

JANUARY 2011

Summary of the records of Temperature, Rainfall and Sunshine January 2011

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		
Cape Reinga AWS	214	22.7	17.0	19.9	..	25.3	7	14.5	2	317	15	+253	130	28	..
Kaitaia Aero EWS	80	24.6	16.4	20.5	..	27.5	7	11.8	2	240	7	..	127	28	..
Kaitaia Observatory	85	24.8	16.3	20.6	..	27.5	8	12.2	2	274	7	+189	137	28	230
Kaitaia EWS	85	24.4	16.1	20.3	+0.8	27.2	7	11.8	2	255	7	..	124	28	230
Kerikeri EWS	79	24.3	15.2	19.8	+0.6	27.3	8	11.7	2	450	10	+333	252	28	..
Kerikeri Aerodrome Aw	150	24.3	15.4	19.9	..	27.7	27	11.8	30	442	15	..	249	28	..
Kaikohe AWS	204	25.7	16.4	21.1	+2.5	40.6	2	13.0	10	366	15	+262	210	28	..
Trounson Cws	220	23.3	14.6	19.0	..	28.8	17	10.3	11	34	3	..	14	28	..
Dargaville 2 EWS	66	24.7	15.6	20.2	..	29.0	18	12.3	11	212	9	..	100	28	225
Purerua AWS	82	23.7	17.2	20.5	..	..	..	..	..	..	..	..	..	..	..
Whangarei Aero AWS	37	24.8	16.8	20.8	+0.8	27.8	18	13.7	12	359	11	+278	211	28	..
Mokohinau AWS	60	22.9	18.5	20.7	..	25.3	16	16.8	22	280	8	+227	136	22	..
Leigh 2	27	24.0	16.9	20.5	+1.1	26.4	7	14.0	20	383	11	+309	194	28	..
Warkworth EWS	72	23.4	14.8	19.1	..	27.9	7	11.2	16	320	12	+228	161	28	..
Whangaparaoa AWS	89	24.2	17.0	20.6	..	26.5	7	14.0	30	288	12	..	150	28	..
Kumeu Ews, Auckland R	16	23.8	13.7	18.8	..	28.0	7	8.7	16	137	8	..	64	28	..
Whenuapai AWS	26	24.4	15.3	19.9	..	28.1	7	10.7	16	..	..	..	..	..	..
North Shore, Auckland	20	24.6	17.0	20.8	..	..	..	15.0	16	..	..	..	..	..	..
North Shore Albany Ew	64	23.8	16.3	20.1	..	26.4	8	12.9	16	210	9	..	102	28	246
Henderson, River Pk	7	26.1	15.6	20.9	+1.3	30.2	7	11.9	14	192	10	+100	77	28	..
Henderson, Auckland R	35	24.9	16.8	20.9	..	28.2	3	..	..	..	..	..	..	..	..
Lincoln Rd, Auckland	25	25.2	14.7	20.0	..	..	..	11.3	14	..	..	..	..	..	..
Khyber Pass, Auckland	81	24.0	16.8	20.4	..	28.5	3	14.3	22	232	10	..	97	28	..
Onehunga, Auckland Re	5	24.2	17.9	21.1	+1.4	27.8	7	15.7	22	..	..	..	..	..	..
Waiheke Island, Awaro	34	25.0	15.7	20.4	..	28.0	17	11.0	2	281	9	+198	151	28	..
Whitianga Aero AWS	5	23.9	15.5	19.7	+0.9	..	..	..	..	418	14	+320	220	28	..
Thames 2	3	25.4	15.6	20.5	+0.8	29.6	18	11.5	20	271	9	+212	142	28	..
Paeroa AWS	18	26.0	15.2	20.6	+1.0	31.9	17	11.0	10	120	10	+43	53	28	..
Toenepi EWS	48	25.6	14.6	20.1	..	29.7	17	10.2	20	130	8	..	67	28	..
Matamata, Hinuera EWS	106	24.8	13.0	18.9	..	29.0	17	7.7	20	268	10	..	86	28	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	238
Tauranga Aero AWS	4	24.3	16.9	20.6	+1.4	28.5	27	12.2	30	347	13	+274	174	28	..
Te Puke EWS	91	23.9	14.8	19.4	..	28.2	27	10.8	30	425	13	+325	175	28	..
Whakatane Aero AWS	7	24.5	15.4	20.0	+0.8	28.9	19	9.8	10	337	11	+257	110	28	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	232
White Island AWS	310	20.8	14.8	17.8	..	..	..	..	..	..	..	..	..	..	..
Mamaku Radar Wxt AWS617	19.8	12.3	16.1	..	..	24.8	17	9.2	30	250	9	..	98	28	..
Kawerau AWS	42	26.0	15.0	20.5	..	30.3	27	10.3	9	..	..	..	..	..	193
Rotorua Aero AWS	283	23.4	13.4	18.4	+0.7	27.7	17	7.8	30	424	13	+334	158	28	..
Galatea AWS	174	23.9	14.2	19.1	..	29.0	27	8.4	30	305	12	..	112	28	..
Taupo Wxt AWS	385	23.7	13.9	18.8	..	30.7	17	10.8	9	279	8	..	115	23	..
