

MAY 2010

Summary of the records of Temperature, Rainfall and Sunshine May 2010

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			°C	°C	°C	Date				Min	Date		Fall	Date
	Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs	
Cape Reinga AWS	214	17.7	13.4	15.6	..	21.0	9	10.6	29	113	22	+39	30	20	..
Kaitaia Aero EWS	80	18.7	11.8	15.3	..	21.4	13	5.7	5	171	23	..	67	23	..
Kaitaia Observatory	85	18.7	11.7	15.2	..	21.5	5	5.8	5	178	23	+60	59	23	150
Kaitaia EWS	85	15.7	9.0	12.4	-2.2	19.3	5	2.6	31	195	22	..	65	23	148
Kerikeri EWS	79	18.8	10.4	14.6	+0.6	22.5	13	5.8	5	268	20	+142	54	23	..
Kerikeri Aerodrome Aw	150	17.9	10.6	14.3	..	21.3	13	6.8	18	279	24	..	51	23	..
Kaikohe AWS	204	17.5	11.8	14.7	+1.2	20.5	13	7.6	31	257	25	+145	46	23	..
Trounson Cws	220	16.5	10.5	13.5	..	19.8	13	6.2	3	169	25	..	22	23	..
Dargaville 2 EWS	66	18.4	10.9	14.7	..	22.1	13	6.4	18	163	21	..	32	20	117
Purerua AWS	82	18.2	12.1	15.2	..	..	..	..	..	..	..	..	..	..	..
Whangarei Aero AWS	37	18.6	11.3	15.0	+0.8	23.2	13	6.8	3	232	19	+127	53	20	..
Leigh 2	27	19.3	12.9	16.1	+1.0	23.5	13	9.5	3	245	21	+159	80	20	..
Warkworth EWS	72	17.6	10.0	13.8	..	21.4	13	3.6	3	283	19	+168	96	20	..
Whangaparaoa AWS	89	18.1	13.0	15.6	..	21.8	13	10.0	29	233	18	..	81	20	..
Kumeu Ews, Auckland R	16	17.2	8.0	12.6	..	20.9	13	2.2	6	219	14	..	66	20	..
Whenuapai AWS	26	17.9	9.6	13.8	..	21.5	13	3.6	3	..	..	..	..	..	..
North Shore, Auckland	20	19.0	11.3	15.2	..	..	..	6.7	23	..	..	..	..	..	..
Henderson, River Pk	7	18.6	9.1	13.9	+0.6	22.9	13	4.3	3	234	19	+127	58	20	..
Henderson, Auckland R	35	18.6	11.1	14.9	..	22.7	13	6.3	23	..	..	..	..	..	..
Lincoln Rd, Auckland	25	20.1	8.1	14.1	..	..	..	3.4	23	..	..	..	..	..	..
Khyber Pass, Auckland	81	17.4	11.9	14.7	..	21.1	13	8.6	3	184	17	..	55	20	..
Musick Pt Ews, Auckla	18	18.6	11.5	15.1	..	..	..	8.4	5	..	..	..	..	..	..
Onehunga, Auckland Re	5	18.4	11.5	15.0	+1.2	22.4	13	..	..	..	..	..	..	..	..
Waiheke Island, Awaro	34	18.5	10.2	14.4	..	21.6	13	3.0	3	226	17	+133	48	31	..
Whitianga Aero AWS	5	18.0	9.1	13.6	+0.8	21.5	13	3.3	3	458	24	+334	109	20	..
Thames 2	3	18.0	9.7	13.9	+0.6	22.0	15	4.0	6	202	20	+120	35	27	130
Paeroa AWS	18	17.5	8.7	13.1	+0.9	22.1	13	1.5	6	148	18	+56	25	12	..
Toenepi EWS	48	17.5	7.9	12.7	..	21.9	13	0.7	6	63	17	..	14	23	..
Matamata, Hinuera EWS	106	17.4	6.2	11.8	..	22.9	10	0.8	3	152	17	..	32	23	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	155
Tauranga Aero AWS	4	18.0	9.9	14.0	+1.2	20.9	13	4.5	6	254	15	+165	87	24	..
Te Puke EWS	91	17.6	8.2	12.9	..	21.0	10	2.0	3	311	17	+197	97	24	..
Whakatane Aero AWS	7	17.7	8.2	13.0	+1.4	21.1	10	1.4	31	294	14	+215	153	24	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	161
White Island	310	15.5	11.5	13.5	..	18.5	17	8.0	31	..	..	..	..	..	..
Kawerau AWS	42	17.9	8.1	13.0	..	22.0	10	2.0	3	..	..	..	..	..	141
Rotorua Aero 2	281	..	..	..	..	..	..	..	..	..	..	..	..	..	128
Rotorua Aero AWS	283	15.1	6.9	11.0	+0.5	19.0	13	0.1	31	285	17	+176	113	24	..
Galatea AWS	174	15.6	4.9	10.3	..	19.1	13	-3.5	6	198	16	..	76	24	..
Taupo Wxt AWS	385	14.4	6.3	10.4	..	19.1	13	-0.5	6	111	15	..	24	12	..
Tarapounamu EWS	701	10.9	5.1	8.0	..	15.2	13	0.6	6	269	16	..	73	24	..
Taupo AWS	400	14.5	5.2	9.9	+0.5	19.9	13	-2.1	6	90	16	..	27	24	..
Opotiki	5	18.5	8.0	13.3	+1.1	22.9	10	2.3	31	325	16	+224	112	24	..
Motu EWS	488	14.2	5.0	9.6	..	19.3	12	-3.7	3	237	23	..	38	15	..
Otamatuna, Te Mapou H	624	12.8	6.2	9.5	..	16.4	10	0.3	31	317	17	..	74	24	..
