

DECEMBER 2010

Summary of the records of Temperature, Rainfall and Sunshine December 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		
New Plymouth AWS	30	21.6	14.1	17.9	+1.9	24.6	18	6.9	10	181	15	+79	38	19	..
Mt Ruapehu, Chateau E	1097	17.0	7.5	12.3	+1.8	24.4	1	0.0	29	387	16	+143	64	19	..
Pahiatua EWS	110	21.5	13.1	17.3	..	27.2	21	3.0	9	71	16	..	13	19	..
Alfredton EWS	240	22.3	13.4	17.9	..	27.6	21	2.0	9	58	16	..	14	19	..
Masterton Aero AWS	138	24.0	12.2	18.1	..	29.8	18	6.0	10	36	12	..	12	28	..
Masterton, Te Ore Ore	110	22.3	7.1	14.7	..	28.2	27	0.7	10	27	9	..	10	16	..
Kopua	311	22.2	13.0	17.6	+2.3	29.1	27	7.2	..	45	10	-42	15	16	..
Takapau Plains AWS	330	21.6	11.8	16.7	..	28.1	27	4.7	10	64	11	..	19	16	..
Dannevirke EWS	207	22.7	13.6	18.2	..	29.9	4	7.9	9	54	9	..	19	18	180
Waione EWS	48	23.9	13.9	18.9	..	31.7	21	3.3	9	53	16	..	10	19	..
Cape Turnagain AWS	292	18.2	13.0	15.6	..	26.7	21	7.9	9	97	18	..	33	19	..
Akitio EWS	245	19.6	12.6	16.1	..	27.1	27	6.2	9	43	14	..	11	19	188
Castlepoint Station	9	21.6	14.4	18.0	..	29.0	27	7.6	10	36	10	-20	12	16	..
Castlepoint AWS	120	20.4	13.8	17.1	+0.5	27.2	27	8.0	9	35	11	..	11	16	..
Baring Head	79	19.3	13.6	16.5	..	23.2	18	9.0	29	62	13	..	24	27	..
Te Wharau, Brackenfie	292	21.7	10.9	16.3	..	28.8	12	5.4	10	34	11	..	8	16	..
Martinborough EWS	20	23.4	13.0	18.2	..	28.7	18	5.5	10	26	10	..	8	16	206
Ngawi AWS	6	22.4	15.0	18.7	..	27.6	18	10.4	9	29	9	..	12	16	..
Hicks Bay AWS	46	20.9	15.2	18.1	+1.0	24.1	31	9.7	5	121	12	..	52	19	..
Gisborne Aero	4	..	..	..	..	..	..	..	..	..	..	..	..	..	181
Gisborne AWS	5	23.8	14.0	18.9	+1.0	29.1	27	6.2	5	24	10	-40	10	14	..
Tolaga Bay Wxt AWS	12	21.5	14.0	17.8	..	29.2	22	8.3	5	16	12	..	6	20	..
Napier Aero AWS	3	23.0	14.6	18.8	+1.3	31.6	27	6.6	10	33	10	-25	10	16	..
Napier Nelson Pk	2	24.1	15.1	19.6	+1.4	31.2	27	8.6	10	38	9	-18	11	18	197
Hastings AWS	16	24.1	14.5	19.3	..	31.5	27	7.2	10	54	10	..	13	14	..
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
Wairoa, North Clyde E	15	23.8	13.9	18.9	+1.1	30.1	27	7.4	10	19	8	-85	10	14	..
Mahia Radar Wxt AWS	419	19.2	13.1	16.2	..	27.1	27	8.4	9	33	9	..	15	19	..
Mahia AWS	136	21.0	14.2	17.6	+0.8	30.0	22	9.1	10	15	9	..	5	14	..
Cape Kidnappers Wxt A	118	19.7	15.0	17.4	..	25.7	27	10.2	9	28	13	..	8	19	..
Paraparaumu Aero	5	21.2	13.8	17.5	+1.6	25.7	15	7.4	4	106	14	+21	23	16	202
Paraparaumu Aero AWS	5	20.8	13.9	17.4	+1.5	25.3	1	7.6	4	100	12	..	21	16	220
Ohakea AWS	50	22.6	14.1	18.4	..	27.6	21	9.0	9	..	..	..	..	..	..
Palmerston North AWS	39	22.8	13.6	18.2	+2.1	28.0	27	8.4	9	68	15	-17	21	19	..
Palmerston North EWS	21	22.3	13.9	18.1	..	27.3	21	9.0	9	67	14	..	16	17	151
Levin AWS	14	21.6	13.8	17.7	+1.7	26.2	18	4.9	9	92	16	..	20	16	..
