

SEPTEMBER 2010

Summary of the records of Temperature, Rainfall and Sunshine September 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		
Kaitaia Aero EWS	80	17.1	10.9	14.0	..	20.2	29	4.9	5	123	22	..	21	11	..
Kaitaia Observatory	85	16.8	10.1	13.5	..	19.9	29	5.4	5	150	22	+17	24	11	152
Kaitaia EWS	85	16.5	10.3	13.4	+0.4	19.3	29	5.2	5	142	22	..	22	11	164
Kerikeri EWS	79	18.2	9.3	13.8	+1.0	21.5	26	3.8	22	87	20	-95	24	11	..
Kerikeri Aerodrome Aw	150	17.3	9.3	13.3	..	20.4	26	4.1	5	143	23	..	37	11	..
Kaikohe AWS	204	16.8	10.5	13.7	+1.7	21.2	27	6.9	5	118	25	-18	24	7	..
Trounson Cws	220	15.8	9.3	12.6	..	22.0	30	4.4	5	151	22	..	23	2	..
Dargaville 2 EWS	66	17.5	10.2	13.9	..	22.3	29	6.9	16	133	19	..	22	6	170
Purerua AWS	82	17.0	9.6	13.3	..	..	..	..	..	105	17	..	18	15	..
Whangarei Aero AWS	37	18.4	10.5	14.5	+1.4	22.1	29	6.7	5	78	18	-46	26	7	..
Mokohinau AWS	60	15.7	12.1	13.9	..	17.8	28	7.5	23	99	17	+11	22	8	..
Leigh 2	27	17.9	10.7	14.3	+1.0	20.4	26	7.4	23	103	22	-2	16	7	..
Warkworth EWS	72	16.5	9.5	13.0	..	20.3	28	3.6	2	143	21	+4	19	11	..
Whangaparaoa AWS	89	17.2	10.4	13.8	..	20.8	27	6.5	23	105	20	..	18	9	..
Tiri Tiri Lighthouse	76	16.2	11.1	13.7	+0.9	19.5	2	..	..	118	23	+29	20	3	..
Kumeu Ews, Auckland R	16	17.2	9.3	13.3	..	21.4	28	2.9	2	131	20	..	17	30	..
Whenuapai AWS	26	16.8	9.8	13.3	..	20.9	29	4.2	2	..	..	..	..	..	..
North Shore, Auckland	20	17.9	10.1	14.0	..	..	..	6.8	5	..	..	..	..	..	..
North Shore Albany Ew	64	16.7	9.9	13.3	..	19.5	27	6.2	2	131	22	..	21	11	167
Henderson, River Pk	7	17.8	9.5	13.7	+1.2	22.8	29	3.8	2	164	24	+27	20	11	..
Henderson, Auckland R	35	17.3	10.6	14.0	..	..	..	..	..	..	..	..	..	..	..
Khyber Pass, Auckland	81	16.4	10.1	13.3	..	19.7	8	6.9	23	147	21	..	21	11	..
Musick Pt Ews, Auckla	18	17.1	9.4	13.3	..	..	..	6.8	4	..	..	..	..	..	..
Onehunga, Auckland Re	5	17.0	11.2	14.1	+1.2	20.4	28	7.8	23	..	..	..	..	..	..
Waiheke Island, Awaro	34	17.0	9.0	13.0	..	20.0	27	4.0	2	126	19	+11	26	9	..
Whitianga Aero AWS	5	16.6	9.5	13.1	+1.1	20.2	27	3.3	2	286	25	+120	60	11	..
Thames 2	3	17.0	9.3	13.2	+0.6	21.5	30	4.3	1	135	..	+17	24	11	134
Paeroa AWS	18	16.8	9.1	13.0	+0.9	20.3	29	3.3	1	122	21	-1	18	6	..
Toenepi EWS	48	16.4	8.5	12.5	..	20.6	29	3.3	16	155	24	..	22	6	..
Matamata, Hinuera EWS	106	15.5	7.0	11.3	..	19.8	29	0.0	5	197	22	..	24	30	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	161
Tauranga Aero AWS	4	17.1	9.7	13.4	+1.4	22.7	27	3.4	5	140	21	+37	37	11	..
Te Puke EWS	91	16.7	8.4	12.6	..	21.6	27	2.5	5	225	23	+89	66	9	..
Whakatane Aero AWS	7	16.9	8.4	12.7	+1.2	20.0	27	0.5	5	149	16	+59	47	9	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	171
White Island AWS	310	13.0	9.0	11.0	..	..	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	17.6	7.7	12.7	..	22.9	27	0.7	5	..	..	..	..	..	143
Rotorua Aero 2	281	..	..	..	..	..	..	..	..	..	..	..	..	..	146
Rotorua Aero AWS	283	14.1	7.2	10.7	+0.5	19.2	28	1.3	16	152	24	+37	36	9	..