Mangere EWS	5	17.6	10.0	13.8	..	21.2	10	5.1	6	166	16	..	51	20	138
Wiri, Auckland Region	18	17.8	11.2	14.5	+1.3	21.6	13	6.3	6	..	..	..	..	..	..
Pakuranga, Auckland R	15	18.6	9.2	13.9	..	..	..	4.3	3	..	..	..	..	..	..
Penrose Ews, Auckland	30	18.6	9.4	14.0	..	..	..	5.2	23	..	..	..	..	..	..
Auckland Aero	33	17.8	10.8	14.3	+0.6	21.9	13	6.3	23	163	16	+71	39	20	..
Ardmore	23	19.1	7.7	13.4	+0.7	22.4	13	1.6	6	138	17	+35	31	23	..
Pukekohe EWS	88	16.6	8.8	12.7	-0.3	20.5	13	4.7	3	128	17	..	24	23	..
Whatawhata 2 EWS	118	16.7	8.2	12.5	..	20.8	10	2.6	6	205	18	..	34	25	..
Hamilton, Ruakura 2 E	45	16.8	6.8	11.8	..	21.0	10	1.2	3	109	18	..	27	23	126
Hamilton AWS	53	17.0	6.8	11.9	+0.6	21.4	13	-0.1	6	120	17	+15	28	23	..
Lake Karapiro Cws	55	16.5	8.8	12.7	..	21.2	13	5.1	3	87	17	..	13	23	..
Port Taharoa AWS	27	18.0	10.8	14.4	+0.6	23.3	10	6.8	5	122	19	..	19	25	..
Waikeria	46	17.1	5.8	11.5	+0.5	22.3	10	-1.0	6	65	..	-37	..	..	..
Te Kuiti EWS	62	16.9	6.1	11.5	..	21.9	10	-1.0	6	137	16	..	44	25	132
Pureora Forest Cws	549	13.1	4.8	9.0	..	17.0	13	-1.8	6	157	16	..	38	12	..
Taumarunui	171	15.7	5.6	10.7	+0.5	21.2	4	-1.4	6	113	25	-26	17	15	..
Taumarunui AWS	195	16.4	4.4	10.4	..	21.4	13	-3.3	6	95	26	..	14	26	124
Turangui 2 EWS	350	15.3	4.1	9.7	..	19.2	10	-3.3	5	149	15	..	37	12	135

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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		
New Plymouth Aero	27	140	
New Plymouth AWS	30	16.9	9.5	13.2	+0.9	20.9	12	3.7	6	223	19	+92	64	16	..
Mt Ruapehu, Chateau E	1097	10.8	2.1	6.5	+1.0	17.1	11	-4.8	6	159	20	-115	41	25	..
Alfredton EWS	240	15.7	6.3	11.0	..	21.2	14	-3.2	6	102	18	..	44	24	..
Masterton Aero AWS	138	15.9	6.1	11.0	..	22.2	13	-1.9	6	129	22	..	46	24	..
Masterton, Te Ore Ore	110	16.1	6.4	11.3	..	22.0	13	-1.6	6	139	17	..	51	24	..
Takapau Plains AWS	330	14.6	5.6	10.1	..	19.6	14	-1.4	6	194	21	..	71	24	..
Dannevirke	207	15.6	6.4	11.0	+0.7	20.6	14	-0.2	3	144	14	+52	51	24	114
Dannevirke EWS	207	15.5	6.9	11.2	..	20.9	14	0.2	3	139	12	..	50	24	116
Waione EWS	48	16.5	6.2	11.4	..	22.4	14	-3.7	6	175	21	..	77	24	..
Cape Turnagain AWS	292	12.9	9.7	11.3	..	..	..	..	..	..	..	..	..	..	..
Akitio EWS	245	14.2	8.5	11.4	..	20.2	14	4.4	31	170	14	..	93	24	120
Castlepoint AWS	120	14.7	10.3	12.5	-0.3	19.4	14	6.5	6	214	18	..	95	24	..
Baring Head	79	14.0	10.2	12.1	..	19.6	12	6.4	28	132	18	..	29	25	..
Te Wharau, Brackenfie	292	14.7	6.3	10.5	..	20.0	13	1.5	7	269	19	..	47	24	..
Martinborough EWS	20	15.8	6.9	11.4	..	21.7	13	-1.5	6	117	15	..	50	24	95
Ngawi AWS	6	15.5	11.2	13.4	..	21.7	13	7.6	10	167	15	..	42	24	..
Hicks Bay AWS	46	17.6	11.5	14.6	+0.9	20.2	4	5.7	7	161	17	..	34	20	..
Gisborne Aero	4	..	..	..	..	..	..	..	..	..	..	..	..	..	136
Gisborne AWS	5	17.4	7.9	12.7	+0.5	21.6	14	1.8	7	180	20	+92	29	1	..
Tolaga Bay Wxt AWS	12	16.6	8.8	12.7	..	21.0	1	2.0	8	205	20	..	50	24	..
Napier Aero AWS	3	16.6	..	..	..	..	..	..	..	195	..	+129	..	..	..
Napier Nelson Pk	2	17.6	7.5	12.6	+0.5	21.9	14	0.7	7	247	15	+185	79	29	141
Hastings AWS	16	17.2	6.8	12.0	..	22.2	14	-0.4	7	210	18	..	78	24	..
Whakatu EWS	5	17.7	6.2	12.0	..	22.8	1	-1.6	3	198	16	..	76	29	..
Waipawa EWS	130	15.9	5.3	10.6	..	20.3	14	-3.1	6	167	15	..	75	24	134
Wairoa, North Clyde E	15	16.6	7.5	12.1	+0.1	22.4	13	1.0	7	178	21	+43	36	24	..