Tarapounamu EWS	701	19.4	10.9	15.2	..	26.9	17	6.3	13	436	15	..	154	23	..
Taupo AWS	400	23.6	12.6	18.1	+0.7	28.4	4	8.0	14	279	8	..	114	23	..
Opotiki	5	23.9	15.3	19.6	+0.9	26.8	8	10.2	9	262	12	+181	102	28	..
Motu EWS	488	21.1	11.8	16.5	..	28.2	27	5.6	30	411	18	..	100	22	..
Otamatuna, Te Mapou H	624	20.0	11.6	15.8	..	25.9	17	6.4	9	..	..	..	..	..	..
Auckland, Mangere EWS	5	24.5	16.9	20.7	..	27.5	7	14.3	17	235	8	..	91	22	206
Wiri, Auckland Region	18	24.0	17.4	20.7	+1.5	27.3	7	14.6	2	..	..	..	..	..	..
Pakuranga, Auckland R	15	25.6	16.6	21.1	..	..	..	13.6	20	..	..	..	..	..	..
Penrose Ews, Auckland	30	25.0	16.1	20.6	..	..	..	13.5	22	..	..	..	..	..	..
Auckland Aero	33	24.3	17.0	20.7	+0.9	27.2	17	14.4	16	184	8	+117	73	28	..
Ardmore	23	25.6	..	..	..	..	..	..	..	234	9	+157	104	28	..
Pukekohe EWS	88	24.1	14.6	19.4	+0.8	28.3	7	11.4	2	185	11	..	66	22	..
Firth Of Thames EWS	1	26.9	13.8	20.4	..	31.2	18	9.0	2	548	8	..	276	28	..
Whatawhata 2 EWS	118	24.5	14.2	19.4	..	28.3	17	10.9	14	279	10	..	80	22	..
Hamilton, Ruakura 2 E	45	26.0	14.7	20.4	..	29.8	17	10.6	20	216	10	..	65	22	235
Hamilton AWS	53	25.4	13.5	19.5	+1.3	30.3	17	9.0	17	225	9	+145	69	22	..
Lake Karapiro Cws	55	25.1	15.2	20.2	..	30.1	17	11.6	9	195	9	..	80	22	..
Port Taharoa AWS	27	24.3	16.1	20.2	+1.1	29.9	18	13.1	14	147	9	..	73	23	..
Waikeria	46	25.9	13.6	19.8	+1.4	29.8	26	10.2	1	252	7	+168	80	22	..
Te Kuiti EWS	62	24.7	12.9	18.8	..	28.2	4	8.0	14	203	10	..	97	23	237
Pureora Forest Cws	549	21.6	11.1	16.4	..	27.4	17	6.4	13	258	11	..	101	23	..
Taumarunui	171	24.6	13.2	18.9	+0.6	29.5	17	7.1	14	205	12	+90	86	23	..

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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		
Taumarunui AWS	195	25.6	11.9	18.8	..	30.9	4	4.2	14	236	10	..	120	23	253
Turangi 2 EWS	350	23.0	10.3	16.7	..	29.2	17	3.8	9	241	11	..	124	23	258
New Plymouth Aero	27	..	..	..	..	..	..	..	..	..	..	..	..	..	270
New Plymouth AWS	30	23.2	13.3	18.3	+0.6	27.2	18	9.4	2	140	7	+43	90	23	..
Mt Ruapehu, Chateau E	1097	18.4	7.4	12.9	+0.5	24.5	17	2.6	20	256	12	+47	68	18	..
Pahiatua EWS	110	22.9	11.7	17.3	..	29.3	5	4.1	14	94	13	..	47	23	..
Alfredton EWS	240	23.1	12.0	17.6	..	30.0	18	2.8	14	124	15	..	68	23	..
Masterton Aero AWS	138	24.6	12.1	18.4	..	32.5	18	4.2	14	112	11	..	72	23	..
Masterton, Te Ore Ore	110	23.9	6.7	15.3	..	32.3	18	-0.1	14	115	8	..	81	23	..
Kopua	311	22.5	12.3	17.4	+0.6	31.5	18	4.4	14	155	13	+86	67	23	..
Takapau Plains AWS	330	22.3	11.3	16.8	..	29.7	18	3.6	14	203	14	..	84	23	..
Dannevirke EWS	207	23.0	13.0	18.0	..	31.5	18	5.6	14	139	11	..	84	23	198
Waione EWS	48	24.1	12.9	18.5	..	34.3	18	4.9	14	112	14	..	48	23	..
Cape Turnagain AWS	292	18.8	13.3	16.1	..	25.2	4	9.1	13	184	18	..	101	23	..
Akatio EWS	245	20.2	12.6	16.4	..	29.3	18	7.5	14	126	18	..	53	23	212
Castlepoint Station	9	22.4	14.5	18.5	..	29.3	6	9.6	12	116	12	+63	60	23	..
Castlepoint AWS	120	21.2	14.2	17.7	-0.2	28.6	4	9.6	13	122	13	..	66	23	..
Baring Head	79	19.3	13.8	16.6	..	27.8	18	8.6	14	41	8	..	26	23	..
Te Wharau, Brackenfie	292	22.3	10.9	16.6	..	30.4	18	3.8	15	147	14	..	77	23	..
