	19	83	9	-10	27	12	..
Wanganui 2 AWS	18	18.3	8.6	13.5	..	..	..	..	..	..	..	..	..	..	..
Farewell Spit AWS	3	17.7	10.5	14.1	+1.0	21.0	7	5.9	14	65	12	-33	15	11	..
Westport Aero AWS	2	15.6	8.6	12.1	+0.3	17.7	21	2.4	13	90	15	-119	18	1	..
Hokitika AWS	38	15.0	8.0	11.5	+0.4	17.7	22	0.7	13	188	21	-85	38	25	191
Haast AWS	5	14.5	7.4	11.0	+0.7	..	..	..	..	..	..	..	..	..	..
Milford Sound AWS	3	15.0	6.5	10.8	+0.4	19.4	29	0.1	13	367	22	..	84	23	..
Secretary Island AWS	19	14.2	7.9	11.1	+0.2	..	..	3.2	13	..	..	..	..	..	..
Stephens Island	187	..	9.3	..	..	18.3	21	5.5	13	50	10	..	20	11	..
Stephens Island AWS	180	14.7	9.8	12.3	..	17.6	21	5.6	13	49	13	..	19	27	..
Pelorus Sd, Crail Bay	13	17.4	9.6	13.5	+0.5	20.1	20	4.0	14	91	10	-101	61	11	..
Nelson AWS	4	16.8	9.0	12.9	+0.4	21.5	17	2.7	13	77	10	..	37	11	..
Blenheim Aero AWS	35	18.9	6.7	12.8	+0.5	26.1	24	-0.7	13	37	9	-29	12	11	..
Brothers Island AWS	68	14.6	10.7	12.7	+0.2	17.9	5	4.5	13	65	11	..	16	11	..
Cape Campbell AWS	2	14.4	10.1	12.3	+0.1	17.7	10	3.9	13	36	9	-6	11	25	..
Boyle River Lodge	600	18.4	4.2	11.3	+1.8	..	..	..	..	53	16	-181	19	25	..
Kaikoura AWS	105	15.1	8.6	11.9	+0.2	21.3	24	2.9	13	86	13	+23	23	12	..
Arthurs Pass AWS	743	11.8	3.8	7.8	..	21.5	22	-2.8	13	177	18	..	45	11	..
Culverden AWS	181	17.6	5.6	11.6	..	26.8	23	-0.7	15	..	..	..	..	..	..
Mt Cook Aero AWS	659	15.8	3.1	9.5	..	26.1	23	-7.5	13	124	11	..	34	10	..
Ashburton Aero AWS	89	16.7	4.7	10.7	..	28.8	24	-1.0	15	80	15	..	14	11	227
Christchurch Aero	37	16.8	5.5	11.2	-0.2	24.8	20	-0.5	15	78	18	+29	19	29	209
Christchurch Aero Bac	37	16.6	5.5	11.1	..	25.0	20	-1.0	15	78	16	..	19	29	..
Le Bons Bay AWS	236	13.3	7.5	10.4	-0.1	20.6	24	2.4	13	..	..	..	..	..	..
Fairlie AWS	403	15.3	4.6	10.0	..	25.7	24	-1.4	13	111	19	..	20	29	..
Pukaki Aerodrome AWS	473	18.4	3.0	10.7	..	28.0	23	-3.8	13	82	11	..	22	11	..
Timaru Aero AWS	26	16.0	4.3	10.2	-0.2	22.9	24	-1.6	15	54	10	+5	17	25	..
Oamaru Airport AWS	30	15.2	5.7	10.5	+0.2	22.7	17	1.0	15	43	11	+10	13	25	..
Tara Hills AWS	488	17.3	3.8	10.6	+0.8	27.2	23	-3.3	13	78	11	+40	23	25	..
Wanaka Aero AWS	352	16.9	5.6	11.3	+0.8	25.9	23	-2.8	13	34	9	-14	9	24	..
Oamaru AWS	40	15.1	5.9	10.5	-0.3	22.9	17	1.1	31	44	17	..	13	25	..
Dunedin Aero AWS	1	16.4	5.2	10.8	+0.5	24.2	24	-0.8	31	72	19	+14	11	29	..
Manapouri Aero AWS	209	14.8	3.4	9.1	-0.2	24.0	22	-4.6	13	102	16	-4	38	10	..
Birchwood WXT AWS	147	14.6	5.3	10.0	..	22.8	21	0.0	11	87	20	..	22	10	..
Queenstown Aero AWS	354	15.8	4.0	9.9	+0.1	22.7	22	-4.2	13	31	9	-35	10	24	230
Lumsden AWS	187	15.1	5.0	10.1	+0.3	23.8	21	-0.9	3	84	18	..	18	10	..
Alexandra AWS	230	17.7	4.9	11.3	..	26.3	23	-2.7	13	41	11	..	10	10	..
Roxburgh WXT AWS	160	16.7	6.4	11.6	..	26.1	21	1.8	3	53	16	..	15	24	..
Gore AWS	123	15.0	5.7	10.4	+0.5	22.8	22	-1.1	11	100	16	+23	25	10	..
Thornbury	20	16.7	5.9	11.3	..	24.6	23	-2.2	11	86	16	..	18	10	..
Invercargill Aero AWS	1	14.8	5.6	10.2	+0.3	23.6	23	-1.7	11	79	18	..	14	10	..
Balclutha, Finegand	6	..	6.5	..	..	..	..	1.0	1	45	14	-16	9	10	142
Nugget Point AWS	129	13.6	6.8	10.2	+0.3	21.6	24	2.3	31	62	21	-9	13	29	..
South West Cape AWS	101	12.6	7.6	10.1	+0.5	18.4	22	3.7	12	..	..	..	..	..	..
Solomon, Munda	6	..	24.4	..	..	..	..	..	..	199	21	..	41	5	..
Solomon, Honiara	56	32.5	24.3	28.4	..	..	..	..	..	56	11	..	15	27	..
Solomon, Henderson	9	32.2	23.0	27.6	..	..	..	21.2	31	..	..	..	..	..	..
Solomon, Santa Cruz	24	31.1	24.2	27.7	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Sola	13	..	24.0	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Pekoa	56	30.8	20.5	25.7	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Lamap	22	..	23.5	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	28.6	20.4	24.5	..	31.7	19	..	..	..	..	..	..	..	..
Vanuatu, Aneityum	6	..	19.7	..	..	..	..	..	..	..	..	..	..	..	..
New Cal, Oulop	7	27.4	19.9	23.7	..	29.8	29	11.8	4
New Cal, Ouanaham	29	26.8	18.3	22.6	..	29.3	28	9.9	4