Mahia Radar Wxt AWS	419	12.9	9.8	11.4	..	16.9	14	6.1	31	149	24	..	40	29	..
Mahia AWS	136	15.5	10.8	13.2	+0.7	19.4	14	6.6	8	61	23	..	13	29	..
Cape Kidnappers Wxt A	118	15.0	11.1	13.1	..	18.7	1	6.2	31	136	25	..	56	24	..
Paraparaumu Aero	5	15.9	8.2	12.1	+0.7	20.6	12	0.7	11	70	16	-30	20	25	126
Paraparaumu Aero AWS	5	15.6	8.2	11.9	+0.4	20.7	12	0.9	11	70	13	..	19	25	139
Ohakea AWS	50	16.5	7.9	12.2	..	22.6	12	2.4	31	..	..	..	..	..	..
Palmerston North AWS	39	16.8	6.5	11.7	+0.8	23.2	13	-0.1	31	54	16	-31	15	24	..
Palmerston North EWS	21	16.7	7.1	11.9	..	21.8	13	-0.6	31	51	13	..	15	24	124
Levin AWS	14	16.6	7.5	12.1	+0.9	20.9	13	-0.6	31	52	15	..	10	24	..
Mana Island	2	15.5	10.8	13.2	+0.8	19.0	12	6.8	6	193	18	..	115	25	..
Mana Island AWS	100	13.9	10.4	12.2	..	18.8	12	6.2	28	193	18	..	115	25	..
Wellington,Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	89
Wellington, Kelburn A	125	14.1	9.8	12.0	..	18.6	12	6.2	28	209	23	..	43	25	..
Wellington Aero	4	14.8	10.5	12.7	+0.5	19.1	13	6.7	10	171	20	+80	34	25	..
Wallaceville EWS	56	15.7	7.0	11.4	..	21.0	12	-2.4	6	110	17	-19	26	25	94
Stratford EWS	300	14.4	7.0	10.7	..	18.5	12	1.6	6	276	17	..	57	14	116
Hawera AWS	98	15.3	7.5	11.4	..	20.2	13	0.6	31	152	18	..	36	14	..
Ohakune EWS	607	13.7	3.7	8.7	..	19.0	12	-3.6	6	66	16	..	11	29	138
Waiouru	806	11.9	3.1	7.5	+0.5	17.6	13	-3.9	31	132	18	+32	25	29	..
Waiouru AWS	820	11.7	2.9	7.3	..	17.7	13	-4.9	6	126	23	+20	21	29	..
Taihape Rec	433	15.5	3.3	9.4	+0.5	21.7	13	-4.1	6	90	19	+5	18	29	..
Wanganui,Spriggens Pa	15	17.2	8.8	13.0	+0.8	..	..	..	..	113	15	+32	27	26	..
Wanganui AWS	8	16.4	8.7	12.6	+0.3	22.4	13	3.5	31	116	17	..	27	26	..
Wanganui 2 AWS	18	17.3	8.0	12.7	..	23.7	13	1.6	31	..	..	..	..	..	..
Takaka, Kotinga 2	25	16.2	6.7	11.5	+1.4	20.0	3	2.6	11	176	19	+7	47	16	..
Takaka EWS	20	16.0	6.6	11.3	..	19.7	3	2.7	11	193	15	..	55	16	127
Farewell Spit AWS	3	15.9	10.6	13.3	+1.2	19.3	7	7.1	30	204	15	..	56	14	..
Westport Aero AWS	2	15.8	7.8	11.8	+0.6	18.8	12	4.3	30	110	19	-92	18	12	..
Arapito EWS	18	15.8	6.7	11.3	..	19.8	13	3.2	30	71	15	..	12	13	..
Murchison EWS	185	13.9	5.1	9.5	..	20.2	13	-0.1	28	87	18	-53	24	27	..
Lake Rotoiti EWS	634	12.6	3.2	7.9	..	18.1	11	-3.0	31	70	17	..	19	12	..
Hokitika Aero	39	14.8	6.4	10.6	+0.6	19.4	12	1.7	30	173	16	-72	87	7	124
Hokitika AWS	38	14.7	6.5	10.6	+0.5	19.5	12	1.8	30	176	15	..	84	7	..
Reefton EWS	198	14.2	4.8	9.5	+1.2	19.1	12	-1.7	31	62	16	-131	19	12	94
Greymouth Aero	4	15.3	7.2	11.3	+0.6	17.9	14	3.6	29	116	11	-93	45	7	119
Greymouth Aero EWS	5	14.8	7.9	11.4	..	17.4	18	4.5	29	116	12	..	44	7	129

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Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Pigeon Creek Cws	105	14.3	5.9	10.1	..	21.1	12	0.2	31	166	15	..	68	7	..
Mt Philistine EWS	1655	6.3	1.8	4.1	..	16.8	10	-5.4	28	353	15	..	121	7	..
Mahanga EWS	1995	3.2	-1.5	0.9	..	11.0	10	-8.6	28	85	16	..	30	12	..
Okarito	2	15.1	6.3	10.7	..	18.1	12	1.0	24	126	10	-118	36	7	..
Franz Josef EWS	80	14.8	5.4	10.1	..	18.2	15	0.0	28	151	11	..	50	7	129
Haast AWS	5	15.4	8.3	11.9	+2.1	19.3	17	4.4	1	238	13	..	47	7	..
Milford Sound	3	13.7	5.7	9.7	+1.4	18.0	6	1.3	31	214	11	-422	96	6	..
Milford Sound AWS	3	13.4	5.3	9.4	..	17.7	6	0.7	31	196	13	..	89	6	..