Mana Island	2	21.0	14.8	17.9	+1.8	24.7	14	9.9	4	96	14	..	27	16	..
Mana Island AWS	100	18.1	13.7	15.9	..	21.8	15	9.3	9	87	12	..	26	16	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	189
Wellington, Kelburn A	125	19.6	13.5	16.6	..	23.7	4	8.6	29	125	15	..	40	27	..
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
Hawera AWS	98	20.3	12.9	16.6	..	23.9	13	7.5	4	86	15	..	27	19	..
Ohakune EWS	607	21.3	10.8	16.1	..	25.2	15	3.1	10	89	14	..	24	28	217
Waiouru	806	20.2	9.2	14.7	+2.3	25.0	27	1.6	25	58	13	-30	21	19	..
Waiouru AWS	820	20.0	9.3	14.7	..	24.6	15	2.8	26	56	12	-45	20	19	..
Taihape Rec	433	24.1	11.9	18.0	+2.9	27.6	15	7.0	9	59	..	-22	19	16	..
Flat Hills Wxt AWS	263	21.9	13.1	17.5	..	25.9	21	7.4	9	96	11	..	52	18	..
Wanganui, Spriggens Pa	15	23.3	14.7	19.0	+2.3	29.2	27	10.5	9	70	10	+0	21	16	..
Wanganui AWS	8	22.3	14.5	18.4	+1.9	28.6	27	9.2	9	61	11	..	17	16	..
Wanganui 2 AWS	18	23.4	14.3	18.9	..	28.9	27	9.6	9	..	..	..	..	..	..
Takaka, Kotinga 2	25	23.3	12.1	17.7	+2.1	29.0	11	7.8	25	500	14	+365	175	27	..
Takaka EWS	20	22.7	12.2	17.5	..	28.8	11	7.8	25	494	12	..	171	27	230
Farewell Spit AWS	3	21.1	14.5	17.8	+1.7	24.9	31	11.3	31	190	11	..	48	16	..
Westport Aero AWS	2	20.2	12.9	16.6	+1.7	23.6	16	8.9	10	242	17	+37	45	27	..
Arapito	18	20.8	12.7	16.8	+1.6	24.4	19	8.4	25	294	15	+73	63	16	166
Arapito EWS	18	20.2	11.9	16.1	..	23.9	19	7.7	25	280	17	..	65	16	..
Murchison EWS	185	24.3	11.0	17.7	..	30.7	15	5.1	10	213	20	+81	55	27	..
Lake Rotoiti EWS	634	21.2	9.3	15.3	..	27.4	4	3.6	10	241	17	..	46	27	..
Hokitika Aero	39	19.0	12.3	15.7	+1.4	22.1	12	7.5	23	418	17	+140	88	27	154
Hokitika AWS	38	19.1	12.2	15.7	+1.3	22.1	12	7.5	23	413	17	..	89	27	..

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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		
Reefton EWS	198	23.0	12.0	17.5	+2.3	28.8	15	7.9	12	243	15	+60	71	27	177
Greymouth Aero	4	19.6	13.1	16.4	+1.7	22.4	12	8.9	25	334	19	+93	88	27	158
Greymouth Aero EWS	5	18.3	12.3	15.3	..	22.3	12	8.1	23	335	20	..	87	27	202
Pigeon Creek Cws	105	20.3	12.0	16.2	..	25.6	15	6.5	10	677	21	..	186	27	..
Mt Philistine EWS	1655	12.1	6.0	9.1	..	17.3	15	0.9	25	1236	21	..	358	27	..
Mahanga EWS	1995	9.8	3.6	6.7	..	..	..	..	..	..	..	..	..	..	..
Okarito	2	19.0	12.2	15.6	..	21.5	18	7.6	29	561	19	+186	89	27	..
Franz Josef	155	..	9.9	..	..	..	..	..	..	1168	21	+601	240	27	..
Franz Josef EWS	80	18.6	11.1	14.9	..	23.4	16	6.3	29	817	20	..	184	27	107
Haast AWS	5	18.3	11.1	14.7	+1.4	21.7	16	4.1	8	503	22	..	104	27	..
Milford Sound	3	18.5	10.7	14.6	+1.2	22.5	8	6.5	29	918	20	+262	155	27	..
Milford Sound AWS	3	19.1	10.7	14.9	..	23.9	8	6.2	29	871	19	..	150	27	..
Secretary Island AWS	19	16.6	11.5	14.1	..	20.1	16	8.1	8	405	22	..	46	19	..