Galatea AWS	174	15.2	6.1	10.7	..	20.0	27	-1.5	5	115	21	..	25	9	..
Taupo Wxt AWS	385	13.8	6.9	10.4	..	18.1	28	3.1	16	151	22	..	24	9	..
Tarapounamu EWS	701	9.9	3.3	6.6	..	18.2	28	-1.0	4	312	26	..	50	9	..
Taupo AWS	400	13.4	6.3	9.9	+0.7	17.4	28	0.8	11	142	22	..	21	9	..
Opotiki	5	16.5	7.2	11.9	+0.4	19.6	27	1.0	5	148	16	+34	52	9	..
Motu EWS	488	12.7	5.7	9.2	..	19.5	27	-3.6	5	283	24	..	47	9	..
Mangere EWS	5	16.1	10.0	13.1	..	19.3	28	6.3	2	117	21	..	19	11	139
Wiri, Auckland Region	18	16.7	11.0	13.9	+1.5	19.8	28	6.8	1	..	..	..	..	..	..
Pakuranga, Auckland R	15	18.2	9.6	13.9	..	..	..	5.1	2	..	..	..	..	..	..
Penrose Ews, Auckland	30	17.3	8.7	13.0	..	..	..	5.3	2	..	..	..	..	..	..
Auckland Aero	33	16.8	10.4	13.6	+0.8	20.4	28	6.4	2	112	21	+15	17	11	..
Ardmore	23	17.3	8.0	12.7	+0.8	21.0	27	3.9	17	135	23	+21	24	11	..
Pukekohe EWS	88	15.3	8.4	11.9	-0.1	19.5	28	4.6	2	150	22	..	22	30	..
Whatawhata 2 EWS	118	15.3	8.7	12.0	..	19.8	29	3.6	4	291	25	..	43	6	..
Hamilton, Ruakura 2 E	45	17.0	8.7	12.9	..	22.3	29	3.7	1	150	23	..	21	9	121
Hamilton AWS	53	16.1	8.0	12.1	+1.0	20.9	29	3.1	4	181	22	+74	24	11	..
Lake Karapiro Cws	55	15.1	8.3	11.7	..	..	..	2.7	4	..	..	..	..	..	..
Port Taharoa AWS	27	16.0	10.3	13.2	+0.5	18.7	29	4.1	4	188	26	..	44	30	..
Waikeria	46	16.0	7.5	11.8	+0.8	20.0	28	1.2	4	168	19	+61	37	6	..
Te Kuiti EWS	62	15.3	6.6	11.0	..	19.3	28	1.2	4	296	24	..	42	6	111
Pureora Forest Cws	549	11.6	5.0	8.3	..	15.6	28	0.2	4	357	26	..	50	18	..
Taumarunui	171	15.0	6.6	10.8	+0.2	20.1	8	1.0	1	324	29	+178	63	6	..
Taumarunui AWS	195	14.9	6.1	10.5	..	19.7	28	-0.8	1	345	28	..	65	6	90
Turangui 2 EWS	350	12.9	5.2	9.1	..	18.3	27	-0.7	1	370	27	..	51	9	92

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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	..	..	..	..	..	..	..	..	..	..	..	..	121	
New Plymouth AWS	30	15.5	9.3	12.4	+1.0	18.7	8	2.9	4	236	28	+119	46	30	..
Mt Ruapehu, Chateau E	1097	6.6	1.1	3.9	-0.8	12.7	9	-3.2	4	775	29	+509	108	6	..
Pahiatua EWS	110	14.6	7.5	11.1	..	19.6	29	-0.5	4	268	26	..	42	18	..
Alfredton EWS	240	15.0	7.7	11.4	..	19.9	29	-1.4	4	211	30	..	24	9	..
Masterton Aero AWS	138	15.7	6.7	11.2	..	20.2	27	-1.5	5	138	18	..	37	9	..
Masterton, Te Ore Ore	110	14.9	2.9	8.9	..	21.9	27	-3.6	5	103	16	..	33	9	..
Kopua	311	14.9	7.0	11.0	+1.4	21.2	29	0.7	2	155	21	+64	31	9	..
Takapau Plains AWS	330	14.4	6.1	10.3	..	22.1	29	-0.5	2	170	25	..	29	18	..
Dannevirke	207	15.0	7.4	11.2	+1.0	21.1	30	1.0	2	245	25	+157	35	18	130
Dannevirke EWS	207	15.1	8.1	11.6	..	21.0	30	1.3	2	234	25	..	34	18	129
Waione EWS	48	16.7	8.3	12.5	..	23.1	29	-0.6	2	156	22	..	30	18	..
Cape Turnagain AWS	292	13.0	8.3	10.7	..	19.2	29	2.9	22	445	26	..	134	22	..
