



Climate Database Statistics Report

February 2021

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

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	214	23.2	16.8	20.0	+0.3	25.8	5	15.3	2	..	..	..	..	..
Kaitaia Aero EWS	80	24.7	15.6	20.2	+0.1	27.0	26	11.4	1	125	9	+5	80	14	
Kaitaia Aero AWS	82	24.4	15.1	19.8	..	..	..	..	..	..	..	..	..	..
Kaitaia EWS	85	24.4	15.7	20.1	+0.2	26.2	2	11.5	1	122	11	+13	66	14	
Kerikeri EWS	79	24.0	14.3	19.2	-0.5	26.4	16	9.8	21	158	12	+38	124	14	
Kerikeri Aerodrome Aw	150	23.6	14.5	19.1	-0.4	26.1	3	10.8	21	167	14	+50	125	14	
Kaikohe AWS	204	23.4	14.2	18.8	-0.2	..	..	11.0	13	140	14	+34	108	14
Trounson CWS	244	23.7	13.4	18.6	..	26.5	26	8.6	12	69	9	-35	60	14	
Dargaville 2 EWS	66	24.6	14.4	19.5	+0.0	27.1	24	11.1	1	47	7	-43	35	14	
Purerua AWS	82	23.1	16.0	19.6	..	..	..	12.7	1	88	13	..	62	14
Russell CWS	15	24.3	14.9	19.6	..	27.4	16	9.8	13	123	10	..	100	14	
Whangarei Aero AWS	37	24.7	15.9	20.3	+0.1	27.1	3	11.5	13	98	11	+0	63	14	
Whangarei EWS	12	25.5	14.4	20.0	..	28.1	3	8.7	13	87	8	..	59	14	
Mokohinau AWS	60	22.5	18.1	20.3	+0.0	24.0	4	16.3	12	..	..	..	..	..
Leigh 2 EWS	27	25.3	17.3	21.3	+1.2	28.2	3	13.1	12	58	9	-12	32	14	
Whangaparaoa AWS	89	24.2	16.9	20.6	+0.4	..	..	14.7	12	47	6	-10	25	14
Auckland, Whenuapai A	26	24.9	13.8	19.4	-0.1	26.6	4	9.1	19	62	7	..	33	15	
Auckland, North Shore	64	24.3	15.0	19.7	..	27.7	20	10.2	13	77	6	..	41	15	
Auckland, Henderson N	7	26.3	14.0	20.2	+0.2	28.6	3	9.8	19	60	7	-10	33	15	
Auckland, Motat EWS	16	24.7	15.3	20.0	..	26.7	3	10.6	19	65	7	..	41	15	
Waiheke Island, Awaro	34	25.4	14.9	20.2	..	27.5	13	9.5	19	80	5	+6	52	15	
Whitianga Aero AWS	5	23.5	14.2	18.9	-0.4	27.0	20	9.5	19	127	13	+15	63	15	
Whitianga EWS	1	24.0	13.7	18.9	..	27.8	19	8.2	19	126	10	..	64	15	
Thames 2	3	24.8	14.3	19.6	-0.2	26.2	20	10.4	19	49	11	-21	30	15	
Paeroa AWS	18	26.4	13.7	20.1	+0.3	29.7	20	7.8	18	32	7	-53	16	15	
Matamata, Hinuera EWS	85	27.3	11.8	19.6	+1.2	30.9	21	6.7	18	17	4	..	13	15	
Tauranga CWS	3	23.0	15.8	19.4	..	27.0	12	10.3	18	82	8	..	64	15	
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tauranga Aero AWS	4	23.9	15.7	19.8	+0.0	27.0	12	10.1	18	63	6	-23	49	15	
Te Puke EWS	91	24.0	13.9	19.0	+0.3	..	..	..	..	133	10	+18	103	15