Puysegur Point AWS	44	15.7	11.3	13.5	+1.0	22.3	12	5.7	9	..	..	..	..	..	..
Motueka, Riwaka EWS	8	24.6	11.6	18.1	+1.9	29.5	22	7.4	5	242	11	+143	72	16	..
Pelorus Sd, Crail Bay	13	20.9	13.8	17.4	+1.1	24.0	18	9.4	29	403	16	+261	110	20	..
Nelson Aero	2	22.0	13.8	17.9	+1.7	25.6	21	9.1	29	193	13	+117	49	16	231
Appleby 2 EWS	18	22.2	11.8	17.0	..	26.0	11	5.6	5	180	10	..	53	18	245
Nelson AWS	4	22.5	13.8	18.2	+1.8	25.3	11	9.9	29	183	12	..	52	16	..
Blenheim Research EWS	4	23.0	13.3	18.2	+1.6	29.3	6	8.0	4	132	12	+81	36	27	225
Blenheim Aero AWS	35	23.5	12.5	18.0	+1.7	30.5	6	5.4	4	126	11	+70	38	27	..
Brothers Island AWS	68	18.4	14.2	16.3	..	23.6	24	10.3	9	78	13	..	24	16	..
Awatere Valley, Dashw	83	22.7	13.2	18.0	..	28.5	18	4.6	4	68	8	..	14	27	..
Grassmere Salt Works	2	22.9	15.3	19.1	+2.4	27.7	18	10.5	4	60	10	+18	14	16	..
Cape Campbell AWS	2	18.3	13.9	16.1	..	21.8	24	..	..	62	10	..	15	16	..
Boyle River Lodge	600	21.6	10.0	15.8	..	29.5	4	4.5	15	319	..	..	106	27	..
Hanmer Forest EWS	363	23.6	9.9	16.8	+2.4	29.8	18	2.7	10	55	13	-23	22	27	..
Kaikoura AWS	105	22.1	13.2	17.7	+2.4	31.2	21	8.7	9	17	8	-39	6	6	..
Arthurs Pass	738	17.9	9.0	13.5	+2.3	23.5	2	4.2	9	1005	16	+557	250	27	..
Arthurs Pass EWS	738	17.4	8.7	13.1	..	23.3	2	3.7	9	957	17	..	252	27	..
Culverden AWS	181	23.1	12.2	17.7	..	28.9	5	5.6	10	28	15	..	8	27	..
Waiiau School Cws	136	24.7	11.0	17.9	..	31.1	5	-4.5	10	31	12	..	8	28	..
Mt Potts EWS	2128	9.7	2.7	6.2	..	14.1	3	-2.7	25	294	15	..	97	27	..
Mt Cook EWS	765	20.4	8.4	14.4	+1.6	26.3	4	1.0	9	1122	18	+653	313	27	167
Mueller Hut EWS	1818	11.1	2.9	7.0	..	20.0	3	-3.1	25	1444	22	..	402	27	..
Craigieburn Forest	914	19.9	7.0	13.5	+1.5	25.3	4	1.7	29	278	19	+154	92	27	..
Snowdon EWS	560	20.4	9.9	15.2	..	24.6	4	3.6	29	131	15	..	50	27	..
Methven, Three Spring	305	20.5	10.7	15.6	..	28.3	18	4.2	29	100	16	..	33	27	..
Methven Cws	313	21.2	11.3	16.3	..	27.9	18	4.6	29	99	18	..	34	27	..
Winchmore EWS	160	22.6	12.1	17.4	+2.6	30.6	18	6.8	29	67	12	+7	22	28	..
Peel Forest	286	21.3	9.6	15.5	+1.6	29.7	18	2.4	29	123	17	+7	45	27	..
Ashburton Council	101	23.1	11.7	17.4	+1.7	32.5	18	5.0	23	60	13	+5	22	28	..
Ashburton Aero AWS	89	22.1	11.1	16.6	..	31.8	18	4.2	29	63	9	..	23	28	185
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 EWS	190	23.6	11.7	17.7	..	31.0	18	5.4	10	51	12	..	20	28	..
Christchurch Aero	37	23.5	12.2	17.9	+2.1	32.8	18	4.4	25	35	8	-12	13	28	204
Christchurch Gardens	7	23.0	12.8	17.9	+1.9	32.8	18	7.0	25	35	11	-14	14	28	..
Christchurch, Kyle St	6	23.7	13.7	18.7	..	34.2	18	8.1	25	37	11	..	15	28	..
Christchurch, New Bri	12	19.9	14.2	17.1	..	28.6	21	8.5	9	..	..	..	..	..	..