Akitio EWS	245	13.7	7.6	10.7	..	19.1	12	2.1	22	105	19	..	39	9	173
Castlepoint Station	9	16.6	9.7	13.2	..	22.5	30	4.0	22	101	15	+25	33	21	..
Castlepoint AWS	120	14.9	9.2	12.1	+0.5	19.9	30	2.9	22	96	16	..	30	21	..
Baring Head	79	13.8	9.1	11.5	..	16.4	26	3.6	22	90	16	..	21	30	..
Te Wharau, Brackenfie	292	14.1	5.7	9.9	..	20.0	27	0.5	23	127	16	..	40	9	..
Martinborough EWS	20	15.7	8.1	11.9	..	19.3	27	0.3	5	81	19	..	19	21	147
Ngawi AWS	6	15.4	10.1	12.8	..	19.4	27	4.5	22	79	13	..	30	9	..
Hicks Bay AWS	46	16.0	10.6	13.3	+0.9	..	..	..	..	..	..	..	..	..	..
Gisborne Aero	4	..	..	..	..	..	..	..	..	..	..	..	..	..	172
Gisborne AWS	5	18.1	9.5	13.8	+2.0	24.0	27	2.6	5	41	12	-46	14	9	..
Tolaga Bay Wxt AWS	12	17.3	8.7	13.0	..	22.0	27	1.1	5	67	12	..	23	9	..
Napier Aero AWS	3	17.7	8.1	12.9	+1.5	23.7	29	1.8	2	49	16	-20	18	9	..
Napier Nelson Pk	2	18.7	9.3	14.0	+2.0	24.6	29	2.3	2	56	15	-9	21	9	177
Hastings AWS	16	18.1	7.9	13.0	..	24.0	29	-0.2	5	53	19	..	20	9	..
Whakatu EWS	5	18.0	7.6	12.8	..	23.6	29	-0.9	5	51	14	..	22	9	..
Waipawa EWS	130	16.0	6.1	11.1	..	22.2	29	-1.7	5	101	19	..	33	9	165
Wairoa, North Clyde E	15	18.3	7.9	13.1	+1.3	24.0	27	0.6	5	26	11	-83	8	9	..
Mahia Radar Wxt AWS	419	13.7	8.2	11.0	..	..	..	..	..	44	23	..	10	9	..
Mahia AWS	136	16.6	9.4	13.0	+1.4	21.9	27	5.3	2	17	15	..	6	9	..
Cape Kidnappers Wxt A	118	15.3	10.0	12.7	..	20.4	6	5.1	22	54	25	..	14	9	..
Paraparaumu Aero	5	15.3	8.9	12.1	+1.2	18.4	12	0.6	4	241	25	+157	72	30	143
Paraparaumu Aero AWS	5	14.9	9.0	12.0	+1.2	18.3	12	0.8	4	230	25	..	70	30	155
Ohakea AWS	50	15.2	8.8	12.0	..	20.6	29	2.6	4	..	..	..	..	..	..
Palmerston North AWS	39	15.3	8.0	11.7	+0.9	20.2	29	-0.5	4	241	23	+156	29	6	..
Palmerston North EWS	21	15.0	8.2	11.6	..	20.0	29	-0.8	4	261	22	..	39	18	108
Levin AWS	14	15.0	8.3	11.7	+0.7	19.6	12	-0.2	4	189	23	..	51	30	..
Mana Island	2	15.4	9.9	12.7	+1.5	18.3	12	..	..	179	..	..	..	..	..
Mana Island AWS	100	13.2	9.2	11.2	..	16.4	12	3.6	22	152	21	..	46	30	..
Wellington,Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	167
Wellington, Kelburn A	125	14.1	8.7	11.4	..	17.0	25	2.4	4	209	18	..	43	29	..
Wellington Aero	4	15.0	9.7	12.4	+1.1	18.2	26	4.9	4	152	16	+74	33	30	..
Wallaceville EWS	56	15.0	7.6	11.3	..	20.1	12	-0.4	4	236	22	+124	56	30	123
Stratford EWS	300	13.5	6.7	10.1	..	18.5	27	0.7	23	338	26	..	62	30	117
Hawera AWS	98	14.6	8.3	11.5	..	19.3	29	1.6	2	212	25	..	37	30	..
Ohakune EWS	607	11.9	5.1	8.5	..	16.8	28	-0.9	2	361	27	..	49	6	108
Waiouru	806	10.6	2.7	6.7	+0.2	16.7	29	-3.2	4	282	27	+192	37	18	..
Waiouru AWS	820	10.3	3.1	6.7	..	16.7	29	-2.5	4	280	28	+182	39	18	..
Taihape Rec	433	13.7	5.1	9.4	+0.3	20.0	29	-2.0	4	131	25	+54	17	30	..
Wanganui,Spriggens Pa	15	16.3	9.3	12.8	+1.1	21.6	29	4.2	4	197	20	+126	39	6	..