Whakatane Aero AWS	7	23.8	14.1	19.0	-0.2	26.2	6	7.6	18	72	7	-11	47	15	
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..
Whakatane EWS	1	24.1	14.1	19.1	..	27.8	4	7.7	5	..	..	..	..	..
Mamaku Radar WXT AWS	17	20.3	12.1	16.2	..	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	24.7	13.1	18.9	..	28.8	20	6.8	18	..	..	..	..	..
Rotorua EWS	288	23.6	12.8	18.2	..	28.8	20	7.1	19	68	8	..	30	15	
Rotorua Aero AWS	283	23.3	12.4	17.9	+0.0	27.5	20	7.0	18	69	8	-26	37	15	
Galatea AWS	174	23.6	12.2	17.9	..	29.2	20	5.4	19	..	..	..	..	..
Taupo CWS	360	25.5	11.5	18.5	..	31.3	20	6.4	5	..	..	..	..	..
Tarapounamu EWS	701	20.4	9.9	15.2	..	27.5	20	6.1	5	59	8	..	33	15	
Taupo AWS	400	23.4	10.4	16.9	-0.2	28.4	20	4.7	18	10	4	-59	7	15	
Motu EWS	488	22.0	9.1	15.6	-0.2	28.2	21	1.0	3	87	8	-40	41	15	
Auckland, Mangere 2 E	16	24.6	15.8	20.2	..	26.4	4	11.5	19	59	6	..	34	15	
Auckland Aero	7	25.1	15.9	20.5	+0.2	27.2	4	11.6	13	49	5	-22	27	15	
Auckland Aero Backup	7	24.9	15.9	20.4	..	27.2	14	11.9	13	42	6	..	19	15	
Ardmore Aero AWS	41	25.1	13.3	19.2	..	..	..	..	..	..	..	..	..	..
Pukekohe EWS	88	25.1	14.0	19.6	+0.5	27.6	14	10.2	13	37	5	-27	17	14	
Firth Of Thames EWS	3	25.8	12.1	19.0	..	27.8	20	6.3	13	..	..	..	..	..
Whatawhata 2 EWS	118	25.7	12.2	19.0	+0.3	29.4	4	9.3	1	43	6	-39	14	15	
Hamilton, Ruakura 2 E	45	26.7	12.5	19.6	+0.8	30.0	4	7.8	19	24	4	-46	11	15	
Hamilton AWS	53	26.4	11.9	19.2	+0.4	29.6	4	6.7	18	42	5	-32	16	15	
Lake Karapiro CWS	55	26.6	14.8	20.7	..	30.7	21	9.8	18	12	6	..	6	15	
Awakino EWS	400	21.3	11.0	16.2	..	24.4	4	6.6	18	40	4	..	18	10	
Te Kuiti EWS	61	26.7	10.7	18.7	+0.0	30.4	4	4.2	18	32	5	-61	15	15	
Pureora Forest CWS	549	22.6	9.9	16.3	..	26.7	21	4.5	19	28	4	..	15	10	
Taumarunui EWS	170	26.6	10.5	18.6	..	30.0	3	3.6	18	33	4	..	12	15	
Taumarunui AWS	195	26.7	9.8	18.3	..	30.5	21	2.5	18	37	4	..	21	15	
Turangangi 2 EWS	360	24.6	10.1	17.4	+0.2	29.8	20	0.8	18	17	3	-92	12	15	
New Plymouth AWS	30	22.3	12.2	17.3	-0.8	26.6	4	7.2	19	44	5	-52	26	15	
Lower Retaruke CWS	233	25.5	10.6	18.1	..	29.3	21	3.5	18	28	6	-71	12	15	
Mt Ruapehu, Chateau E	1097	19.8	6.5	13.2	+0.6	24.4	20	1.9	18	42	3	-125	21	9	
Pahiatua EWS	110	24.8	8.3	16.6	..	29.1	3	..	..	36	2	..	35	15
Masterton Aero AWS	138	24.9	9.8	17.4	..	31.0	21	3.2	12	44	4	..	37	15	