Lincoln, Broadfield E	18	22.1	12.3	17.2	+1.9	31.4	18	4.2	23	39	8	..	16	28	..
Sugar Loaf AWS	618	19.3	10.8	15.1	..	29.1	18	4.0	9	..	..	..	..	..	..
Lyttelton Harbour	5	22.0	14.4	18.2	..	30.5	18	8.9	9	30	9	..	11	28	..
Leeston, Harts Creek	12	21.7	11.9	16.8	..	31.6	18	4.6	25	70	13	..	14	20	..
Akaroa EWS	45	22.9	13.5	18.2	..	32.0	18	7.8	10	52	10	..	16	28	217
Le Bons Bay AWS	236	20.0	11.8	15.9	+2.2	29.1	18	6.6	8	36	11	..	8	17	..
Lake Tekapo, Air Safa	762	20.9	8.3	14.6	+1.2	27.2	4	-0.2	9	126	11	+78	68	27	..
Lake Tekapo EWS	762	21.1	8.7	14.9	..	26.9	4	0.7	9	119	11	..	60	27	224
Fairlie AWS	403	19.7	10.2	15.0	..	28.4	18	4.6	29	129	16	..	61	27	..
Pukaki Aerodrome AWS	473	23.5	8.8	16.2	..	29.2	4	-1.9	9	141	13	..	80	27	..
Hakataramea Valley Cw	355	21.9	9.8	15.9	..	29.4	18	0.4	8	11	15	..	2	21	..
Orari Estate	81	21.7	11.1	16.4	+1.6	30.1	13	4.6	9	61	12	-4	29	27	..
Orari Estate Cws	81	20.9	11.3	16.1	..	29.6	20	4.6	9	62	15	..	28	27	..

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Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Timaru Aero AWS	26	21.6	10.7	16.2	+1.9	32.6	21	5.0	10	49	12	+2	23	27	..
Timaru EWS	17	21.9	11.6	16.8	..	32.3	27	5.3	8	87	17	..	41	22	159
Waimate Cws	55	20.7	11.6	16.2	..	31.9	21	3.5	8	34	11	..	18	27	..
Oamaru Airport AWS	30	19.7	11.0	15.4	..	30.0	21	5.9	8	51	15	..	22	27	..
Albert Burn	1280	14.1	4.8	9.5	..	20.5	1	-1.7	8	478	19	..	95	21	..
Eglinton, Knobs Flat	365	19.2	8.3	13.8	..	27.1	3	0.2	9	327	17	..	75	27	..
Tara Hills AWS	488	22.7	9.2	16.0	+1.6	28.7	4	-2.3	9	141	15	+87	85	27	..
Wanaka Aero AWS	352	22.9	11.0	17.0	..	28.8	4	3.2	9	101	10	..	51	27	..
Naseby Forest 2	607	21.2	7.7	14.5	+1.9	27.6	..	-1.7	9	108	..	+32	51	27	..
Windsor EWS	81	20.8	10.4	15.6	..	29.0	18	2.2	8	79	15	..	34	27	..
Ranfurlly EWS	450	22.4	8.6	15.5	..	31.2	18	-2.2	9	89	11	..	46	27	..
Oamaru AWS	40	20.2	11.1	15.7	..	30.2	21	4.5	9	71	15	..	38	27	..
Rock And Pillar	270	20.9	9.1	15.0	..	28.8	20	-1.4	9	..	..	..	..	..	..
Palmerston	21	20.3	10.1	15.2	+1.5	30.4	21	0.9	9	97	17	+33	54	27	162
Middlemarch EWS	213	22.0	9.6	15.8	..	30.0	18	-2.1	9	97	14	..	38	27	167
Swampy Summit AWS	722	15.3	6.8	11.1	..	24.1	20	-1.1	9	..	..	..	..	..	..
Dunedin Aero AWS	1	20.9	9.7	15.3	+1.5	28.9	21	0.0	9	108	13	+34	52	27	..
Dunedin, Musselburgh	4	19.1	11.6	15.4	+1.5	30.7	21	4.4	9	120	11	+39	58	27	167
Murchison Mtns EWS	1140	12.5	5.0	8.8	..	20.2	3	-2.0	8	423	17	..	86	21	..
Takahe Valley Cws	895	14.9	5.9	10.4	..	20.7	16	-1.3	9	286	18	..	57	21	..
Manapouri, West Arm J	178	18.6	9.6	14.1	..	26.0	16	2.4	9	353	19	..	71	21	..