Martinborough EWS	20	24.1	12.9	18.5	..	31.4	18	4.1	14	78	7	..	63	23	200
Ngawi AWS	6	22.6	14.9	18.8	..	29.4	26	10.8	13	86	7	..	52	23	..
Hicks Bay AWS	46	22.1	16.1	19.1	+0.5	26.7	27	11.5	15	60	13	..	23	28	..
Gisborne Aero	4	..	..	..	..	..	..	..	..	..	..	..	..	..	227
Gisborne AWS	5	25.4	14.7	20.1	+0.9	33.8	19	5.8	14	143	8	+87	65	22	..
Tolaga Bay Wxt AWS	12	22.7	15.0	18.9	..	33.0	19	8.7	14	125	11	..	61	28	..
Napier Aero AWS	3	24.0	14.2	19.1	+0.3	32.4	16	8.1	14	212	10	+159	72	23	..
Napier Nelson Pk	2	24.8	15.3	20.1	+0.6	32.0	15	9.2	14	202	10	+154	76	23	213
Hastings AWS	16	25.1	14.7	19.9	..	33.0	16	7.0	14	194	8	..	69	23	..
Whakatu EWS	5	23.5	13.4	18.5	..	31.4	16	6.3	14	..	..	..	..	..	..
Waipawa EWS	130	23.5	12.0	17.8	..	31.2	3	4.5	14	160	10	..	71	23	234
Wairoa, North Clyde E	15	24.6	14.2	19.4	+0.3	32.3	3	7.0	14	285	12	+189	77	28	..
Mahia Radar Wxt AWS	419	19.7	13.6	16.7	..	26.4	7	9.5	14	174	12	..	64	22	..
Mahia AWS	136	22.6	14.7	18.7	+0.5	31.5	19	..	..	86	14	..	29	28	..
Cape Kidnappers Wxt A	118	20.5	15.6	18.1	..	28.1	19	11.0	13	183	11	..	66	23	..
Paraparaumu Aero	5	21.9	13.8	17.9	+0.6	28.4	18	5.5	10	65	12	-5	29	23	238
Paraparaumu Aero AWS	5	21.6	13.9	17.8	+0.7	28.0	18	5.5	10	63	9	..	29	23	267
Ohakea AWS	50	23.1	14.0	18.6	..	31.4	18	8.4	14	..	..	..	..	..	..
Palmerston North AWS	39	23.7	13.1	18.4	+0.8	32.5	18	5.2	14	92	12	+36	58	23	..
Palmerston North EWS	21	22.8	13.4	18.1	..	31.2	18	6.4	14	71	13	..	40	23	203
Levin AWS	14	22.8	13.1	18.0	+0.4	31.4	18	6.2	11	69	10	..	44	23	..
Mana Island	2	21.5	14.5	18.0	+0.6	25.8	18	9.3	14	59	9	..	33	23	..
Mana Island AWS	100	18.8	13.6	16.2	..	24.7	18	9.1	14	59	8	..	37	23	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	211
Wellington, Kelburn A	125	20.0	13.6	16.8	..	25.5	18	8.8	14	83	12	..	45	23	..
Wellington Aero	4	20.8	14.6	17.7	-0.1	29.4	18	10.2	14	66	9	+5	39	23	..
Wallaceville EWS	56	22.3	12.1	17.2	..	28.5	18	4.1	14	74	9	-10	36	23	181
Stratford EWS	300	21.3	11.4	16.4	..	26.0	18	7.5	25	231	8	..	164	23	245
Hawera AWS	98	21.2	12.4	16.8	..	30.7	18	6.7	14	148	11	..	118	23	..
Ohakune EWS	607	22.3	10.3	16.3	..	29.5	17	3.9	12	183	9	..	125	23	282
Waiouru	806	20.6	9.0	14.8	+0.7	28.8	17	2.3	14	197	10	+111	121	23	..
Waiouru AWS	820	20.5	8.8	14.7	..	28.2	17	1.9	14	159	10	+68	86	23	..
Taihape Rec	433	24.2	10.1	17.2	+0.5	32.2	17	2.8	14	138	10	+67	74	23	..
Flat Hills Wxt AWS	263	22.1	12.3	17.2	..	30.1	18	6.8	14	68	9	..	50	23	..
Wanganui, Spriggens Pa	15	23.4	14.5	19.0	+0.8	31.1	18	9.6	14	156	6	+94	125	23	..
Wanganui AWS	8	22.4	14.2	18.3	+0.2	30.7	18	9.0	10	144	9	..	115	23	..
Wanganui 2 AWS	18	23.7	14.0	18.9	..	31.3	18	8.6	14	..	..	..	..	..	..
Takaka, Kotinga 2	25	23.5	12.2	17.9	+1.0	30.0	3	9.0	26	117	6	-25	63	18	..
Takaka EWS	20	23.4	12.2	17.8	..	29.7	3	9.0	26	111	6	..	59	18	255
Farewell Spit AWS	3	21.8	14.8	18.3	+0.7	26.9	27	11.8	8	55	6	..	22	18	..
Westport Aero AWS	2	21.0	13.3	17.2	+1.0	22.9	22	..	..	125	13	-55	60	18	..