Secretary Island AWS	19	14.6	9.2	11.9	..	19.1	16	4.7	28	153	14	..	59	22	..
Puysegur Point AWS	44	12.2	8.6	10.4	+0.3	19.6	6	4.5	28	128	24	-92	22	25	..
Motueka, Riwaka EWS	8	18.1	6.1	12.1	+2.1	25.1	13	0.8	30	219	13	+106	59	15	..
Nelson Aero	2	15.7	7.5	11.6	+1.5	18.6	4	2.0	30	160	13	+83	58	14	133
Appleby 2 EWS	18	15.9	4.9	10.4	..	19.1	9	-0.8	5	129	10	..	33	14	137
Nelson AWS	4	16.3	7.8	12.1	+1.4	20.1	8	2.2	30	138	13	..	42	14	..
Blenheim Research EWS	4	15.8	6.8	11.3	+0.7	21.3	13	0.6	31	167	18	+111	44	25	119
Wairau Valley, Mill R	172	14.8	6.3	10.6	..	20.4	10	0.9	11	263	13	..	62	15	..
Blenheim Aero AWS	35	15.8	5.8	10.8	+0.7	21.3	10	-1.0	31	191	19	+131	49	25	..
Brothers Island AWS	68	14.1	11.1	12.6	..	17.2	12	6.6	28	139	17	..	48	16	..
Awatere Valley, Dashw	83	15.6	6.7	11.2	..	21.8	10	0.3	11	174	14	..	74	25	..
Grassmere Salt Works	2	15.8	9.6	12.7	+1.6	22.1	3	4.8	22	176	14	+125	91	25	..
Cape Campbell AWS	2	13.7	10.4	12.1	..	17.8	3	6.1	28	172	16	..	90	25	..
Boyle River Lodge	600	12.6	2.6	7.6	..	18.9	10	-6.0	22	85	21	..	14	16	..
Hanmer Forest EWS	363	13.9	1.8	7.9	+0.3	23.0	10	-4.3	12	296	14	+197	105	25	..
Kaikoura AWS	105	13.6	8.7	11.2	+0.2	21.8	13	4.1	28	185	18	+120	67	25	..
Arthurs Pass EWS	738	9.0	1.8	5.4	..	14.7	11	-1.7	22	244	17	..	80	7	..
Culverden AWS	181	13.6	4.1	8.9	..	21.7	13	-1.8	6	147	14	..	44	25	..
Cheviot EWS	75	15.1	4.1	9.6	..	25.0	13	-1.8	6	..	..	..	..	..	110
Mt Potts EWS	2128	4.1	-2.7	0.7	..	14.0	10	-10.9	28	..	..	..	..	..	..
Mt Cook EWS	765	11.2	0.9	6.1	-0.1	18.1	8	-3.6	31	278	18	-90	58	25	99
Snowdon EWS	560	12.1	3.6	7.9	..	21.4	10	-2.0	22	241	17	..	90	25	..
Methven, Three Spring	305	12.2	4.5	8.4	..	20.4	13	0.2	22	208	17	..	66	25	..
Methven Cws	313	13.0	5.6	9.3	..	22.0	10	1.3	5	233	21	..	71	25	..
Winchmore EWS	160	13.6	4.5	9.1	+0.5	22.8	13	-0.3	22	218	16	+159	61	25	..
Peel Forest	286	12.3	3.2	7.8	-0.1	21.3	7	-1.0	5	256	18	+194	101	25	..
Ashburton Council	101	13.7	4.7	9.2	+0.3	23.4	13	0.5	1	206	15	+149	47	25	..
Ashburton Aero AWS	89	13.1	4.9	9.0	..	23.4	13	-0.3	11	221	18	..	54	25	106
Waipara West EWS	130	14.8	6.1	10.5	..	22.9	13	2.0	11	137	10	..	53	25	114
Rangiora EWS	23	14.3	5.2	9.8	+0.9	..	..	..	..	147	11	..	49	25	110
Darfield EWS	190	13.7	5.9	9.8	..	23.5	13	1.6	5	190	11	..	73	25	..
Christchurch Aero	37	14.0	4.8	9.4	+0.5	24.8	13	-1.2	9	164	13	+112	46	26	110
Christchurch Gardens	7	14.1	6.7	10.4	+0.9	24.7	13	2.8	5	146	16	+90	48	26	..
Christchurch, Kyle St	6	14.7	6.7	10.7	..	24.8	13	2.3	5	157	14	..	55	26	..
Christchurch, New Bri	12	13.4	8.8	11.1	..	21.1	13	4.2	28	..	..	..	..	..	..
Lincoln, Broadfield E	18	13.9	5.7	9.8	+0.6	24.4	13	-0.1	22	153	14	..	38	28	..
Sugar Loaf AWS	618	11.9	6.4	9.2	..	19.6	10	0.3	28	..	..	..	..	..	..
Lyttelton Harbour	5	14.4	9.0	11.7	..	22.4	13	5.1	28	114	11	..	37	26	..
Leeston, Harts Creek	12	14.4	5.7	10.1	..	..	..	..	..	..	..	..	..	..	..
Akaroa EWS	45	14.9	8.3	11.6	..	24.7	13	4.5	22	267	14	..	109	25	94
Le Bons Bay AWS	236	12.7	8.3	10.5	+0.3	19.5	13	3.7	28	128	15	..	34	24	..
Lake Tekapo, Air Safa	762	10.5	1.1	5.8	-0.2	18.3	7	-2.8	31	138	12	+88	50	25	..
Lake Tekapo EWS	762	10.8	1.6	6.2	..	18.8	10	-2.7	5	134	12	..	47	25	146
Fairlie AWS	403	11.9	3.8	7.9	..	19.3	6	0.4	5	133	20	..	61	25	..