Manapouri Aero AWS	209	20.1	8.4	14.3	..	26.7	16	-2.1	9	101	16	..	25	20	..
Birchwood Wxt AWS	147	18.7	9.7	14.2	..	..	..	..	..	88	17	..	24	27	..
Queenstown	329	22.7	10.6	16.7	+1.6	28.7	4	3.5	9	153	13	+76	70	27	..
Queenstown Aero AWS	354	21.2	9.6	15.4	+1.3	27.2	4	-0.4	9	128	13	+66	63	27	..
Lumsden AWS	187	20.5	8.6	14.6	+1.3	26.5	20	-2.0	9	110	16	..	40	27	..
Cromwell EWS	213	24.8	11.6	18.2	..	31.2	4	3.9	9	74	8	..	41	27	275
Lauder EWS	375	22.7	9.9	16.3	..	28.9	4	-0.5	9	74	11	..	34	27	..
Ophir 2	305	22.8	8.2	15.5	..	28.5	18	-2.3	9	62	11	..	35	27	..
Alexandra	150	25.0	10.6	17.8	..	31.6	18	1.1	9	59	9	..	37	27	229
Clyde EWS	171	23.2	10.2	16.7	+1.1	28.7	18	1.1	9	70	12	..	42	27	..
Alexandra Cws	140	23.7	11.1	17.4	..	30.2	18	1.9	9	74	12	..	43	27	..
Roxburgh Wxt AWS	160	21.5	10.0	15.8	..	28.3	20	1.7	9	77	16	..	41	27	..
Ettrick No.2	91	22.6	9.1	15.9	+1.4	29.6	20	0.3	9	81	7	..	53	27	..
Waitutu Cws	30	18.8	9.4	14.1	..	26.0	12	0.8	9	172	20	..	52	27	..
Gore AWS	123	18.9	9.3	14.1	+0.9	26.0	21	0.3	9	97	15	+2	39	27	..
Invercargill Aero		18.6	9.8	14.2	+1.2	25.9	17	-0.8	9	87	14	-13	44	27	177
Invercargill Aero AWS	1	19.0	9.8	14.4	..	26.5	17	-0.4	9	85	16	..	44	27	..
Invercargill Aero 2 E		..	..	..	..	..	..	..	..	82	15	..	42	27	180
Tiwai Point EWS	5	18.1	11.4	14.8	+1.4	27.0	17	4.4	9	73	14	-16	37	27	..
Balclutha, Telford Ew	11	19.2	9.9	14.6	..	28.2	21	0.8	9	86	15	..	49	27	211
Nugget Point AWS	129	17.7	10.1	13.9	+1.2	26.9	21	5.4	8	95	17	..	48	27	..
South West Cape AWS	101	15.6	9.9	12.8	..	24.1	12	5.2	9	109	16	..	42	5	..
Solomon, Taro Is	3	31.4	24.3	27.9	..	..	..	..	..	..	..	..	..	..	..
Solomon, Munda	6	31.6	23.7	27.7	..	..	..	..	..	..	..	..	..	..	..
Solomon, Auki	11	..	23.7	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	31.8	23.7	27.8	..	..	..	..	..	343	17	..	87	17	..
Solomon, Henderson	9	31.3	22.8	27.1	..	..	..	..	..	..	..	..	..	..	..
Solomon, Santa Cruz	24	31.0	24.3	27.7	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Sola	13	..	23.7	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Pekoa	56	30.6	23.2	26.9	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Lamap	22	..	24.5	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	..	21.9	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	30.3	17.8	24.1	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Aneityum	6	29.7	22.3	26.0	..	..	..	..	..	..	..	..	..	..	..
New Cal, Koumac	18	..	22.4	..	..	..	..	..	..	..	..	..	..	..	..
New Cal, Oulop	7	30.7	..	..	..	32.5	17	..	..	..	..	..	..	..	..
New Cal, Ouanaham	29	29.4	22.8	26.1	..	30.8	29	17.3	12	..	..	..	..	..	..
New Cal, Poinoimie	13	28.6	..	..	..	30.8	30	..	..	..	..	..	..	..	..
New Cal, La Roche	42	28.7	22.9	25.8	..	30.3	28	16.9	1	149	20	..	42	16	..
New Cal, La Tontouta	14	33.6	21.9	27.8	..	..	..	17.5	5	..	..	..	..	..	..
New Cal, Nouma	72	31.2	23.7	27.5	..	35.7	27	19.6	4	29	5	..	15	8	..
New Cal, Moue	97	28.5	23.2	25.9	..	..	..	19.0	3	20	15	..	8	16	..