Arapito	18	22.0	12.4	17.2	+0.8	25.4	5	8.4	8	151	11	-43	69	18	227
Arapito EWS	18	21.5	11.7	16.6	..	25.0	5	7.8	8	142	12	..	67	18	..
Murchison EWS	185	25.2	10.7	18.0	..	30.3	17	5.2	8	99	11	-27	61	18	..

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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			
Lake Rotoiti EWS	634	22.1	9.1	15.6	..	28.2	26	4.1	8	68	10	..	42	18	..
Hokitika Aero	39	20.0	12.2	16.1	+0.5	22.6	20	7.0	13	286	16	+36	76	18	205
Hokitika AWS	38	20.0	12.1	16.1	+0.5	22.6	20	7.0	13	283	15	..	72	18	..
Reefton EWS	198	24.0	11.8	17.9	+1.1	28.6	24	6.4	9	137	8	-22	84	18	215
Blackball	35	22.8	10.6	16.7	..	27.0	24	7.2	8	393	..	..	..	..	..
Greymouth Aero	4	21.0	13.7	17.4	+1.5	..	..	9.7	8	244	15	+28	113	18	192
Greymouth Aero EWS	5	20.1	13.1	16.6	..	24.3	22	8.7	8	237	15	..	109	18	221
Pigeon Creek Cws	105	21.0	12.1	16.6	..	25.7	9	8.2	8	518	15	..	154	18	..
Mt Philistine EWS	1655	12.3	5.9	9.1	..	..	..	1.7	13	720	19	..	214	18	..
Okarito	2	19.7	12.4	16.1	..	21.8	24	8.5	1	407	15	+53	75	26	..
Franz Josef	155	..	11.1	..	..	..	..	..	..	589	16	+75	108	30	..
Franz Josef EWS	80	19.3	11.3	15.3	..	22.9	9	7.2	8	550	19	..	95	30	146
Haast AWS	5	19.0	11.9	15.5	+0.7	20.8	9	8.2	30	440	19	..	125	2	..
Milford Sound	3	19.2	11.1	15.2	+0.5	22.6	9	7.0	13	880	19	+158	219	2	..
Milford Sound AWS	3	20.0	11.1	15.6	..	25.0	9	6.8	13	834	20	..	211	2	..
Secretary Island AWS	19	18.5	11.9	15.2	..	22.9	8	8.6	13	293	16	..	88	30	..
Puysegur Point AWS	44	16.5	11.8	14.2	+0.5	19.9	21	9.0	20	206	18	-9	63	30	..
Motueka, Riwaka EWS	8	..	11.4	..	..	..	..	..	..	..	..	..	..	..	..
Pelorus Sd, Crail Bay	13	22.0	14.2	18.1	+0.4	27.1	31	10.1	14	95	9	-56	42	18	..
Nelson Aero	2	22.9	14.2	18.6	+0.9	28.4	27	10.2	9	53	7	-19	37	18	265
Appleby 2 EWS	18	22.7	10.9	16.8	..	29.0	27	5.9	22	35	6	..	27	18	284
Nelson AWS	4	23.2	14.1	18.7	+0.9	27.6	27	10.5	9	47	7	..	32	18	..
Blenheim Research EWS	4	23.0	13.0	18.0	+0.0	29.0	2	3.4	13	40	7	-8	20	23	226
Blenheim Aero AWS	35	23.3	12.1	17.7	-0.2	30.5	3	5.1	14	48	8	-5	27	18	..
Brothers Island AWS	68	18.5	14.0	16.3	..	22.8	29	11.0	13	55	8	..	44	23	..
Awatere Valley, Dashw	83	23.2	12.7	18.0	..	30.0	3	5.4	10	..	..	..	..	..	..
Grassmere Salt Works	2	23.5	15.3	19.4	+1.4	30.8	7	8.8	14	38	6	+1	22	23	..
Cape Campbell AWS	2	19.2	14.0	16.6	..	..	..	..	..	142	9	..	103	26	..
Hanmer Forest EWS	363	23.2	9.1	16.2	+0.3	31.2	25	1.0	10	40	12	-29	16	18	..
Kaikoura AWS	105	20.6	13.0	16.8	+0.2	31.3	16	8.9	13	49	9	+3	11	23	..
Arthurs Pass	738	18.2	8.9	13.6	+0.8	24.2	9	4.6	13	452	13	+41	166	18	..
Arthurs Pass EWS	738	17.9	8.4	13.2	..	23.8	9	4.1	13	424	16	..	150	18	..
Culverden AWS	181	22.3	12.1	17.2	..	31.0	6	5.8	10	40	15	..	18	18	..
Waiau School Cws	136	24.2	12.1	18.2	..	32.1	25	..	..	41	15	..	13	12	..
Mt Potts EWS	2128	9.7	2.4	6.1	..	17.0	17	-3.6	13	174	20	..	51	18	..
Mt Cook EWS	765	20.2	8.1	14.2	-0.4	25.3	14	3.4	13	529	17	+118	120	2	166
Mueller Hut EWS	1818	11.4	4.2	7.8	..	..	..	..	..	..	..	..	..	..	..
Craigieburn Forest	914	20.2	7.2	13.7	+0.0	26.6	17	3.0	9	142	16	+40	97	18	..
Snowdon EWS	560	20.3	9.0	14.7	..	25.1	6	2.9	9	70	15	..	35	18	..