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		
Solomon, Taro Is	3	31.7	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Munda	6	..	24.7	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	30.9	24.3	27.6	..	..	..	..	..	..	..	..	..	..
Solomon, Henderson	9	31.1	24.0	27.6	..	..	..	..	..	..	..	..	..	..
Vanuatu,Sola	13	..	24.2	..	..	..	..	..	168	21	..	36	2	..
Vanuatu,Pekoa	56	..	22.9	..	..	..	20.8	9	218	20	..	59	1	..
Vanuatu, Bauerfield	20	31.5	22.2	26.9	..	..	20.0	1	158	13	..	67	19	..
Vanuatu,Burtonfield	70	31.1	23.1	27.1	..	..	..	..	90	14	..	40	2	..
New Cal, Oulop	7	30.5	23.5	27.0	..	..	19.2	14	..	..	..	..	..	..
New Cal, Ouanaham	29	30.1	22.6	26.4	..	..	17.5	9	..	..	..	..	..	..
New Cal, La Roche	42	30.5	22.0	26.3	..	..	..	..	..	..	..	..	..	..
New Cal, La Tontouta	14	30.9	22.1	26.5	..	..	18.0	28	..	..	..	..	..	..
New Cal, Nouma	72	31.0	23.4	27.2	..	33.7	20	21.0	3	65	14	..	18	17	
New Cal, Moue	97	29.3	23.3	26.3	..	..	20.8	13	..	..	..	..	..	..
Kiribati,Butaritari	2	30.8	25.1	28.0	..	32.0	9	24.0	11	..	..	..	..	..
Kiribati,Tarawa	2	..	25.8	..	..	..	..	..	..	..	..	..	..	..
Kiribati, Bonriki Int	4	30.3	26.3	28.3	..	..	23.4	15	..	..	..	..	..	..
Kiribati,Beru	2	..	25.7	..	..	..	..	..	..	..	..	..	..	..
Kiribati,Arorae	7	31.6	26.3	29.0	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nanumea Is	2	..	26.2	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	..	25.3	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	..	25.2	..	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	..	24.9	..	..	..	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	31.0	24.1	27.6	..	33.3	17	..	..	..	..	..	..	..
Fiji,Nausori Aero	6	31.2	23.5	27.4	..	32.8	10	21.4	1	..	..	..	..	..
Wallis Island, Hihifo	27	29.5	24.2	26.9	..	..	21.7	26	..	..	..	..	..	..
Maopopo, Futuna Isla	36	30.1	24.3	27.2	..	31.5	14	22.5	26	..	..	..	..	..
Samoa,Faleolo	4	30.4	24.1	27.3	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	29.1	24.3	26.7	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	30.4	25.1	27.8	..	31.8	28	23.9	6	..	..	..	..	..
Tonga, Queen Lavinia	60	29.8	23.9	26.9	..	..	22.4	2	..	..	..	..	..	..
Tonga,Keppel	2	30.1	24.2	27.2	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	29.0	23.1	26.1	..	30.5	18	20.4	19	..	..	..	..	..
Salote Pilolevu Airpo	2	29.3	24.4	26.9	..	..	20.3	21	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	29.4	23.6	26.5	..	31.1	17	20.1	28	..	..	..	..	..
Niue, Hanan Airport O	59	..	22.2	..	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	29.6	23.7	26.7	..	..	..	..	..	..	..	..	..	..
Vanuatu, Saratamata	18	..	24.6	..	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	31.4	23.9	27.7	..	34.4	24	22.1	14	14	7	..	7	8	
Society Is, Mopelia		30.3	24.5	27.4	..	..	21.2	6	..	..	..	..	..	..
Tahiti - Faaa	1	30.6	23.6	27.1	..	32.5	2	20.9	12	..	..	..	..	..
Tuamotu, Takaroa	2	31.3	25.5	28.4	..	32.0	17	22.8	21	11	13	..	4	12	
Tuamotu, Hao	3	29.9	25.7	27.8	..	31.0	17	23.1	5	..	..	..	..	..
Gambier, Rikitea	91	28.4	22.8	25.6	..	..	19.9	19	151	20	..	36	8	..
Tubuai	2	29.6	23.1	26.4	..	30.9	8	19.8	19	..	..	..	..	..
Rapa	1	27.8	23.0	25.4	..	30.3	6	20.8	13	261	23	..	85	12	
Enderby Is AWS	40	14.1	9.2	11.7	..	49.0	27	5.6	16	146	23	..	30	10	
Campbell Island AWS	19	12.7	8.1	10.4	+0.9	15.6	28	0.2	25	161	22	+55	33	9	
Chatham Island Aero A	12	19.8	13.0	16.4	..	23.7	21	7.9	28	44	13	..	11	11	
Georg Von Neumayer	40	-7.4	-14.4	-10.9	..	-1.6	8	-23.3	13	..	..	..	..	..
Ant South Pole	2827	-40.0	-43.5	-41.8	..	-27.8	1	-53.5	27	..	..	..	..	..
Halley Bay	30	-7.4	-14.8	-11.1	..	-2.8	3	-22.4	13	..	..	..	..	..
Gen Belgrano 2	256	-1.2	-9.7	-5.5	..	3.6	1	-13.5	20	..	..	..	..	..
Bellingshausen	16	3.4	0.9	2.2	..	6.3	11	-2.0	22	..	..	..	..	..
Base Jubany	4	4.5	1.0	2.8	..	12.0	11	-2.3	22	..	..	..	..	..
V C Marambio	198	3.4	-2.1	0.7	..	12.6	10	-7.2	23	..	..	..	..	..
Eduardo Frei	10	3.0	0.7	1.9	..	5.4	11	-2.2	22	..	..	..	..	..
Arturo Prat		3.8	0.9	2.4	..	5.9	9	..	..	..	..	..	..	..
Great Wall	10	4.4	0.8	2.6	..	..	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	2.2	-0.3	1.0	..	..	..	..	..	..	..	..	..	..
Palmer Station	8	3.7	0.5	2.1	..	..	..	..	..	..	..	..	..	..
Rothera Point	16	2.7	-0.4	1.2	..	4.8	10	-3.5	28	..	..	..	..	..
Argentine Is, Faraday	11	3.1	-0.5	1.3	..	11.3	11	-2.8	3	..	..	..	..	..