Wanganui AWS	8	15.6	9.2	12.4	+0.9	21.2	29	4.2	4	198	23	..	39	6	..
Wanganui 2 AWS	18	16.4	9.0	12.7	..	21.6	29	3.3	4	..	..	..	..	..	..
Takaka, Kotinga 2	25	15.8	5.0	10.4	+0.1	20.5	26	..	..	310	25	+134	122	29	..
Takaka EWS	20	15.6	5.1	10.4	..	20.4	26	0.6	4	329	24	..	118	29	156
Farewell Spit AWS	3	15.1	9.1	12.1	+0.6	17.3	28	3.5	4	253	25	..	44	29	..
Westport Aero AWS	2	14.1	6.9	10.5	-0.1	18.2	9	1.5	4	316	29	+121	38	5	..
Arapito	18	14.1	6.5	10.3	-0.4	18.4	9	1.0	4	451	28	+218	60	5	86
Arapito EWS	18	13.5	6.0	9.8	..	18.0	9	0.4	4	422	29	..	56	29	..
Murchison EWS	185	13.5	4.3	8.9	..	..	..	..	..	315	30	+172	49	29	..
Lake Rototiti EWS	634	10.9	2.1	6.5	..	18.2	27	-5.4	4	349	30	..	42	29	..
Hokitika Aero	39	12.9	5.7	9.3	-0.5	19.2	9	-0.4	4	442	27	+192	49	5	100

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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			
Hokitika AWS	38	12.8	5.6	9.2	-0.6	18.9	9	-0.6	4	441	27	..	50	5	..
Reefton EWS	198	13.0	4.2	8.6	-0.7	18.7	8	-1.1	4	352	28	+175	32	5	82
Greymouth Aero	4	13.7	6.6	10.2	-0.2	19.0	9	..	..	369	28	+162	43	5	95
Greymouth Aero EWS	5	13.0	6.9	10.0	..	19.4	9	1.6	22	365	28	..	46	5	109
Pigeon Creek Cws	105	12.3	5.6	9.0	..	17.5	8	-2.1	4	874	27	..	130	5	..
Mt Philistine EWS	1655	4.0	-1.7	1.2	..	9.6	12	-7.9	22	599	19	..	153	5	..
Mahanga EWS	1995	0.4	-5.2	-2.4	..	8.2	27	-11.8	22	291	18	..	73	29	..
Okarito	2	12.8	5.5	9.2	..	16.0	9	..	..	528	26	+273	79	5	..
Franz Josef EWS	80	12.2	4.6	8.4	..	16.7	9	-1.3	4	661	27	..	99	5	98
Haast AWS	5	12.6	5.8	9.2	+0.1	16.5	8	-0.6	19	372	26	..	57	1	..
Milford Sound	3	11.7	3.8	7.8	-0.7	16.7	8	-0.2	22	881	25	+364	135	5	..
Milford Sound AWS	3	11.8	4.0	7.9	..	17.3	8	-0.3	4	835	28	..	130	5	..
Secretary Island AWS	19	11.9	7.0	9.5	..	17.7	8	2.1	22	386	27	..	64	5	..
Motueka, Riwaka EWS	8	17.6	5.4	11.5	+1.3	23.5	26	0.3	4	162	18	+46	39	29	..
Maud Island	15	14.2	8.3	11.3	..	17.6	9	4.2	3	387	..	..	81	29	..
Pelorus Sd, Crail Bay	13	15.1	8.4	11.8	+0.6	..	..	1.5	4	374	22	+218	92	5	..
Nelson Aero	2	15.2	6.0	10.6	+0.4	20.4	26	0.3	4	117	19	+47	31	29	175
Appleby 2 EWS	18	15.2	4.7	10.0	..	20.1	26	-0.6	1	115	19	..	24	29	173
Nelson AWS	4	15.6	6.2	10.9	+0.4	20.3	26	1.9	4	123	18	..	28	29	..
Blenheim Research EWS	4	16.7	7.6	12.2	+1.4	21.1	27	0.4	4	93	15	+41	25	29	179
Wairau Valley, Mill R	172	14.7	6.8	10.8	..	22.5	27	-1.9	4	154	20	..	39	29	..
Blenheim Aero AWS	35	16.0	6.1	11.1	+0.8	20.6	27	-1.5	4	141	16	+76	47	29	..
Brothers Island AWS	68	13.9	9.9	11.9	..	16.6	26	4.9	22	104	17	..	24	29	..
Awatere Valley, Dashw	83	15.9	7.1	11.5	..	20.2	6	-1.8	4	98	17	..	28	9	..
Grassmere Salt Works	2	16.3	9.1	12.7	+1.8	21.5	23	3.7	4	62	11	+19	20	10	..
Cape Campbell AWS	2	13.9	9.1	11.5	..	19.3	26	4.1	22	72	13	..	34	9	..
Boyle River Lodge	600	10.9	2.9	6.9	..	19.2	2	..	..	530	..	..	..	..	..