Pukaki Aerodrome AWS	473	12.0	0.3	6.2	..	19.6	7	-5.0	6	70	22	..	21	12	..
Hakataramea Valley Cw	355	12.5	2.5	7.5	..	19.3	7	-2.6	2	125	12	..	52	25	..
Orari Estate Cws	81	12.5	4.6	8.6	..	21.4	13	-0.8	6	204	19	..	73	25	..
Timaru Aero AWS	26	12.8	4.3	8.6	+0.5	19.5	13	-1.9	6	171	16	+127	61	24	..
Timaru EWS	17	12.6	5.8	9.2	..	19.5	7	1.9	6	150	14	..	54	25	..
Waimate Cws	55	13.0	4.8	8.9	..	19.3	7	0.1	6	205	13	..	77	24	..
Oamaru Airport AWS	30	12.4	4.2	8.3	..	18.7	13	-2.1	6	203	15	..	71	24	..
Albert Burn	1280	6.6	-0.1	3.3	..	15.3	11	-5.5	28	165	17	..	29	12	..
Eglinton, Knobs Flat	365	10.8	2.3	6.6	..	17.4	6	-2.7	31	70	16	..	19	6	..
Tara Hills AWS	488	12.2	1.2	6.7	+0.7	18.6	8	-2.9	5	53	14	+5	14	24	..
Wanaka Aero AWS	352	11.8	3.1	7.5	..	17.5	6	-0.5	5	30	11	..	11	12	..

Summary of the records of Temperature, Rainfall and Sunshine May 2010

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		
Naseby Forest 2	607	11.0	1.3	6.2	+0.6	18.6	6	..	..	137	12	+91	51	25	..
Windsor EWS	81	12.3	1.0	6.7	..	19.7	6	-5.2	6	230	16	..	89	25	..
Ranfurlly EWS	450	12.0	1.3	6.7	..	19.6	13	-4.8	5	58	11	..	17	25	..
Oamaru AWS	40	13.1	5.2	9.2	..	20.3	13	1.1	2	298	20	..	124	24	..
Rock And Pillar	270	11.3	2.7	7.0	..	18.7	6	-3.9	12	..	..	..	..	..	..
Palmerston	21	13.2	3.0	8.1	+0.1	20.2	6	-3.4	6	335	16	+283	84	28	109
Middlemarch EWS	213	11.7	1.5	6.6	..	20.0	6	-5.0	5	106	13	..	27	25	106
Swampy Summit AWS	722	8.6	3.4	6.0	..	16.9	12	-1.6	27	..	..	..	..	..	..
Dunedin Aero AWS	1	13.0	2.2	7.6	-0.1	18.7	6	-3.9	6	243	14	+183	79	28	..
Dunedin, Musselburgh	4	12.8	6.8	9.8	+0.5	18.6	7	3.6	23	160	12	+90	48	25	117
Murchison Mtns EWS	1140	5.6	1.2	3.4	..	12.2	11	-4.1	28	122	15	..	28	22	..
Takahe Valley Cws	895	6.6	0.6	3.6	..	12.5	6	-2.2	27	110	19	..	35	22	..
Manapouri, West Arm J	178	11.2	6.1	8.7	..	15.3	7	0.4	31	105	17	..	32	22	..
Manapouri Aero AWS	209	11.5	3.0	7.3	..	18.7	6	-2.1	2	61	17	..	25	22	..
Queenstown	329	12.5	3.8	8.2	+0.6	19.1	10	0.0	22	74	13	-16	14	12	84
Queenstown Aero AWS	354	11.1	2.0	6.6	+0.0	16.5	10	-2.5	22	79	15	+9	20	25	..
Lumsden AWS	187	12.0	2.6	7.3	+0.0	18.9	6	-3.0	5	59	20	..	12	25	..
Cromwell EWS	213	13.4	3.0	8.2	..	19.5	6	-1.1	31	72	12	..	24	25	117
Lauder EWS	375	12.0	1.8	6.9	..	18.4	6	-3.5	31	41	9	..	11	12	..
Ophir 2	305	12.2	-0.1	6.1	..	18.3	6	-5.5	5	43	9	..	11	24	..
Clyde EWS	171	12.5	1.7	7.1	+0.4	19.0	6	-3.4	5	46	11	..	18	24	..
Alexandra Cws	140	13.1	2.4	7.8	..	20.2	6	-2.2	5	39	12	..	14	12	..
Ettrick No.2	91	13.0	2.1	7.6	+0.3	19.5	6	-3.0	5	36	7	..	8	26	..
Waitutu Cws	30	12.3	4.2	8.3	..	18.7	6	0.0	31	138	22	..	46	25	..
Winton	44	12.8	3.4	8.1	+0.1	19.5	10	0.0	12	51	13	-45	13	2	96
Gore AWS	123	11.4	3.2	7.3	-0.2	18.2	10	-0.4	22	52	17	-41	13	13	..
Invercargill Aero		12.0	3.7	7.9	-0.1	17.5	6	-2.1	31	59	19	-55	13	3	105
Invercargill Aero AWS	1	12.1	3.6	7.9	..	17.9	6	-2.5	31	66	23	..	15	3	..
Invercargill Aero 2 E		..	..	..	..	..	..	..	..	55	18	..	12	3	101
Tiwai Point EWS	5	11.9	5.7	8.8	-0.1	17.7	6	0.0	31	44	17	-69	11	2	..
Stewart Is	3	12.3	5.5	8.9	+0.3	16.5	11	1.8	31	96	..	-58	..	..	..