Summary of the records of Temperature, Rainfall and Sunshine December 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		
Kiribati,Tarawa	2	30.3	25.4	27.9	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nanumea Is	2	30.6	25.4	28.0	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	31.0	26.4	28.7	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	31.8	26.2	29.0	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	31.2	24.1	27.7	..	..	..	..	..	..	..	..	..	..
Fiji,Rotuma	26	30.6	24.4	27.5	..	..	..	22.5	26	..	..	..	..	..
Fiji,Nadi Aero	15	30.6	22.6	26.6	..	..	..	19.6	25	..	..	..	..	..
Fiji, Nadi EWS	15	30.5	22.5	26.5	..	32.8	29	20.4	25	349	24	..	75	18	
Fiji,Nausori Aero	6	29.5	22.5	26.0	..	31.6	31	21.0	2	..	..	..	..	..
Fiji, Vunisea	33	29.5	23.6	26.6	..	..	..	..	..	..	..	..	..	..
Wallis Island, Hihifo	27	30.6	24.3	27.5	..	31.7	11	21.9	23	..	..	..	..	..
Maopopo, Futuna Isla	36	30.3	24.6	27.5	..	32.8	2	22.7	28	314	26	..	50	30	
Samoa,Faleolo	4	30.5	22.9	26.7	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	30.1	22.7	26.4	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	..	25.0	..	..	..	..	..	..	..	..	..	..	..
Tonga, Queen Lavinia	60	..	23.6	..	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	28.5	23.2	25.9	..	..	..	20.8	5	..	..	..	..	..
Salote Pilolevu Airpo	2	28.9	24.2	26.6	..	..	..	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	29.2	22.8	26.0	..	30.7	12	..	..	..	..	..	..	..
Niue, Hanan Airport	59	29.0	23.7	26.4	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	28.9	23.4	26.2	..	..	..	..	..	..	..	..	..	..
Rarotonga EWS	4	28.8	23.6	26.2	..	34.2	9	19.2	16	237	21	..	65	20	
Vanuatu, Saratamata	18	30.9	23.5	27.2	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	30.0	23.0	26.5	..	32.0	13	21.2	17	..	..	..	..	..
Tahiti - Faa	1	31.2	24.3	27.8	..	32.2	9	22.7	30	76	14	..	22	29	
Tuamotu, Hao	3	29.2	25.0	27.1	..	30.3	3	23.2	7	..	..	..	..	..
Tuamotu, Hereheretue	3	29.6	25.3	27.5	..	..	..	..	..	..	..	..	..	..
Gambier, Rikitea	91	28.1	22.0	25.1	..	..	..	..	..	..	..	..	..	..
Tubuai	2	27.8	22.8	25.3	..	..	..	..	..	..	..	..	..	..
Rapa	1	25.1	21.4	23.3	..	..	..	16.7	2	..	..	..	..	..
Pitcairn Is	264	25.1	20.3	22.7	..	..	..	18.1	17	..	..	..	..	264
Pitcairn Island AWS	264	25.2	20.1	22.7	..	26.3	31	17.7	17	14	11	..	3	21	
Raoul Island AWS	49	24.1	18.7	21.4	..	27.1	30	15.0	8	91	8	..	52	1	
Enderby Is AWS	40	11.8	7.8	9.8	..	13.4	12	4.0	9	..	..	..	..	..
Campbell Island AWS	19	10.9	6.6	8.8	+0.0	14.6	12	1.1	8	..	..	..	..	..
Chatham Islands AWS	48	16.3	10.7	13.5	-0.1	20.0	31	3.1	9	38	14	-16	13	28	
Chatham Island EWS	14	17.7	11.0	14.4	..	24.7	22	3.5	9	34	12	..	19	28	
Georg Von Neumayer	40	-2.4	-8.3	-5.4	..	1.3	30	-17.9	1	..	..	..	..	..
Ant South Pole	2827	-25.4	-28.2	-26.8	..	-19.6	17	-37.0	3	..	..	..	..	..
Halley Bay	30	-2.2	-8.9	-5.6	..	2.6	13	-16.8	5	..	..	..	..	..
Gen Belgrano 2	32	1.3	-5.6	-2.2	..	5.6	24	-12.0	3	..	..	..	..	..
Base Jubany	4	2.4	-1.2	0.6	..	6.4	19	-4.8	8	..	..	..	..	..
Dinamet	10	1.1	-1.6	-0.3	..	..	..	..	..	..	..	..	..	..
V C Marambio	198	-1.1	-5.4	-3.3	..	..	..	..	..	..	..	..	..	..