Hanmer Forest EWS	363	14.8	3.0	8.9	+0.9	21.9	27	-4.6	4	112	20	+15	17	17	..
Kaikoura AWS	105	15.6	7.4	11.5	+1.4	24.6	6	1.7	22	39	11	-28	21	9	..
Arthurs Pass	738	8.1	1.6	4.9	-0.4	13.3	13	-4.8	4	927	25	+560	154	5	..
Arthurs Pass EWS	738	7.7	1.2	4.5	..	13.2	13	-5.1	4	868	26	..	142	5	..
Culverden AWS	181	14.8	6.3	10.6	..	21.2	30	-1.9	4	76	17	..	22	17	..
Waiau School Cws	136	16.2	6.1	11.2	..	22.6	30	-2.2	4	57	17	..	9	17	..
Mt Cook EWS	765	10.2	0.8	5.5	-1.1	18.6	27	-6.0	22	625	27	+309	132	5	65
Craigieburn Forest	914	10.0	0.7	5.4	-0.4	18.0	29	-5.6	4	429	27	+306	74	29	..
Snowdon EWS	560	12.4	3.9	8.2	..	19.7	29	-3.2	22	112	22	..	21	12	..
Methven, Three Spring	305	14.4	4.4	9.4	..	20.8	27	-1.7	19	53	17	..	17	12	..
Methven Cws	313	14.9	5.5	10.2	..	20.8	26	-1.3	19	63	18	..	18	12	..
Winchmore EWS	160	16.0	4.2	10.1	+1.2	22.9	26	-1.4	1	32	11	-23	14	12	..
Peel Forest	286	15.2	2.5	8.9	+0.7	22.5	27	-3.2	19	53	13	-27	11	7	..
Ashburton Council	101	16.3	4.6	10.5	+1.0	23.2	27	..	..	21	13	-30	6	12	..
Ashburton Aero AWS	89	15.5	4.1	9.8	..	22.2	26	-1.8	4	18	11	..	5	12	202
Waipara West EWS	130	15.8	6.7	11.3	..	22.6	30	-0.4	19	80	15	..	19	12	181
Rangiora EWS	23	16.8	4.7	10.8	+1.5	23.8	29	-1.2	19	32	11	..	13	12	159
Darfield EWS	190	15.7	5.7	10.7	..	23.7	29	-0.5	19	67	12	..	22	12	..
Christchurch Aero	37	16.2	4.1	10.2	+0.9	23.6	29	-1.8	19	42	11	-4	12	12	176
Christchurch Gardens	7	16.7	4.7	10.7	+0.7	23.4	29	-0.5	22	40	9	-7	17	12	..
Christchurch, Kyle St	6	17.5	5.2	11.4	..	24.8	29	-0.9	22	40	9	..	18	12	..
Christchurch, New Bri	12	14.7	7.5	11.1	..	22.3	26	1.7	22	..	..	..	..	..	..
Lincoln, Broadfield E	18	16.2	5.2	10.7	+1.4	..	..	-0.6	3	45	9	..	26	12	..
Sugar Loaf AWS	618	12.6	5.1	8.9	..	20.2	29	-1.0	22	..	..	..	..	..	..
Lyttelton Harbour	5	15.9	7.8	11.9	..	22.8	26	3.4	19	25	7	..	8	12	..
Leeston, Harts Creek	12	15.5	5.0	10.3	..	22.5	29	-0.5	4	22	9	..	10	12	..
Akaroa EWS	45	16.8	7.6	12.2	..	23.9	29	1.6	19	39	8	..	14	3	176
Le Bons Bay AWS	236	13.4	6.3	9.9	+1.0	20.5	26	1.0	22	44	10	..	10	7	..
Lake Tekapo, Air Safa	762	11.6	1.0	6.3	-0.2	19.0	29	-7.0	22	48	..	-3	9	19	..
Lake Tekapo EWS	762	11.9	1.8	6.9	..	19.6	29	-6.2	22	45	14	..	8	5	194
Fairlie AWS	403	13.3	4.1	8.7	..	21.0	28	-3.0	19	44	19	..	12	5	..
Pukaki Aerodrome AWS	473	13.8	1.3	7.6	..	20.8	29	-5.6	22	56	19	..	8	16	..
Hakataramea Valley Cw	355	13.6	3.7	8.7	..	20.5	28	-2.8	19	17	17	..	2	6	..
Orari Estate	81	16.0	3.7	9.9	+1.1	23.2	28	-2.2	19	11	7	-40	4	7	..
Orari Estate Cws	81	15.5	4.0	9.8	..	22.1	28	-1.9	19	12	11	..	4	7	..
Timaru Aero AWS	26	15.5	2.7	9.1	+0.6	23.4	28	-4.0	18	12	9	-26	6	6	..



