



LAND & DEEDS OFFICE

17 SEP 1987

WELLINGTON

# SUPPLEMENT

TO THE

# NEW ZEALAND GAZETTE

OF

THURSDAY, 10 SEPTEMBER 1987

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WELLINGTON: MONDAY, 14 SEPTEMBER 1987

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# CLIMATOLOGICAL TABLE FOR JULY 1987









CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for July 1987—continued

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius								Rainfall in Millimetres					Bright Sun—shine Hrs
		Means of		Mean of A and B	Difference From Normal	Absolute Maximum and Minimum				Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall		
		A Max.	B Min.			Maximum	Date	Minimum	Date				Amount	Date	
		°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	mm	
Chatham I Kaiangaroa	41	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ant Scott Base	16	-21.1	-30.6	-25.9	+3.4	-11.3	23	-45.0	12	..	..	..	..	..	..
LATE RETURNS AND CORRECTIONS															
Marsden Power Stn 06/1987	3	16.2	8.2	12.2	-0.5	18.5	4	3.5	17	45	..	-148	17	25	..
Auckland Owairaka	41	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thames 2 06/1987	3	..	7.4	..	..	..	..	1.6	17	83	17	-52	26	25	..
Te Puke 06/1987	91	14.5	4.1	9.3	-0.5	17.0	3	-1.1	23	90	11	-89	34	27	101
Te Puke Edr 06/1987	91	14.3	4.0	9.2	..	17.3	3	-1.0	23	124	11	..	41	27	..
Murupara 03/1987	198	21.0	7.3	14.2	-2.4	24.6	13	-4.3	29	176	15	+79	48	21	..
Murupara 04/1987	198	..	..	..	..	..	..	..	..	98	..	-3	..	..	..
Murupara 05/1987	198	15.5	4.0	9.8	+0.2	18.2	10	-3.0	3	137	11	+17	44	20	..
Murupara 06/1987	198	12.8	1.6	7.2	-0.1	15.5	4	-4.5	17	58	12	-59	13	29	..
Waimihia Forest 03/1987	762	15.8	6.2	11.0	-2.0	19.8	3	-1.7	27	234	14	+121	77	21	..
Mangakahu Valley 06/1987	397	11.4	2.9	7.2	..	14.0	1	-4.2	22	112	14	..	19	3	..
New Plymouth 06/1987	55	14.1	6.7	10.4	+0.0	16.4	4	0.0	17	111	18	-65	23	24	..
Ruatoria 06/1987	61	15.4	4.0	9.7	-0.5	18.8	1	-0.6	23	117	12	-79	39	28	..
Ngamatea Nzfs 05/1987	885	11.2	0.6	5.9	..	16.5	9	-4.0	8	49	11	..	13	1	..
Ngamatea Nzfs 06/1987	885	7.6	-1.1	3.3	..	12.5	13	-8.2	23	68	19	..	15	29	..
Makaretu 01/1987	335	25.0	11.0	18.0	+1.1	29.4	28	1.5	1	35	16	-46	5	25	..
Makaretu 02/1987	335	22.7	9.2	16.0	-1.0	29.4	1	3.4	9	46	11	-28	18	15	..
Makaretu 03/1987	335	19.1	9.2	14.2	-1.1	24.4	31	1.9	28	247	23	+130	104	21	..
Ongaonga Thornton 06/1987	190	13.1	1.2	7.2	..	18.1	15	-4.5	23	69	7	..	42	28	..
Patea Hospital 06/1987	43	13.6	7.1	10.4	+0.3	17.0	14	1.0	22	89	13	-10	22	29	..
Pipiriki 2 06/1987	80	12.8	5.5	9.2	..	16.0	6	0.2	17	107	..	..	24	29	..
Ahu Ahu Valley 06/1987	85	13.0	4.6	8.8	..	16.2	4	-0.6	23	81	16	..	30	15	..
Taihape Kahui 06/1987	518	10.4	2.9	6.7	+0.1	14.3	11	-3.9	23	73	17	-14	27	29	..
Greymouth Aero 06/1987	4	12.1	5.8	9.0	+0.6	14.6	14	1.6	17	203	18	+16	71	13	44
Okarito 06/1987	10	..	..	..	..	..	..	..	..	230	18	..	84	14	..
Deep Cove 2 06/1987	3	10.1	4.5	7.3	..	14.0	14	0.6	23	465	..	..	134	12	..
Culverden Mwd 06/1987	174	11.4	0.6	6.0	..	17.0	4	-4.0	23	26	4	..	12	15	..
Timaru 2 06/1987	17	11.9	3.8	7.9	..	19.0	4	0.4	16	60	11	..	23	26	98
Kurou 06/1987	207	10.9	2.7	6.8	..	17.2	2	-4.0	23	43	13	..	13	24	..
Lake Hawea 04/1987	350	15.8	5.7	10.8	-0.4	19.5	7	1.0	4	24	10	-36	7	20	..
Lake Hawea 05/1987	350	13.0	4.7	8.9	+1.6	16.9	4	-0.9	4	55	14	-22	14	25	..
Lake Hawea 06/1987	350	8.3	1.6	5.0	+0.8	14.1	3	-1.8	16	85	13	+28	32	13	..
Ettrick No 2 06/1987	91	10.1	1.2	5.7	..	18.1	3	-5.5	22	65	13	..	12	12	..
Ant Scott Base 01/1987	16	1.4	-5.2	-1.9	+3.1	6.4	15	-11.0	5	..	..	..	..	..	..