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		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm		mm	mm		Hrs	
New Cal, La Roche	42	27.0	17.2	22.1	..	32.0	28	12.3	4	
New Cal, La Tontouta	14	29.4	18.1	23.8	..	33.4	24	15.2	8	..	..	..	..	..
New Cal, Nouma	72	27.2	20.3	23.8	..	30.1	22	17.9	5	7	9	..	4	17	
New Cal, Moue	97	25.3	19.4	22.4	..	27.4	19	17.2	30	..	..	..	..	..
Kiribati, Tarawa	2	..	26.5	..	..	..	..	..	..	..	..	..	..	..
Kiribati, Bonriki Int	4	32.3	25.9	29.1	..	34.1	16	23.5	22	..	..	..	..	..
Kiribati, Beru	2	33.4	26.4	29.9	..	..	..	..	..	..	..	..	..	..
Fiji, Nadi Aero	15	30.3	22.5	26.4	..	33.5	4	..	..	..	..	..	..	..
Fiji, Nausori Aero	6	28.0	22.4	25.2	..	31.5	4	19.3	30	..	..	..	..	..
Wallis Island, Hihifo	27	30.2	25.1	27.7	..	31.5	11	23.0	25	..	..	..	..	..
Samoa, Faleolo	4	31.4	23.8	27.6	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	30.1	24.5	27.3	..	31.5	27	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	29.9	25.4	27.7	..	..	..	..	..	..	..	..	..	..
Tonga, Queen Lavinia	60	30.2	23.7	27.0	..	..	..	..	..	..	..	..	..	..
Tonga, Keppel	2	28.9	24.8	26.9	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	..	22.6	..	..	..	..	..	..	..	..	..	..	..
Salote Pilolevu Airpo	2	27.2	23.0	25.1	..	..	..	..	..	..	..	..	..	..
Tonga, Fuaamotu Aero	38	27.0	21.3	24.2	..	30.2	5	..	..	..	..	..	..	..
CI Rarotonga Aero	7	..	21.4	..	..	..	..	..	..	..	..	..	..	..
Rarotonga EWS	7	25.7	20.7	23.2	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	30.4	22.9	26.7	..	31.6	7	21.4	2	61	19	..	14	27	
Tahiti - Faaa	1	30.1	23.4	26.8	..	31.6	9	20.5	4	..	..	..	..	..
Tuamotu, Takaroa	2	30.1	25.1	27.6	..	31.0	22	22.7	5	24	15	..	7	3	
Tuamotu, Hao	3	28.3	23.9	26.1	..	29.5	29	21.4	2	..	..	..	..	..
Gambier, Rikitea	91	23.8	19.6	21.7	..	..	..	15.8	3	170	19	..	29	31
Tubuai	2	23.8	18.3	21.1	..	26.5	15	13.9	22	..	..	..	..	..
Rapa	1	20.8	15.6	18.2	..	22.7	15	11.3	18	96	15	..	56	8	
Raoul Island AWS	49	20.8	15.1	18.0	..	22.8	5	11.8	18	73	15	..	30	29	
Enderby Is AWS	40	9.7	5.6	7.7	..	12.3	15	-0.1	12	5	6	..	2	5	
Chatham Island Aero A	12	15.1	8.1	11.6	..	19.4	5	-0.7	4	65	21	..	18	28	
Georg Von Neumayer	40	-17.3	-25.3	-21.3	..	-8.4	27	-43.5	9	..	..	..	..	..
Ant South Pole	2827	-43.6	-49.9	-46.8	..	-30.5	12	-62.6	3	..	..	..	..	..
Gen Belgrano 2	256	-11.1	-20.6	-15.9	..	-1.2	12	-30.5	4	..	..	..	..	..
Bellingshausen	16	-0.7	-3.7	-2.2	..	4.2	25	-8.9	2	..	..	..	..	..
Base Jubany	4	0.3	-3.3	-1.5	..	4.5	27	-8.0	14	..	..	..	..	..
V C Marambio	198	-1.9	-9.6	-5.8	..	7.5	20	-19.6	15	..	..	..	..	..
Eduardo Frei	10	-1.7	-4.0	-2.9	..	..	..	..	..	..	..	..	..	..
Arturo Prat		0.2	-3.5	-1.7	..	4.5	19	-11.4	2	..	..	..	..	..
Great Wall	10	0.5	-3.8	-1.7	..	7.6	26	..	..	..	..	..	..	..
Bernado Ohiggins	10	-1.3	-3.9	-2.6	..	..	..	-9.9	14	..	..	..	..	..
Palmer Station	8	-1.2	-5.7	-3.5	..	..	..	..	..	..	..	..	..	..
Rothera Point	16	-1.3	-6.0	-3.7	..	3.4	27	-19.2	5	..	..	..	..	..
Argentine Is, Faraday	11	0.8	-6.3	-2.8	..	7.9	9	-15.8	1	..	..	..	..	..
Gen San Martin	4	-0.4	-8.1	-4.3	..	6.5	31	-23.4	5	..	..	..	..	..
King Sejong	11	0.3	-4.2	-2.0	..	..	..	..	..	..	..	..	..	..
Novolax Arevskaja	99	-11.7	-17.7	-14.7	..	-3.1	30	-26.2	6	..	..	..	..	..
Maitri		-10.8	-17.9	-14.4	..	..	..	..	..	..	..	..	..	..
Syowa	21	-12.7	-21.1	-16.9	..	-2.4	19	-32.8	1	..	..	..	..	..
Mawson	16	-8.3	-17.0	-12.7	..	..	..	..	..	..	..	..	..	..
Davis	13	-8.1	-16.2	-12.2	..	-0.3	16	-26.7	5	..	..	..	..	..
Progress	64	-9.4	-14.5	-12.0	..	..	..	..	..	..	..	..	..	..
Mirnyj	30	-10.6	-17.0	-13.8	..	-2.1	28	-31.0	2	..	..	..	..	..
Vostok	3420	-48.6	-59.4	-54.0	..	-39.8	27	-68.6	5	..	..	..	..	..
Casey	41	-7.3	-15.0	-11.2	..	..	..	..	..	..	..	..	..	..
Durmont Durville	43	-9.3	-17.2	-13.3	..	-3.9	28	-25.8	4	..	..	..	..	..
Mcmurdo	24	-11.4	-18.4	-14.9	..	0.0	29	-28.9	18	..	..	..	..	..
Casey, Skiway South	392	-8.9	-16.3	-12.6	..	..	..	..	..	..	..	..	..	..
Darwin Airport	31	34.2	15.1	24.7	..	36.2	31	11.8	18	..	..	..	..	..
Hobart Airport	4	22.2	8.5	15.4	..	34.8	23	2.1	4	36	9	..	21	17	