Summary of the records of Temperature, Rainfall and Sunshine September 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		
Tuvalu,Nui Is	2	31.5	25.7	28.6	..	..	..	..	..	..	..	..	..	..	
Tuvalu,Funafuti Aero	1	30.9	25.7	28.3	..	..	..	..	..	..	..	..	..	..	
Tuvalu, Niulakita Is	3	31.4	..	..	..	..	..	..	..	..	..	..	..	..	
Fiji,Rotuma	26	30.3	25.2	27.8	..	..	..	..	..	..	..	..	..	..	
Fiji, Nambowalu	36	28.4	23.3	25.9	..	..	..	..	..	..	..	..	..	..	
Fiji,Nadi Aero	15	31.1	21.1	26.1	..	..	..	18.0	6	..	..	..	..	..	
Fiji, Nadi EWS	15	30.9	21.0	26.0	..	34.0	20	17.8	6	0	1	..	0	12	
Fiji,Nausori Aero	6	28.1	21.5	24.8	..	30.5	26	18.5	2	..	..	..	..	..	
Fiji, Vunisea	33	27.7	21.8	24.8	..	30.8	13	..	..	..	..	..	..	..	
Kiribati, Kanton Isl	2	..	24.6	..	..	..	..	..	..	..	..	..	..	..	
Wallis Island, Hihifo	27	30.1	24.9	27.5	..	..	..	22.5	12	..	..	..	..	..	
Maopopo, Futuna Isla	36	29.7	24.9	27.3	..	30.6	29	22.8	12	131	20	..	25	4	
Samoa,Faleolo	4	30.8	22.0	26.4	..	..	..	..	..	..	..	..	..	..	
Samoa, Apia	1	29.5	22.1	25.8	..	..	..	..	..	..	..	..	..	..	
Samoa, Pago Pago Aero	3	29.6	25.1	27.4	..	30.8	22	..	..	..	..	..	..	..	
Tonga, Queen Lavinia	60	..	24.4	..	..	..	..	..	..	..	..	..	..	..	
Tonga, Lupepauu	67	27.9	21.6	24.8	..	..	..	16.6	18	..	..	..	..	..	
Salote Pilelevu Airpo	2	27.7	23.2	25.5	..	..	..	20.4	30	..	..	..	..	..	
Tonga,Fuaamotu Aero	38	27.5	20.6	24.1	..	..	..	..	..	..	..	..	..	..	
Niue, Hanan Airport	59	27.6	21.9	24.8	..	..	..	..	..	..	..	..	..	..	
CI Rarotonga Aero	7	27.1	21.9	24.5	..	..	..	..	..	..	..	..	..	..	
Rarotonga EWS	4	27.1	22.2	24.7	..	30.2	1	19.2	18	42	18	..	9	5	
Hiva Hoa, Atuona	51	28.8	23.0	25.9	..	30.8	12	20.6	1	48	20	..	8	16	
Tahiti - Faaa	1	29.3	22.4	25.9	..	30.8	23	19.6	14	..	..	..	..	..	
Tuamotu, Hao	3	27.5	22.5	25.0	..	..	..	20.2	13	..	..	..	..	..	
Tuamotu, Hereheretue	3	..	22.7	..	..	..	..	..	..	..	..	..	..	..	
Gambier, Rikitea	91	23.7	19.0	21.4	..	25.9	7	17.7	30	31	17	..	10	9	
Tubuai	2	25.2	20.8	23.0	..	27.0	2	17.9	9	..	..	..	..	..	
Rapa	1	21.8	16.9	19.4	..	..	..	..	..	..	..	..	..	..	
Pitcairn Is	264	21.4	16.3	18.9	..	23.9	..	14.9	13	34	..	..	26	8	
Pitcairn Island AWS	264	20.9	16.2	18.6	..	..	..	..	..	..	..	..	..	..	
Raoul Island AWS	49	20.4	15.4	17.9	..	22.5	11	10.0	6	69	9	..	45	13	
Enderby Is AWS	40	7.9	3.6	5.8	..	10.3	30	-1.1	18	158	28	..	20	5	
Campbell Island AWS	19	7.1	2.2	4.7	-1.0	10.5	11	-1.8	18	130	29	+17	18	15	
Chatham Islands AWS	48	12.7	7.6	10.2	+0.8	15.9	29	2.8	2	129	18	+56	18	12	
Chatham Island EWS	14	13.8	7.4	10.6	..	17.1	6	-0.6	9	95	16	..	19	12	
Georg Von Neumayer	40	-18.5	-27.3	-22.9	..	-5.9	16	-43.1	11	..	..	..	..	..	
Ant South Pole	2800	-57.3	-65.6	-61.5	..	-42.0	26	-73.9	3	..	..	..	..	..	
Halley Bay	30	-17.4	-25.9	-21.7	..	-7.8	18	-41.5	6	..	..	..	..	..	