The "normal" refers to the present site of the instruments. Standard period for normals is 1951-1980. No normals are available for stations with only short records.

\*Indicates that the sunshine recorder is not located at the station but is in the near vicinity.

A rainday is a day with rainfall equal to or greater than 0.1 mm.

Where the extremes of temperature and rainfall have occurred more than once during the month, the date of the first occurrence is given.

## THE WEATHER IN NEW ZEALAND IN JULY 1987

*General*—July was generally warmer, with well below average rainfall over much of New Zealand.

South-westerlies prevailed over the whole of the country, and were particularly frequent during the first ten days. Strong winds were more frequent than usual over the South Island.

Gale force south-westerlies affected coastal Southland and Otago on the 9th. A maximum gust of 63 knots was recorded at Dunedin Airport, and 90 knots at Taiaroa Head. In Dunedin some shop windows were shattered, and part of a house roof was torn away.

On the 14th easterly gales and heavy rain affected Auckland and the Coromandel Peninsula. A rainfall total of 122 mm was recorded at Coromandel in the 24 hours to 9 a.m. on the 15th. Some surface flooding occurred in Picton on the 24th when a total of 183 mm was recorded.

Mean sea level pressures ranged from 1 hPa above normal in Northland, to 4 hPa above normal in Southland.

*Rainfall*—The only areas where total rainfall for the month was near or above normal were Northland, Auckland, Gisborne, Hawkes Bay, the Kaikoura Coast, and in Southland. In many other regions rainfall was only about half normal. In places in eastern Bay of Plenty and Manawatu totals were only about 20 percent of normal. The 16 mm recorded at Ohakea was the lowest recorded there in July for over 40 years.

For the year to 31 July, only 60 percent of normal rainfall had been recorded at Whangarei Airport. This was the least recorded since records began in 1937. July was also the 10th consecutive drier than normal month at Whangarei.

*Temperatures*—Mean temperatures were about 0.5°C above normal over the North Island, and 1°C above normal in most places in the South Island.

Mean daily minimum temperatures were much higher than usual again at Invercargill Airport; being 2.4°C above and the highest for July since records began in 1948.

*Sunshine*—Above normal hours of bright sunshine were recorded in Bay of Plenty, Horowhenua, Wairarapa, Wellington, Otago, and Westland. It was a particularly sunny month in Wellington, Horowhenua and Wairarapa, where totals of 130 percent of normal were recorded. In Wellington this was the third sunniest July since records began in 1935.

Only 70 percent of normal sunshine was recorded at Invercargill Airport.

J. S. HICKMAN, Director.

THESE MAPS ARE MEAN SEA LEVEL ANALYSES  
FOR 0000 HOURS. THEY WERE PREPARED BY  
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