Balclutha, Telford Ew	11	12.4	3.4	7.9	..	18.2	9	-1.8	22	111	14	..	40	25	107
Nugget Point AWS	129	11.1	6.3	8.7	+0.2	17.7	7	3.5	27	73	19	..	19	25	..
South West Cape AWS	101	10.7	7.7	9.2	..	17.5	6	4.7	24	..	..	..	..	..	..
Rarotonga EWS	4	27.6	22.8	25.2	..	29.9	1	18.6	22	74	23	..	25	30	..
Pitcairn Is	264	23.5	18.5	21.0	..	25.0	11	15.6	14	212	..	..	127	12	162
Raoul Island AWS	49	21.8	17.1	19.5	..	23.8	18	13.0	8	156	15	..	60	24	..
Enderby Is AWS	40	8.6	5.7	7.2	..	..	..	..	..	..	..	..	..	..	..
Campbell Island AWS	19	8.1	4.7	6.4	+0.3	12.3	6	-2.1	25	69	29	-62	24	6	..
Chatham Island EWS	14	13.8	9.4	11.6	..	16.3	16	1.5	23	94	16	..	26	29	..
Ant Scott Base	16	-20.3	-33.8	-27.1	..	-10.4	8	-47.8	18	..	..	..	..	..	..
Ant Arrival Heights E	185	-20.9	-29.7	-25.3	..	-12.3	23	-41.1	21	..	..	..	..	..	..
Ant Scott Base EWS	16	-21.0	-33.7	-27.4	..	-10.8	8	..	..	..	..	..	..	..	..
Late returns and corrections for April 2010															
Cape Reinga AWS	214	20.4	14.9	17.7	..	23.5	4	13.2	8	29	15	-87	11	27	..
Kerikeri Aerodrome Aw	150	21.1	11.8	16.5	..	23.1	24	9.1	9	100	14	..	53	27	..
Kaikohe AWS	204	21.1	13.1	17.1	+1.2	25.3	4	10.3	9	85	18	-51	32	27	..
Dargaville 2 EWS	66	21.0	11.9	16.5	..	23.2	5	7.7	9	41	12	..	12	27	157
Purerua AWS	82	20.6	13.5	17.1	..	..	..	..	..	..	..	..	..	..	..
Whangarei Aero AWS	37	21.3	13.1	17.2	+0.6	23.8	30	9.1	9	41	13	-80	24	27	..
Whangaparaoa AWS	89	21.5	14.7	18.1	..	23.8	4	12.0	8	15	11	..	6	27	..
Whenuapai AWS	26	20.6	10.8	15.7	..	23.6	5	5.2	10	..	..	..	..	..	..
North Shore, Auckland	20	21.2	13.1	17.2	..	23.6	24	8.7	17	..	..	..	..	..	..
Lincoln Rd, Auckland	25	22.5	9.7	16.1	..	24.9	5	4.9	13	..	..	..	..	..	..
Musick Pt Ews, Auckla	18	20.8	13.1	17.0	..	23.1	4	8.8	8	..	..	..	..	..	..
Whitianga Aero AWS	5	20.8	10.9	15.9	+0.6	22.9	24	5.4	8	45	16	-103	10	4	..
Thames 2	3	21.2	11.2	16.2	+0.1	25.1	..	6.0	10	33	..	-74	16	30	..
Paeroa AWS	18	21.2	10.4	15.8	+0.5	25.2	5	3.8	8	75	8	-35	28	6	..
Tauranga Aero AWS	4	21.0	11.5	16.3	+0.8	23.9	5	7.2	17	27	8	-85	9	6	..
Whakatane Aero AWS	7	20.9	9.5	15.2	+0.4	24.9	5	3.1	17	80	6	-13	51	6	..
White Island	310	18.1	13.3	15.7	..	..	..	10.2	17	..	..	..	..	..	..
Kawerau AWS	42	21.8	9.4	15.6	..	24.1	5	3.8	8	..	..	..	..	..	200

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
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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		
Rotorua Aero AWS	283	18.7	8.8	13.8	+0.3	21.7	5	1.3	17	41	6	-75	19	6	..
Galatea AWS	174	19.7	7.4	13.6	..	21.7	1	-1.6	17	31	6	..	22	6	..
Taupo Wxt AWS	385	17.8	9.1	13.5	..	20.7	25	1.8	17	37	5	..	16	6	..
Taupo AWS	400	18.0	7.5	12.8	+0.4	21.0	25	0.0	17	33	7	..	13	6	..
Pakuranga, Auckland R	15	21.3	11.3	16.3	..	24.1	5	5.5	17	..	..	..	..	..	..
Penrose Ews, Auckland	30	20.9	11.5	16.2	..	23.3	25	6.3	17	..	..	..	..	..	..
Auckland Aero	33	20.9	13.0	17.0	+0.7	24.2	5	8.6	17	56	12	-40	15	5	..
Hamilton AWS	53	20.9	8.9	14.9	+0.7	24.4	5	1.7	10	37	10	-57	18	6	..
Port Taharoa AWS	27	20.6	12.9	16.8	+0.5	23.8	26	8.1	9	..	..	..	..	..	..
Taumarunui AWS	195	20.0	6.6	13.3	..	24.3	15	-1.4	10	39	15	..	10	6	144
New Plymouth AWS	30	19.5	11.1	15.3	+0.7	22.7	5	4.0	17	54	13	-81	21	27	..
Lower Retaruke	219	19.1	7.5	13.3	+0.3	23.2	5	-0.4	8	51	12	-60	14	13	..
Masterton Aero AWS	138	20.5	5.8	13.2	..	24.3	25	-0.6	17	14	11	..	5	5	..
Takapau Plains AWS	330	18.5	6.6	12.6	..	23.0	25	-0.4	17	27	15	..	16	6	..