Gen Belgrano 2	32	-12.7	-19.6	-16.2	..	..	..	..	..	..	..	..	..	..	
Base Jubany	4	-0.6	-4.9	-2.8	..	..	..	..	..	..	..	..	..	..	
V C Marambio	198	-5.7	-14.2	-10.0	..	9.2	10	-25.2	5	..	..	..	..	..	
Rothera Point	16	-2.2	-6.4	-4.3	..	2.6	11	-15.3	2	..	..	..	..	..	
Argentine Is, Faraday	11	-1.0	-5.6	-3.3	..	4.5	18	-13.0	9	..	..	..	..	..	
Gen San Martin	4	-0.7	-7.9	-4.3	..	7.5	13	-21.3	1	..	..	..	..	..	
Novolax Arevskaja	99	-13.2	-21.5	-17.4	..	..	..	..	..	..	..	..	..	..	
Mawson	16	-10.1	-17.3	-13.7	..	..	..	..	..	..	..	..	..	..	
Davis	13	-8.4	-14.0	-11.2	..	..	..	-25.9	12	..	..	..	..	..	
Progress	64	-9.0	-11.9	-10.5	..	..	..	-24.8	10	..	..	..	..	..	
Vostok	3420	-61.1	-68.9	-65.0	..	-42.6	16	-78.4	10	..	..	..	..	..	
Casey	41	-9.6	-18.1	-13.9	..	..	..	..	..	..	..	..	..	..	
Wilkins Runway East	755	-15.7	-24.3	-20.0	..	..	..	..	..	..	..	..	..	..	
Durmont Durville	43	-16.0	-22.5	-19.3	..	-5.5	11	-34.1	7	..	..	..	..	..	
Mcmurdo	24	-21.6	-30.8	-26.2	..	-11.6	21	-39.4	14	..	..	..	..	..	
Ant Scott Base	16	-22.7	-35.5	-29.1	..	-12.2	21	-46.8	15	..	..	..	..	..	
Ant Arrival Heights E	185	-24.0	-32.6	-28.3	..	-14.4	21	-40.8	7	..	..	..	..	..	
Ant Scott Base EWS	16	-23.3	-35.1	-29.2	..	-12.9	21	-46.3	15	..	..	..	..	..	
Darwin Airport	31	34.0	15.5	24.8	..	35.4	17	9.8	6	48	8	..	12	19	
Hobart Airport	4	21.3	6.5	13.9	..	35.0	24	0.5	8	58	16	..	26	4	

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

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine
		Means of		Mean of A and B	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 August 2010															
Kerikeri EWS	79	16.9	9.0	13.0	+1.4	20.2	28	2.5	11	282	25	+95	77	2	..
Warkworth EWS	72	15.2	8.4	11.8	..	18.2	17	0.9	11	180	28	+24	24	4	..
Tiri Tiri Lighthouse	76	14.8	10.9	12.9	+1.2	18.0	17	7.9	10	213	25	+112	38	25	..
Pakuranga, Auckland R	15	16.5	8.3	12.4	..	19.7	28	0.4	11	..	..	..	..	..	..
Wairoa, North Clyde E	15	15.3	6.4	10.9	+1.0	20.0	2	-0.8	12	149	17	+34	27	14	..
Blackball	35	13.7	3.6	8.7	..	..	..	..	..	345	..	..	138	13	..
Christchurch Gardens	7	12.1	5.1	8.6	+0.9	19.0	1	-1.6	10	92	15	+23	23	18	..
Akaroa EWS	45	12.6	6.3	9.5	..	19.2	28	3.1	6	275	16	..	111	8	105
Timaru EWS	17	10.8	4.6	7.7	..	17.4	1	-2.0	10	64	14	..	19	7	107
Rock And Pillar	270	9.9	1.7	5.8	..	15.2	1	..	..	..	..	..	..	..	..
Thornbury	20	12.7	2.3	7.5	..	17.6	1	-4.3	20	63	14	..	16	6	..
Vanuatu,Lamap	22	..	23.2	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Aneityum	6	..	19.2	..	..	..	..	..	..	..	..	..	..	..	..
Late returns and corrections for July 2010															
Wairoa, North Clyde E	15	13.1	4.9	9.0	-0.3	17.3	23	0.2	3	202	19	+75	44	7	..
Akaroa EWS	45	11.7	4.4	8.1	..	17.1	20	0.7	11	65	11	..	23	22	111
Late returns and corrections for June 2010															
Wairoa, North Clyde E	15	14.4	4.6	9.5	-0.4	19.1	6	-0.7	10	150	17	+14	57	7	..
Cheviot EWS	75	..	1.5	..	..	..	..	..	..	..	..	..	..	..	..
Akaroa EWS	45	12.0	5.9	9.0	..	19.0	19	2.9	14	195	22	..	55	26	73
Late returns and corrections for May 2010															
Wairoa, North Clyde E	15	16.6	7.5	12.1	+0.1	22.4	13	1.0	7	178	21	+43	36	24	..