Eduardo Frei	10	0.8	-2.2	-0.7	..	3.6	30	-19.9	30	..	..	..	..	..
Arturo Prat		1.7	-1.4	0.2	..	..	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	1.3	-2.4	-0.6	..	6.0	23	..	..	..	..	..	..	..
Palmer Station	8	4.1	-0.6	1.8	..	7.5	26	-3.0	9	..	..	..	..	..
Rothera Point	16	1.8	-1.4	0.2	..	5.6	27	-4.2	5	..	..	..	..	..
Argentine Is, Faraday	11	4.1	-1.9	1.1	..	33.7	3	-6.8	13	..	..	..	..	..
Gen San Martin	4	3.5	-1.2	1.2	..	6.8	23	-6.6	2	..	..	..	..	..
King Sejong	11	3.2	-1.1	1.1	..	..	..	..	..	..	..	..	..	..
Novolax Arevskaja	99	0.6	-3.6	-1.5	..	..	..	..	..	..	..	..	..	..
Mawson	16	1.5	-4.7	-1.6	..	6.3	18	-11.7	5	..	..	..	..	..
Davis	13	2.4	-3.4	-0.5	..	7.1	18	..	..	..	..	..	..	..
Progress	64	1.6	-3.0	-0.7	..	..	..	-14.6	1	..	..	..	..	..
Vostok	3420	-25.8	-37.0	-31.4	..	-13.2	19	-50.1	3	..	..	..	..	..
Casey	41	0.8	-4.4	-1.8	..	4.9	21	-11.7	3	..	..	..	..	..
Durmout Durville	43	1.2	-3.8	-1.3	..	..	..	..	..	..	..	..	..	..
Mcmurdo	24	0.9	-4.6	-1.9	..	7.5	10	-12.0	2	..	..	..	..	..
Ant Scott Base	16	-0.4	-7.3	-3.9	..	5.7	10	-14.5	1	..	..	..	..	..
Ant Arrival Heights E	185	-1.3	-6.7	-4.0	..	5.3	10	-14.6	1	..	..	..	..	..
Ant Scott Base EWS	16	-0.8	-7.3	-4.1	..	5.5	10	-14.5	1	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine December 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		
Darwin Airport	31	31.9	18.4	25.2	..	35.8	6	14.4	8	393	26	..	54	26	..
Hobart Airport	4	25.1	10.6	17.9	..	30.7	24	5.8	27	30	15	..	7	3	..
Late returns and corrections for November 2010															
Mamaku Radar Wxt AWS617	16.7	8.7	12.7	..	..	21.4	27	3.0	7	..	..	..	..	..	..
Opotiki	5	20.3	10.7	15.5	+0.2	26.3	14	4.4	27	42	12	-56	8	23	..
Mangere EWS	5	19.7	12.5	16.1	..	24.3	29	7.8	1	39	9	..	18	20	223
Martinborough EWS	20	21.7	8.5	15.1	..	30.7	29	2.1	23	31	6	..	15	5	250
Wairoa, North Clyde E	15	20.7	10.0	15.4	-0.4	28.6	20	4.8	10	28	8	-51	15	5	..
Flat Hills Wxt AWS	263	18.9	8.8	13.9	..	24.9	28	1.6	1	..	..	..	..	..	..
Blackball	35	21.0	7.8	14.4	..	27.0	..	..	..	74	..	..	..	..	..
Puysegur Point AWS	44	15.2	10.9	13.1	+1.9	19.8	13	7.4	6	..	..	..	..	..	..
Maud Island	15	18.7	11.2	15.0	..	22.5	17	5.4	..	40	..	..	21	20	..
Mueller Hut EWS	1818	12.7	3.0	7.9	..	21.0	26	..	..	..	..	..	..	..	..
Waipara West EWS	130	21.5	9.7	15.6	..	29.3	19	2.2	7	39	7	..	21	5	272
Darfield	195	21.5	8.7	15.1	+1.7	28.8	16	1.6	1	57	8	-2	35	5	..
Christchurch, Kyle St	6	20.9	10.7	15.8	..	29.7	16	2.2	7	58	5	..	34	5	..
Lake Tekapo EWS	762	21.6	6.5	14.1	..	27.5	13	0.1	6	14	7	..	5	5	228
Birchwood Wxt AWS	147	17.8	8.4	13.1	..	..	..	..	..	..	..	..	..	..	..
Cromwell EWS	213	24.0	9.0	16.5	..	32.3	28	2.6	7	14	5	..	8	20	242
Lauder EWS	375	22.0	7.9	15.0	..	29.3	28	0.0	22	21	8	..	10	19	..