Hororata, Illana	196	22.7	9.7	16.2	..	33.6	..	3.2	9	61	15	..	18	28	..
Methven, Three Spring	305	20.5	10.2	15.4	..	28.9	2	5.9	24	64	16	..	25	18	..
Methven Cws	313	21.2	10.6	15.9	..	30.6	16	6.0	24	71	18	..	27	18	..
Winchmore EWS	160	21.6	10.2	15.9	-0.5	31.6	16	5.2	24	45	15	-10	25	18	..
Peel Forest	286	20.6	8.5	14.6	-0.9	30.7	16	4.0	24	104	16	+3	25	18	..
Ashburton Council	101	22.6	10.4	16.5	-0.7	32.0	2	6.5	14	49	17	-6	22	18	..
Ashburton Aero AWS	89	21.3	10.3	15.8	..	32.3	16	5.3	9	50	15	..	21	18	199
Waipara West EWS	130	22.7	12.1	17.4	..	32.4	6	6.1	10	56	11	..	24	18	217
Rangiora EWS	23	22.3	12.2	17.3	+0.6	32.6	16	6.1	10	50	12	..	26	18	194
Darfield EWS	190	22.5	11.2	16.9	..	31.8	16	6.2	9	57	14	..	25	18	..
Christchurch Aero	37	22.6	12.1	17.4	+0.3	33.8	16	5.8	14	58	11	+15	26	18	209
Christchurch Gardens	7	22.8	12.7	17.8	+0.4	..	..	7.7	14	56	13	+14	25	18	..
Christchurch, Kyle St	6	22.8	13.4	18.1	..	34.5	16	8.4	14	56	12	..	26	18	..
Christchurch, New Bri	12	20.1	13.9	17.0	..	31.5	16	9.8	13	..	..	..	..	..	..
Lincoln, Broadfield E	18	21.5	11.6	16.6	-0.1	32.6	16	4.9	14	37	11	..	21	18	..
Sugar Loaf AWS	618	19.1	10.0	14.6	..	28.9	16	5.8	13	..	..	..	..	..	..
Lyttelton Harbour	5	21.3	14.1	17.7	..	33.0	16	10.1	13	28	12	..	19	18	..
Leeston, Harts Creek	12	21.1	11.1	16.1	..	31.3	16	5.3	14	37	12	..	20	18	..
Akaroa EWS	45	22.3	12.8	17.6	..	32.6	16	9.2	13	37	12	..	17	18	207
Le Bons Bay AWS	236	19.8	11.6	15.7	+0.4	30.5	16	7.6	13	33	14	..	16	18	..
Lake Tekapo, Air Safa	762	20.5	8.7	14.6	-0.6	28.6	17	3.1	13	24	7	-17	11	5	..
Lake Tekapo EWS	762	20.8	8.9	14.9	..	27.6	16	3.2	13	23	7	..	11	5	232
Fairlie AWS	403	19.5	10.0	14.8	..	28.7	16	5.6	30	20	12	..	8	18	..
Pukaki Aerodrome AWS	473	22.8	9.4	16.1	..	28.7	17	1.4	30	24	9	..	9	5	..



Summary of the records of Temperature, Rainfall and Sunshine January 2011

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		
New Cal, La Tontouta	14	31.1	23.3	27.2	..	36.0	2	19.9	20	..	..	..	..	..	
New Cal, Nouma	72	29.6	24.3	27.0	..	33.5	31	22.3	15	467	22	..	206	14	
New Cal, Moue	97	28.5	24.4	26.5	..	..	..	..	..	..	..	..	..	..	
Kiribati, Tarawa	2	30.5	25.7	28.1	..	..	..	24.8	22	..	..	..	..	..	
Tuvalu, Nanumea Is	2	30.7	25.9	28.3	..	..	..	..	..	..	..	..	..	..	
Tuvalu, Nui Is	2	30.6	25.9	28.3	..	..	..	..	..	..	..	..	..	..	
Tuvalu, Funafuti Aero	1	30.2	25.6	27.9	..	..	..	..	..	..	..	..	..	..	
Tuvalu, Niulakita Is	3	..	24.5	..	..	..	..	..	..	..	..	..	..	..	
Fiji, Rotuma	26	30.0	24.4	27.2	..	..	..	..	..	..	..	..	..	..	
Fiji, Nadi Aero	15	30.4	23.3	26.9	..	33.7	24	..	..	..	..	..	..	..	
Fiji, Nausori Aero	6	30.3	23.1	26.7	..	..	..	20.7	5	..	..	..	..	..	
Fiji, Vunisea	33	30.0	24.0	27.0	..	..	..	..	..	..	..	..	..	..	
Wallis Island, Hihifo	27	29.6	23.9	26.8	..	31.2	13	22.4	26	..	..	..	..	..	
Maopoopo, Futuna Isla	36	29.8	24.4	27.1	..	32.9	23	22.9	3	..	..	..	..	..	
Samoa, Faleolo	4	29.8	22.5	26.2	..	..	..	..	..	..	..	..	..	..	
Samoa, Apia	1	29.4	22.7	26.1	..	..	..	..	..	..	..	..	..	..	
Samoa, Pago Pago Aero	3	29.8	24.6	27.2	..	..	..	..	..	..	..	..	..	..	