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	mm	mm	mm	mm	Hrs			
Gen San Martin	4	4.2	-1.4	1.4	..	11.6	11	-5.2	28	..	..	..	..	..
Novolax Arevskaja	99	-2.2	-7.3	-4.8	..	1.3	1	-10.5	24	..	..	..	..	..
Maitri		-1.0	-7.2	-4.1	..	..	..	..	..	..	..	..	..	..
Syowa	21	-1.8	-7.2	-4.5	..	2.8	9	-11.3	28	..	..	..	..	..
Mawson	16	-1.9	-8.4	-5.2	..	2.2	1	-13.5	15	..	..	..	..	..
Davis	13	-0.3	-4.7	-2.5	..	2.0	3	-9.8	28	..	..	..	..	..
Progress	64	-1.6	-5.5	-3.6	..	0.7	4	-10.5	17	..	..	..	..	..
Mirnyj	30	-1.9	-7.7	-4.8	..	..	..	-12.8	27	..	..	..	..	..
Vostok	3420	-39.6	-50.4	-45.0	..	..	..	..	..	..	..	..	..	..
Casey	41	0.1	-4.8	-2.4	..	..	..	..	..	..	..	..	..	..
Durmont Durville	43	-2.1	-8.4	-5.3	..	3.5	2	-17.1	25	..	..	..	..	..
Mcmurdo	24	-6.1	-11.8	-9.0	..	..	..	-19.7	28	..	..	..	..	..
Ant Arrival Heights E	218	-8.3	-14.4	-11.4	..	-1.4	1	-21.5	28	..	..	..	..	..
Ant Scott Base EWS	20	-7.3	-15.0	-11.2	..	-0.1	14	-24.3	26	..	..	..	..	..
Scott Base 2 EWS	43	-6.8	-14.7	-10.8	..	-0.1	14	-23.6	26	..	..	..	..	..
Darwin Airport	31	29.9	18.0	24.0	..	33.0	18	11.5	5	..	..	..	..	..
Hobart Airport	4	29.9	12.0	21.0	..	33.0	18	6.9	24	46	15	..	16	5	