Late returns and corrections for September 2018

Milford Sound	3	13.8	4.0	8.9	+0.3	17.4	4	0.4	8	506	20	-45	182	29	..
Pelorus Sd, Crail Bay	13	15.4	8.0	11.7	+0.2	20.5	14	..	..	87	..	-71	26	2	..

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	
Stewart Is	3	13.8	..	..	..	20.0	15	..	..	70	13	-53	20	23	..
Solomon, Honiara	56	31.9	23.9	27.9	..	..	..	..	..	..	..	..	..	..	..
Late returns and corrections for August 2018															
Stewart Is	3	12.3	..	..	..	17.0	27	..	..	31	11	-85	9	9	..
Late returns and corrections for May 2017															
Campbell Island AWS	19	8.6	5.8	7.2	+1.0	10.6	2	-1.7	20	89	28	-44	9	18	..
Late returns and corrections for April 2017															
Campbell Island AWS	19	9.8	6.8	8.3	+0.7	11.8	1	2.9	30	152	27	+29	24	14	..
Late returns and corrections for March 2017															
Campbell Island AWS	19	10.7	7.2	9.0	+0.4	14.6	30	3.8	13	84	25	-40	16	2	..
Late returns and corrections for February 2017															
Campbell Island AWS	19	12.2	8.1	10.2	+0.7	17.5	20	4.8	8	79	24	-27	10	6	..
Late returns and corrections for January 2017															
Campbell Island AWS	19	10.6	6.2	8.4	-1.2	12.8	10	1.6	19	209	28	+89	30	1	..

The 'Normal' refers to the present site of the instruments. Standard period for normals is 1981-2010.

No normals are available for stations with only short records.

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

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

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