Dannevirke	207	18.9	7.9	13.4	+0.4	22.5	25	0.2	10	24	6	-64	16	6	185
Cape Turnagain AWS	292	16.3	11.9	14.1	..	19.5	12	7.5	17	15	13	..	5	6	..
Castlepoint AWS	120	18.7	12.4	15.6	+0.5	22.1	26	6.8	17	15	8	..	5	6	..
Ngawi AWS	6	19.7	13.1	16.4	..	24.3	27	7.3	9	24	6	..	12	27	..
Hicks Bay AWS	46	19.7	12.6	16.2	+0.1	22.2	21	7.3	17	42	12	..	13	27	..
Gisborne AWS	5	21.7	9.3	15.5	+0.6	25.3	15	4.7	17	75	8	-31	29	6	..
Tolaga Bay Wxt AWS	12	19.7	9.2	14.5	..	24.2	14	3.5	17	54	9	..	15	6	..
Napier Aero AWS	3	20.4	9.0	14.7	+0.2	24.6	15	1.7	17	41	7	-38	18	6	..
Hastings AWS	16	21.5	7.6	14.6	..	25.2	15	0.6	17	21	14	..	13	6	..
Mahia Radar Wxt AWS	419	16.9	11.8	14.4	..	..	..	..	..	..	..	..	..	..	..
Mahia AWS	136	19.1	12.1	15.6	+0.6	23.2	14	..	..	20	8	..	12	6	..
Cape Kidnappers Wxt A	118	17.7	13.1	15.4	..	22.6	15	8.5	17	84	14	..	53	6	..
Paraparaumu Aero AWS	5	17.9	10.9	14.4	+0.7	22.4	27	0.7	9	59	8	..	34	27	171
Ohakea AWS	50	19.1	10.5	14.8	..	22.5	25	3.7	9	..	..	..	..	..	..
Palmerston North AWS	39	19.3	8.6	14.0	+0.3	22.6	13	0.0	10	44	11	-24	12	24	..
Levin AWS	14	18.6	9.4	14.0	+0.1	21.0	26	1.3	8	54	11	..	17	30	..
Mana Island	2	18.7	12.7	15.7	+1.0	20.8	27	..	..	40	9	..	27	27	..
Mana Island AWS	100	16.1	12.3	14.2	..	..	..	..	..	40	8	..	28	27	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	160
Wellington, Kelburn A	125	17.5	12.1	14.8	..	21.2	27	6.2	9	39	10	..	21	27	..
Wellington Aero	4	18.5	12.8	15.7	+1.2	23.1	27	7.0	9	27	4	-56	20	27	..
Hawera AWS	98	18.1	9.8	14.0	..	21.7	27	1.7	10	64	14	..	20	30	..
Waiouru	806	15.0	4.4	9.7	-0.1	17.9	25	-1.8	17	30	11	-48	20	6	..
Waiouru AWS	820	14.5	4.0	9.3	..	17.8	13	-2.4	17	30	13	-54	18	6	..
Wanganui AWS	8	19.0	10.9	15.0	+0.3	22.0	26	3.4	9	31	6	..	10	27	..
Wanganui 2 AWS	18	20.1	10.4	15.3	..	23.6	25	3.7	10	..	..	..	..	..	..
Farewell Spit AWS	3	18.8	12.2	15.5	+1.0	20.8	2	7.9	17	31	5	..	14	27	..
Westport Aero AWS	2	17.5	10.5	14.0	+0.6	19.8	12	6.2	11	134	20	-48	23	24	..
Hokitika AWS	38	16.6	10.1	13.4	+0.9	19.6	6	4.8	16	247	18	..	48	13	..
Blackball	35	17.1	8.6	12.9	..	22.1	3	2.0	..	372	..	..	98	13	..
Okarito	2	16.4	10.4	13.4	..	19.3	1	5.3	9	319	20	+72	64	27	..
Haast AWS	5	16.0	10.3	13.2	+1.0	18.3	7	2.6	16	444	23	..	52	24	..
Milford Sound AWS	3	16.1	8.5	12.3	..	18.8	11	2.3	16	..	..	..	..	..	..
Secretary Island AWS	19	15.0	10.6	12.8	..	17.1	12	6.0	16	709	23	..	72	12	..
Puysegur Point AWS	44	14.1	10.2	12.2	+0.3	19.6	11	5.0	5	376	25	+161	64	2	..
Maud Island	15	18.4	10.5	14.5	..	22.0	19	7.8	9	36	..	..	16	27	..
Nelson Aero	2	19.1	9.2	14.2	+1.1	22.9	15	4.9	9	29	6	-55	16	27	206
Nelson AWS	4	19.8	9.1	14.5	+0.8	22.3	15	4.6	9	29	8	..	15	27	..
Blenheim Aero AWS	35	21.1	7.3	14.2	+1.1	25.7	23	-1.1	11	5	2	-61	3	13	..
Brothers Island AWS	68	16.7	13.1	14.9	..	19.9	19	8.4	16	17	9	..	9	27	..
Cape Campbell AWS	2	16.8	12.5	14.7	..	21.0	15	8.1	16	6	6	..	4	6	..
Kaikoura AWS	105	18.4	10.9	14.7	+1.6	24.9	30	5.6	16	10	4	-65	5	6	..
Arthurs Pass	738	13.0	6.1	9.6	+1.3	16.4	2	-1.5	9	591	14	+230	113	25	..
Culverden AWS	181	19.1	6.5	12.8	..	25.7	2	0.0	8	4	7	..	3	15	..
Craigieburn Forest	914	15.4	3.7	9.6	+0.7	20.7	11	-1.2	8	189	17	+76	43	25	..