Tonga, Queen Lavinia	60	29.9	23.6	26.8	..	..	..	..	..	..	..	..	..	..	
Tonga, Lupepauu	67	28.8	22.8	25.8	..	..	..	19.0	3	..	..	..	..	..	
Salote Pilelevu Airpo	2	..	24.2	..	..	..	..	..	..	..	..	..	..	..	
Tonga, Fuaamotu Aero	38	29.1	23.3	26.2	..	..	..	..	..	..	..	..	..	..	
Niue, Hanan Airport	59	28.9	24.0	26.5	..	..	..	..	..	..	..	..	..	..	
CI Rarotonga Aero	7	28.8	23.8	26.3	..	..	..	..	..	..	..	..	..	..	
Rarotonga EWS	4	29.0	23.8	26.4	..	29.8	1	21.2	26	140	24	..	25	1	
Vanuatu, Saratamata	18	30.1	24.4	27.3	..	..	..	..	..	..	..	..	..	..	
Hiva Hoa, Atuona	51	29.7	23.1	26.4	..	32.2	3	21.6	5	..	..	..	..	..	
Tahiti - Faa	1	30.9	23.6	27.3	..	32.2	11	21.4	23	57	21	..	19	22	
Tuamotu, Takaroa	2	29.7	25.0	27.4	..	..	..	21.9	22	95	23	..	26	21	
Tuamotu, Hao	3	28.9	23.9	26.4	..	30.3	7	20.6	5	..	..	..	..	..	
Gambier, Rikitea	91	28.3	22.5	25.4	..	..	..	..	..	..	..	..	..	..	
Tubuai	2	28.6	23.4	26.0	..	..	..	20.4	21	168	24	..	68	24	
Rapa	1	27.6	22.6	25.1	..	..	..	..	..	181	19	..	156	23	
Pitcairn Is	264	26.3	20.8	23.6	..	27.5	24	19.4	..	26	..	..	10	18	
Pitcairn Island AWS	264	26.2	20.6	23.4	..	27.3	14	19.0	23	27	15	..	8	18	
Raoul Island AWS	49	26.9	22.0	24.5	..	30.5	30	18.1	5	32	13	..	15	5	
Enderby Is AWS	40	12.3	8.3	10.3	..	14.4	9	5.7	19	149	21	..	33	18	
Campbell Island AWS	19	10.9	6.9	8.9	-0.7	13.8	26	-0.7	21	156	25	+44	40	15	
Chatham Islands AWS	48	17.5	11.6	14.6	-0.1	20.7	4	6.8	26	104	15	+51	36	29	
Chatham Island EWS	14	18.2	12.0	15.1	..	21.9	16	4.3	2	89	12	..	34	29	
Georg Von Neumayer	40	-0.7	-7.3	-4.0	..	0.8	19	-12.7	25	..	..	..	..	..	
Ant South Pole	2827	-23.8	-27.2	-25.5	..	-20.2	12	-29.6	4	..	..	..	..	..	
Halley Bay	30	-1.3	-5.6	-3.5	..	2.0	13	-9.6	8	..	..	..	..	..	
Gen Belgrano 2	32	-1.0	-6.7	-3.9	..	6.6	11	-11.3	20	..	..	..	..	..	
Base Jubany	4	3.9	-0.1	1.9	..	9.2	3	-2.0	12	..	..	..	..	..	
Dinamet	10	3.6	0.3	2.0	..	7.2	3	-2.0	12	..	..	..	..	..	
V C Marambio	198	0.9	-3.5	-1.3	..	7.8	3	-6.4	12	..	..	..	..	..	
Eduardo Frei	10	2.4	-0.5	1.0	..	4.9	3	-2.7	12	..	..	..	..	..	
Arturo Prat		3.2	-0.3	1.5	..	7.3	12	-1.8	10	..	..	..	..	..	
Bernado Ohiggins	10	1.6	-0.9	0.4	..	5.0	3	-6.0	21	..	..	..	..	..	
Palmer Station	8	4.5	0.4	2.5	..	8.1	24	-1.5	6	..	..	..	..	..	
Rothera Point	16	2.9	-0.3	1.3	..	5.7	13	-3.3	6	..	..	..	..	..	
Argentine Is, Faraday	11	3.8	-0.5	1.7	..	7.1	30	-3.3	12	..	..	..	..	..	
Gen San Martin	4	4.7	-1.1	1.8	..	..	..	..	..	..	..	..	..	..	
King Sejong	11	3.2	0.0	1.6	..	..	..	..	..	..	..	..	..	..	
Novolax Arevskaja	99	2.9	-0.9	1.0	..	..	..	..	..	..	..	..	..	..	
Mawson	16	2.8	-3.1	-0.2	..	5.4	16	-6.0	28	..	..	..	..	..	
Davis	13	3.6	-1.0	1.3	..	..	..	..	..	..	..	..	..	..	
Progress	64	3.0	-1.2	0.9	..	7.1	23	-4.0	28	..	..	..	..	..	
Vostok	3420	-26.0	-36.0	-31.0	..	-20.1	30	..	..	..	..	..	..	..	
Casey	41	3.7	-1.6	1.1	..	..	..	..	..	..	..	..	..	..	