Late returns and corrections for April 2010															
Pukekohe EWS	88	20.0	10.8	15.4	-0.1	24.0	5	5.8	17	51	13	..	16	27	..
Wairoa, North Clyde E	15	21.0	8.3	14.7	-0.2	25.2	22	3.3	17	108	7	-37	58	6	..
Late returns and corrections for March 2010															
Te Wharau, Brackenfie	292	20.5	9.2	14.9	..	24.8	4	3.4	19	65	10	..	20	12	..
Wairoa, North Clyde E	15	22.9	11.5	17.2	-0.2	27.8	1	7.3	18	26	11	-110	9	17	..
Raoul Is	38	25.4	19.7	22.6	+0.3	29.8	21	16.0	19	162	12	+0	59	3	191
Late returns and corrections for February 2010															
Wairoa, North Clyde E	15	25.0	14.5	19.8	+0.9	29.2	22	9.2	20	33	10	-86	13	18	..
Raoul Is	38	26.2	21.4	23.8	+1.1	28.5	18	19.1	10	110	12	-43	66	21	181
Late returns and corrections for January 2010															
Wairoa, North Clyde E	15	23.4	13.7	18.6	-0.5	31.2	3	7.4	9	281	17	+185	83	31	..
Raoul Is	38	26.0	19.1	22.6	+0.5	28.0	12	14.5	15	52	13	-76	18	29	213
Late returns and corrections for December 2009															
Wairoa, North Clyde E	15	23.5	11.9	17.7	-0.1	30.1	11	6.0	22	56	10	-48	34	2	..
Raoul Is	38	24.2	17.1	20.7	-0.1	26.5	4	15.4	29	10	4	-131	7	23	254
Late returns and corrections for November 2009															
Wairoa, North Clyde E	15	22.1	10.1	16.1	+0.3	29.8	29	3.9	12	23	9	-56	10	18	..
Raoul Is	38	22.6	15.1	18.9	-0.2	26.5	29	11.7	10	5	4	-89	4	19	233
Late returns and corrections for October 2009															
Wairoa, North Clyde E	15	16.6	7.7	12.2	-1.7	23.0	17	2.3	21	258	15	+169	70	4	..
Raoul Is	38	21.1	13.9	17.5	-0.3	23.3	18	10.5	26	29	13	-57	8	27	262
Late returns and corrections for September 2009															
Raoul Is	38	20.0	14.7	17.4	+0.7	22.7	25	11.2	6	275	16	+165	93	14	133
Late returns and corrections for August 2009															
Wairoa, North Clyde E	15	15.7	5.2	10.5	+0.6	21.4	30	-1.5	9	..	..	..	..	..	..
Raoul Is	38	19.6	13.9	16.8	+0.5	22.0	27	10.1	1	164	17	+32	48	15	168

*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 2009															
Wairoa, North Clyde E	15	12.7	4.2	8.5	-0.8	17.7	22	0.7	14	179	19	+52	57	17	..
Raoul Is	38	19.6	13.7	16.7	+0.3	22.2	4	10.0	29	70	13	-80	22	11	147
Late returns and corrections for June 2009															
Wairoa, North Clyde E	15	12.6	3.6	8.1	-1.8	..	..	..	..	..	..	..	..	..	..
Raoul Is	38	19.4	14.1	16.8	-0.8	23.4	29	10.6	25	162	23	-9	44	13	129
Late returns and corrections for May 2009															
Raoul Is	38	22.0	15.2	18.6	-0.4	24.4	2	12.0	23	109	17	-20	32	25	171
Late returns and corrections for April 2009															
Wairoa, North Clyde E	15	19.5	8.8	14.2	-0.7	25.2	27	3.3	11	70	5	-75	40	20	..
Raoul Is	38	23.5	18.0	20.8	+0.1	26.8	21	15.2	30	111	17	+9	42	25	187
Late returns and corrections for March 2009															
Wairoa, North Clyde E	15	22.0	10.4	16.2	-1.2	28.4	7	3.9	12	54	12	-82	15	31	..
Raoul Is	38	26.2	20.3	23.3	+1.0	30.0	2	16.5	14	94	16	-68	32	22	181
Late returns and corrections for February 2009															
Wairoa, North Clyde E	15	25.4	14.6	20.0	+1.1	37.3	1	10.3	14	206	15	+88	92	24	..
Raoul Is	38	27.2	21.6	24.4	+1.7	28.4	26	18.5	18	211	15	+58	86	6	155
Late returns and corrections for January 2009															
Wairoa, North Clyde E	15	25.9	13.5	19.7	+0.6	33.2	8	8.0	29	42	7	-54	22	11	..
Raoul Is	38	26.3	20.4	23.4	+1.3	28.1	19	16.0	26	18	13	-110	12	1	246

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.