Ashburton Aero AWS	89	19.7	6.8	13.3	..	27.2	1	0.8	8	43	10	..	12	24	185
Darfield	195	20.3	8.3	14.3	+2.0	28.8	1	2.3	9	24	9	-38	6	24	..
Christchurch Aero	37	19.9	6.6	13.3	+1.2	27.4	1	-1.5	10	24	5	-27	13	24	167
Christchurch, Kyle St	6	20.1	8.2	14.2	..	28.5	1	2.1	10	19	3	..	11	24	..

Summary of the records of Temperature, Rainfall and Sunshine — Late returns

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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		
Niue, Hanan Airport	59	29.3	23.9	26.6	
CI Rarotonga Aero	7	29.1	23.6	26.4	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	32.4	24.3	28.4	..	34.3	10	23.1	28	17	8	..	10	30	
Tahiti - Faaa	1	32.0	25.1	28.6	..	32.9	2	23.9	14	26	9	..	7	4	
Tuamotu, Hao	3	29.9	25.8	27.9	..	..	..	..	..	..	..	..	..	..
Tuamotu, Hereheretue	3	30.1	25.1	27.6	..	..	..	22.0	16	210	17	..	97	27
Gambier, Rikitea	91	28.2	23.5	25.9	..	..	..	..	..	..	..	..	..	..
Tubuai	2	28.0	22.8	25.4	..	29.8	2	17.9	18	81	14	..	26	22	
Rapa	1	24.5	20.2	22.4	..	28.5	1	15.6	15	170	23	..	48	22	
Raoul Island AWS	49	23.3	18.8	21.1	..	25.8	14	15.0	21	86	21	..	38	3	
Enderby Is AWS	40	9.9	6.6	8.3	..	11.5	11	..	..	117	26	..	18	11
Chatham Islands AWS	48	15.4	11.3	13.4	+0.8	18.8	3	4.9	25	37	16	-38	8	5	
Georg Von Neumayer	40	-12.3	-19.9	-16.1	..	-3.9	17	-34.6	13	..	..	..	..	..
Ant South Pole	2800	-58.9	-65.0	-62.0	..	..	..	..	..	..	..	..	..	..
Halley Bay	30	-16.0	-23.5	-19.8	..	-6.1	6	-38.8	30	..	..	..	..	..
Gen Belgrano 2	32	-12.6	-18.5	-15.6	..	2.7	5	-31.1	19	..	..	..	..	..
Base Jubany	4	-0.1	-3.9	-2.0	..	5.9	11	-15.8	25	..	..	..	..	..
Dinamet	10	-0.8	-3.5	-2.2	..	..	..	..	..	..	..	..	..	..
V C Marambio	198	-9.7	-18.9	-14.3	..	..	..	..	..	..	..	..	..	..
Eduardo Frei	10	-1.1	-4.0	-2.6	..	..	..	..	..	..	..	..	..	..
Arturo Prat		-0.9	-4.1	-2.5	..	..	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	-3.2	-5.6	-4.4	..	..	..	..	..	..	..	..	..	..
Palmer Station	8	1.1	-2.5	-0.7	..	6.6	4	-8.6	27	..	..	..	..	..
Rothera Point	16	-1.6	-4.9	-3.3	..	3.2	5	-12.0	25	..	..	..	..	..
Gen San Martin	4	-1.0	-6.5	-3.8	..	5.9	4	-16.0	25	..	..	..	..	..
King Sejong	11	-1.1	-3.2	-2.2	..	..	..	..	..	..	..	..	..	..
Novolax Arevskaja	99	-9.6	-14.0	-11.8	..	..	..	-21.8	5	..	..	..	..	..
Mawson	16	-12.8	-18.6	-15.7	..	-6.1	6	-27.4	23	..	..	..	..	..
Davis	13	-12.3	-18.6	-15.5	..	-2.9	4	-30.8	23	..	..	..	..	..
Progress	64	-13.5	-16.1	-14.8	..	-2.6	4	..	..	..	..	..	..	..
Vostok	3420	-65.3	-69.3	-67.3	..	..	..	..	..	..	..	..	..	..
Casey	41	-10.8	-18.1	-14.5	..	-2.6	3	-28.0	27	..	..	..	..	..
Wilkins Runway East	755	-15.2	-22.7	-19.0	..	..	..	-32.9	15	..	..	..	..	..
Durmont Durville	43	-12.4	-17.6	-15.0	..	-6.9	1	..	..	..	..	..	..	..
Mcmurdo	24	-15.2	-23.2	-19.2	..	-7.4	26	-30.3	7	..	..	..	..	..
Darwin Airport	31	32.5	18.5	25.5	..	34.0	22	14.9	21	142	15	..	70	5	
Hobart Airport	4	23.7	9.5	16.6	..	26.4	14	2.9	26	..	..	..	..	..
Late returns and corrections for March 2010															
Maud Island	15	20.8	12.7	16.8	..	24.5	21	8.3	13	39	..	..	..	..
Windsor EWS	81	22.2	7.8	15.0	..	29.4	26	2.1	18	3	4	..	1	23	
Balclutha, Finegand	6	19.5	7.5	13.5	+0.1	25.0	27	..	..	30	..	-28	7	23
New Cal, Oulop	7	29.8	24.0	26.9	..	..	..	..	..	1	1	..	1	18
Late returns and corrections for February 2010															
Windsor EWS	81	23.2	9.0	16.1	..	31.3	22	3.6	19	18	7	..	6	18	
Late returns and corrections for January 2010															
Windsor EWS	81	21.0	9.6	15.3	..	31.9	1	2.6	5	15	7	..	11	10	

The 'Normal' refers to the present site of the instruments. Standard period for normals is 1971-2000.

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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