Roxburgh Wxt AWS	160	20.7	9.7	15.2	..	29.4	29	2.9	15	..	..	..	..	..	..
Invercargill Aero 2 E	..	..	..	..	..	..	..	..	..	45	17	..	10	4	164
Ant Scott Base	16	-6.2	-14.6	-10.4	..	0.5	11	-22.3	2	..	..	..	..	..	..
Late returns and corrections for October 2010															
Mamaku Radar Wxt AWS617	12.9	6.2	9.6	..	..	17.7	24	2.0	11	..	..	..	..	..	..
Flat Hills Wxt AWS	263	15.1	7.3	11.2	..	19.7	17	3.1	23	54	12	..	14	10	..
Blackball	35	17.5	4.6	11.1	..	..	..	-1.2	12	209	8	..	50	8	..
Mueller Hut EWS	1818	9.5	-1.5	4.0	..	..	..	-9.9	11	165	15	..	76	16	..
Darfield	195	17.8	4.8	11.3	-0.4	23.6	16	0.6	12	44	7	-25	16	9	..
Birchwood Wxt AWS	147	15.0	4.8	9.9	..	..	..	..	..	..	..	..	..	..	..
Roxburgh Wxt AWS	160	17.4	6.1	11.8	..	23.7	30	1.5	2	..	..	..	..	..	..
Stewart Is	3	15.1	6.7	10.9	+1.3	20.0	14	..	..	124	..	-13	..	..	..
Balclutha, Finegand	6	16.9	5.5	11.2	+0.6	25.8	16	2.0	19	69	14	+1	16	8	237
Late returns and corrections for September 2010															
Mamaku Radar Wxt AWS617	10.6	5.7	8.2	..	..	..	..	..	..	..	..	..	..	..	..
Flat Hills Wxt AWS	263	13.9	7.4	10.7	..	19.0	30	2.7	1	..	..	..	..	..	..
Mueller Hut EWS	1818	0.9	-5.4	-2.3	..	..	..	..	..	289	17	..	114	5	..
Darfield	195	16.1	5.1	10.6	+1.1	..	..	-1.5	22	75	13	+15	22	12	..
Birchwood Wxt AWS	147	11.7	4.4	8.1	..	..	..	..	..	..	..	..	..	..	..
Roxburgh Wxt AWS	160	13.5	4.9	9.2	..	20.7	28	-1.4	19	..	..	..	..	..	..
Late returns and corrections for August 2010															
Flat Hills Wxt AWS	263	12.9	5.9	9.4	..	16.9	16	..	..	..	..	..	..	..	..
Mueller Hut EWS	1818	5.8	-3.3	1.3	..	..	..	..	..	146	18	..	49	13	..
Darfield	195	11.9	4.1	8.0	+0.8	17.4	13	-0.7	10	98	17	+13	28	8	..
Birchwood Wxt AWS	147	10.5	2.2	6.4	..	..	..	..	..	..	..	..	..	..	..
Roxburgh Wxt AWS	160	11.3	3.4	7.4	..	16.6	1	..	..	..	..	..	..	..	..
Late returns and corrections for July 2010															
Flat Hills Wxt AWS	263	10.9	3.3	7.1	..	15.3	16	-2.0	14	..	..	..	..	..	..
Mueller Hut EWS	1818	4.9	-4.3	0.3	..	..	..	..	..	23	8	..	9	22	..
Darfield	195	10.3	1.3	5.8	+0.0	14.7	4	-3.0	12	63	9	-13	20	22	..
Birchwood Wxt AWS	147	9.5	0.1	4.8	..	14.7	31	..	..	..	..	..	..	..	..
Roxburgh Wxt AWS	160	8.8	0.3	4.6	..	15.2	31	-3.2	11	8	7	..	4	26	..
Late returns and corrections for June 2010															
Flat Hills Wxt AWS	263	12.1	5.4	8.8	..	18.8	6	0.1	9	..	..	..	..	..	..
Mueller Hut EWS	1818	4.7	-4.7	0.0	..	..	..	..	..	..	..	..	..	..	..
Birchwood Wxt AWS	147	9.1	0.6	4.9	..	..	..	..	..	..	..	..	..	..	..
Roxburgh Wxt AWS	160	7.7	1.7	4.7	..	16.1	19	-1.2	3	..	..	..	..	..	..

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	mm	mm	mm	mm	Hrs			
Late returns and corrections for May 2010															
Flat Hills Wxt AWS	263	15.4	..	..	..	..	..	..	..	..	..	..	..	..

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.