Durmont Durville	43	1.9	-2.5	-0.3	..	4.5	4	-6.3	6	..	..	..	..	..	
Mcmurdo	24	-1.1	-6.1	-3.6	..	4.7	17	-13.5	26	..	..	..	..	..	
Ant Scott Base	16	-2.3	-8.7	-5.5	..	5.3	18	-17.0	24	..	..	..	..	..	

Summary of the records of Temperature, Rainfall and Sunshine January 2011

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		
Ant Arrival Heights E	185	-2.3	-8.1	-5.2	..	4.5	17	-15.7	25	..	..	..	..	..	
Ant Scott Base EWS	16	-1.9	-7.9	-4.9	..	..	..	-15.5	24	..	..	..	..	..	
Darwin Airport	31	31.0	21.5	26.3	..	34.2	27	17.7	5	606	26	..	74	10	
Hobart Airport	4	28.4	13.6	21.0	..	34.4	8	7.2	23	41	13	..	11	8	
Late returns and corrections for December 2010															
Dargaville 2 EWS	66	24.1	15.8	20.0	..	29.8	13	10.3	10	193	12	..	109	17	157
Warkworth EWS	72	22.9	15.1	19.0	..	28.4	22	7.6	10	145	12	+37	44	19	..
Tiri Tiri Lighthouse	76	21.6	16.9	19.3	+1.6	25.0	22	..	..	105	12	+39	35	19	..
North Shore, Auckland	20	23.9	16.7	20.3	..	29.1	22	11.7	10	..	..	..	..	..	..
North Shore Albany Ew	64	23.0	16.2	19.6	..	28.0	22	9.9	10	124	13	..	38	19	203
Waiheke Island, Awaro	34	23.4	15.4	19.4	..	27.3	15	10.0	1	123	9	+33	55	19	..
Thames 2	3	24.1	15.6	19.9	+1.7	27.0	12	10.0	11	91	..	+18	29	19	..
Matamata, Hinuera EWS	106	23.6	13.4	18.5	..	29.0	12	5.9	10	98	11	..	41	19	..
Tarapounamu EWS	701	19.3	10.2	14.8	..	26.4	12	4.3	9	155	14	..	69	19	..
Taupo AWS	400	22.8	13.3	18.1	+2.4	28.2	15	7.0	30	58	11	..	26	19	..
Opotiki	5	22.6	14.0	18.3	+1.2	26.3	14	8.0	1	154	11	+43	63	19	..
Auckland, Mangere EWS	5	23.0	16.9	20.0	..	27.3	22	13.2	1	113	13	..	36	19	169
Te Kuiti EWS	62	23.3	13.5	18.4	..	29.1	15	6.7	10	193	14	..	38	19	165
Turangi 2 EWS	350	22.3	11.6	17.0	..	27.8	15	2.9	10	159	13	..	28	17	195
Pahiatua EWS	110	21.5	13.1	17.3	..	27.2	21	3.0	9	71	16	..	13	19	..
Dannevirke	207	22.5	13.2	17.9	+2.1	28.6	12	7.5	9	61	12	-22	20	18	171
Dannevirke EWS	207	22.7	13.6	18.2	..	29.9	4	7.9	9	54	9	..	19	18	180
Akitio EWS	245	19.6	12.6	16.1	..	27.1	27	6.2	9	43	14	..	11	19	188
Martinborough EWS	20	23.4	13.0	18.2	..	28.7	18	5.5	10	26	10	..	8	16	206
Whakatu EWS	5	23.0	13.7	18.4	..	30.9	22	6.3	10	26	8	..	6	14	..
Waipawa EWS	130	22.9	12.1	17.5	..	29.0	27	4.6	10	36	8	..	12	16	190
Palmerston North EWS	21	22.3	13.9	18.1	..	27.3	21	9.0	9	67	14	..	16	17	151
Wellington Aero	4	20.4	14.3	17.4	+1.0	24.1	18	10.3	29	91	13	+23	34	27	..
Wallaceville EWS	56	22.0	12.4	17.2	..	26.3	4	5.6	8	130	13	+28	49	27	155
Stratford EWS	300	20.1	11.7	15.9	..	23.4	30	6.5	10	298	12	..	95	27	150
Ohakune EWS	607	21.3	10.8	16.1	..	25.2	15	3.1	10	89	14	..	24	28	217
Wanganui, Spriggens Pa	15	23.3	14.7	19.0	+2.3	29.2	27	10.5	9	70	10	+0	21	16	..
Hokitika Aero	39	19.0	12.3	15.7	+1.4	22.1	12	7.5	23	418	17	+140	88	27	154
Blackball	35	21.8	11.2	16.5	..	26.7	..	6.8	..	534	..	..	174	27	..
Maud Island	15	20.4	14.5	17.5	..	22.8	18	11.1	9	395	..	..	111	20	..
Appleby 2 EWS	18	22.2	11.8	17.0	..	26.0	11	5.6	5	180	10	..	53	18	245
Blenheim Research EWS	4	23.0	13.3	18.2	+1.6	29.3	6	8.0	4	132	12	+81	36	27	225
Arthurs Pass EWS	738	17.4	8.7	13.1	..	23.3	2	3.7	9	957	17	..	252	27	..