Late returns and corrections for January 2021

Warkworth EWS	72	..	12.9	..	..	..	..	..	..	86	12	+0	45	2	..
Waiheke Island, Awaro	34	25.1	14.6	19.9	..	30.0	27	9.5	21	55	7	-21	27	7	..
Turangi 2 EWS	360	23.9	11.1	17.5	+0.4	30.8	26	2.1	31	79	11	-30	23	2	267
Dannevirke EWS	207	22.7	12.7	17.7	..	28.8	26	5.9	30	74	9	..	49	3	217
Gisborne EWS	12	26.4	14.7	20.6	..	36.4	27	9.4	21	24	11	..	8	8	..
Whakatu EWS	5	24.4	11.3	17.9	+0.2	..	..	6.6	21	8	4	..	5	2	..
Taihape Rec	433	24.3	11.1	17.7	+1.0	33.5	27	2.0	31	75	15	+5	39	3	..
Pelorus Sd, Crail Bay	13	22.6	14.4	18.5	+0.6	27.2	27	11.2	29	40	14	-96	15	7	..
Boyle River Lodge	600	22.7	9.2	16.0	+0.5	34.0	15	2.5	20	250	16	+101	77	19	..
Arthurs Pass	745	16.9	8.3	12.6	-0.5	25.4	14	2.4	29	543	..	+129	132	19	..
Cheviot EWS	75	23.6	11.5	17.6	..	37.9	26	3.7	31	21	7	..	10	28	241
Mueller Hut EWS	1818	10.0	3.3	6.7	..	17.4	15	-4.9	29	404	21	..	86	19	..
Mt Somers, Somer Down	372	22.1	10.1	16.1	..	35.4	26	2.5	29	106	18	..	19	28	..
Ashburton Council	101	24.2	11.4	17.8	+0.5	..	..	5.0	29	41	14	-12	20	2	..
Lincoln, Broadfield E	18	22.6	12.2	17.4	+0.5	37.2	26	5.8	24	33	12	-9	18	28	223
Dorie CWS @ Leferinks	55	22.2	11.3	16.8	..	35.9	26	4.8	29	..	..	..	..	..	..
Orari Estate	81	22.7	10.7	16.7	+0.3	38.3	26	3.5	29	79	13	+24	21	1	..
Thornbury	20	21.2	10.2	15.7	..	28.8	26	5.1	31	83	..	..	21	19	..
Stewart Is	3	18.1	10.9	14.5	+1.0	28.5	26	5.5	19	153	20	+0	33	19	149
Balclutha, Finegand	6	19.8	9.2	14.5	-0.6	29.3	26	-2.0	31	149	15	+79	58	17	87
Vanuatu, Pekoia	56	..	23.8	..	..	..	..	22.6	3	..	..	..	..	..	..
Tuamotu, Takaroa	2	30.8	24.6	27.7	..	..	..	21.7	21	26	21	..	8	17	..

Late returns and corrections for December 2020

Warkworth EWS	72	22.9	12.2	17.6	+0.5	26.8	9	5.6	29	11	6	-102	8	9	..
Waiheke Island, Awaro	34	23.2	14.9	19.1	..	27.0	8	9.5	15	21	2	-83	19	9	..
Whakatu EWS	5	23.1	10.2	16.7	+0.0	32.0	10	4.1	2	7	6	..	3	23	..
Boyle River Lodge	600	21.2	7.3	14.3	+0.5	29.0	15	..	..	159	..	-28	28	10	..
Mueller Hut EWS	1818	8.4	1.9	5.2	..	15.4	14	-7.2	27	287	19	..	65	23	..
Dorie CWS @ Leferinks	55	19.7	9.4	14.6	..	30.3	15	3.4	28	82	8	..	27	23	..
Stewart Is	3	17.2	8.6	12.9	+0.5	21.5	7	3.5	6	136	22	+12	15	10	148
Balclutha, Finegand	6	19.0	8.1	13.6	-0.3	..	..	..	..	..	..	..	..	..	89

Late returns and corrections for November 2020

Boyle River Lodge	600	18.5	6.5	12.5	+1.0	27.0	13	-0.5	9	120	23	-62	36	7	..
Mueller Hut EWS	1818	7.0	0.6	3.8	..	15.4	12	-5.1	9	344	22	..	97	4	..
Stewart Is	3	16.9	8.0	12.5	+1.6	..	..	2.5	28	..	..	..	..	..	155
Balclutha, Finegand	6	18.2	7.1	12.7	+0.5	25.7	4	-3.2	28	51	12	+0	8	21	103

Late returns and corrections for October 2020

Boyle River Lodge	600	16.6	4.6	10.6	+1.1	..	..	-4.5	1	148	..	-86	..	..	..
Mueller Hut EWS	1818	5.0	-0.7	2.2	..	9.6	28	..	..	644	22	..	119	11	..

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall				Bright Sun—shine	
		Means of		Mean of A and B	Differ—ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ—ence From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall		Date
Metres	°C	°C	°C	°C	°C	°C	mm	mm	mm	Hrs					
Late returns and corrections for September 2020															
Stewart Is	3	14.3	5.1	9.7	+1.3	19.0	1	225	..	+102	29	12	..

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.

©2021. All rights reserved National Institute of Water and Atmospheric Research Ltd.