Waipara West EWS	130	23.4	12.7	18.1	..	30.7	18	6.3	10	21	11	..	4	16	237
Rangiora EWS	23	22.9	11.9	17.4	+2.0	32.8	18	4.9	23	33	9	..	11	28	199
Darfield	195	23.8	11.5	17.7	+2.0	..	..	5.8	10	54	..	-12	22	28	..
Lincoln, Broadfield E	18	22.1	12.3	17.2	+1.9	31.4	18	4.2	23	39	8	..	16	28	..
Akaroa EWS	45	22.9	13.5	18.2	..	32.0	18	7.8	10	52	10	..	16	28	217
Lauder EWS	375	22.7	9.9	16.3	..	28.9	4	-0.5	9	74	11	..	34	27	..
Tapanui	180	20.9	9.0	15.0	+1.7	28.2	21	-0.5	9	79	..	-12	28	27	..
Winton	44	19.9	9.8	14.9	+1.5	28.0	17	1.5	9	82	12	-4	40	27	124
Balclutha, Finegand	6	20.9	10.5	15.7	+1.8	29.5	21	2.6	9	43	14	-23	11	28	118
Tautuku	25	19.0	9.0	14.0	+1.2	28.5	21	4.0	10	145	14	+24	60	27	..
Enderby Is AWS	40	11.8	7.8	9.8	..	13.4	12	4.0	9	94	23	..	21	21	..
Campbell Island AWS	19	10.9	6.6	8.8	+0.0	14.6	12	1.1	8	142	24	+35	37	10	..
Late returns and corrections for November 2010															
Mamaku Radar Wxt AWS617	16.7	8.7	12.7	..	21.4	27	3.0	7	28	7	..	..	7	22	..
Lower Retaruke Cws	233	21.8	8.5	15.2	..	28.7	28	0.1	7	30	7	..	12	4	..
Dannevirke EWS	207	19.9	9.4	14.7	..	26.3	29	3.4	23	20	7	..	6	14	237
Flat Hills Wxt AWS	263	18.9	8.8	13.9	..	24.9	28	1.6	1	18	7	..	7	20	..
Mueller Hut EWS	1818	12.7	3.0	7.9	..	21.0	26	..	..	136	13	..	33	19	..
Roxburgh Wxt AWS	160	20.7	9.7	15.2	..	29.4	29	2.9	15	24	12	..	8	13	..
Balclutha, Finegand	6	19.2	8.9	14.1	+2.1	28.2	29	..	..	35	18	-15	8	19	137
Late returns and corrections for October 2010															
Kaitaia Observatory	85	18.1	9.6	13.9	..	21.4	26	6.8	8	28	10	-62	9	17	244

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		
Mamaku Radar Wxt AWS617		12.9	6.2	9.6	..	17.7	24	2.0	11	37	13	..	10	14	..
Lower Retaruke Cws	233	17.4	6.0	11.7	..	21.9	27	0.0	14	47	10	..	19	19	..
Dannevirke EWS	207	16.1	7.6	11.9	..	22.4	17	3.9	22	61	16	..	16	13	196
Roxburgh Wxt AWS	160	17.4	6.1	11.8	..	23.7	30	1.5	2	58	12	..	17	8	..
Late returns and corrections for September 2010															
Kaitaia Observatory	85	16.8	10.1	13.5	..	19.9	29	5.4	5	151	22	+18	24	11	152
Dannevirke EWS	207	15.1	8.1	11.6	..	21.0	30	1.3	2	234	25	..	34	18	129
Flat Hills Wxt AWS	263	13.9	7.4	10.7	..	19.0	30	2.7	1	294	23	..	46	18	..
Roxburgh Wxt AWS	160	13.5	4.9	9.2	..	20.7	28	-1.4	19	40	19	..	8	16	..
Late returns and corrections for August 2010															
Kaitaia Observatory	85	16.0	9.9	13.0	..	18.5	16	4.5	11	262	27	+108	35	3	131
Dannevirke EWS	207	13.5	6.5	10.0	..	18.1	28	-1.4	11	109	25	..	23	30	100
Flat Hills Wxt AWS	263	12.9	5.9	9.4	..	16.9	16	..	..	83	19	..	19	23	..
Roxburgh Wxt AWS	160	11.3	3.3	7.3	..	16.6	1	-2.2	21	28	12	..	11	13	..
Late returns and corrections for July 2010															
Kaitaia Observatory	85	15.5	7.7	11.6	..	16.8	31	2.1	15	122	18	-51	48	21	168
Flat Hills Wxt AWS	263	10.9	3.3	7.1	..	15.3	16	-2.0	14	54	9	..	29	22	..
Late returns and corrections for June 2010															
Flat Hills Wxt AWS	263	12.1	5.4	8.8	..	18.8	6	0.1	9	107	20	..	12	28	..
Mueller Hut EWS	1818	4.7	-4.7	0.0	..	..	..	..	..	139	17	..	54	18	..
Roxburgh Wxt AWS	160	7.7	1.7	4.7	..	16.1	19	-1.2	3	50	10	..	18	22	..
Late returns and corrections for January 2010															
Awatere Valley, Dashw	83	23.5	12.6	18.1	..	31.3	1	7.6	1	..	..	..	..	..	..

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.