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CLIMATOLOGICAL TABLE
FOR SEPTEMBER 1987

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

Table with columns: Station, Height of Station Above M.S.L., Air Temperature in Degrees Celsius (Means of A and B, Difference From Normal, Absolute Maximum and Minimum), Rainfall in Millimetres (Total Fall, No. of Rain Days, Difference From Normal, Maximum Fall), and Bright Sunshine (Hrs). Rows list various NZ locations like Aviemore 2, Kurow, Knobs Flat, etc.

LATE RETURNS AND CORRECTIONS

Table with columns: Station, Height of Station Above M.S.L., Air Temperature in Degrees Celsius, Rainfall in Millimetres, and Bright Sunshine (Hrs). Rows list specific dates and locations like Galatea 07/1987, Minginui Forest 07/1987, etc.

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

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius								Rainfall in Millimetres				Bright Sunshine	
		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
Metres	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	Hrs				
Timaru 2 07/1987	17	10.5	2.0	6.3	..	19.3	9	-1.4	31	20	9	..	11	12	106
Timaru 2 08/1987	17	12.3	4.5	8.4	..	18.5	10	-0.5	8	22	12	..	5	27	116
Kurow 08/1987	207	13.2	3.3	8.3	..	17.9	17	-1.2	14	22	15	..	8	27	..
Tara Hills EDR 08/1987	488	12.0	0.3	6.2	..	16.0	17	-6.7	15	23	12	..	6	21	..
Clinton School 08/1987	120	11.3	3.3	7.3	..	14.6	17	-2.0	1	46	..	..	18	21	..
Tautuku 08/1987	40	12.2	3.6	7.9	+1.2	16.7	31	0.5	31	70	18	+5	15	11	..
Ci Raro Totokoitu 07/1987	9	23.0	16.8	19.9	-1.6	26.1	15	12.4	23	62	17	..	22	15	..
Raoul Is 07/1987	38	18.9	13.4	16.2	-0.1	21.3	1	10.5	8	109	24	-68	26	25	177
Raoul Is 08/1987	38	18.7	13.3	16.0	-0.3	20.3	7	10.9	12	105	17	-33	36	23	173
Chatham I Kaiangaroa 08/1987	41	11.6	7.2	9.4	..	14.0	2	3.5	12	32	20	..	7	22	..
Ant Scott Base 02/1987	16	-9.1	-15.4	-12.3	-1.6	-0.9	1	-26.4	25	..	..	..	..	..	..
Ant Scott Base 03/1987	16	-17.9	-27.3	-22.6	-2.2	-8.1	13	-39.0	25	..	..	..	..	..	..
Ant Scott Base 04/1987	16	-20.1	-30.4	-25.3	-1.2	-10.1	12	-41.2	20	..	..	..	..	..	..
Ant Scott Base 05/1987	16	-19.3	-30.7	-25.0	+2.2	-7.0	15	-50.2	5	..	..	..	..	..	..
Ant Scott Base 06/1987	16	-17.7	-28.4	-23.1	+3.2	-9.6	7	-38.9	18	..	..	..	..	..	..
Ant Scott Base 07/1987	16	-21.3	-30.9	-26.1	+3.2	-11.3	23	-45.0	12	..	..	..	..	..	..

The "normal" refers to the present site of the instruments. Standard period for normals is 1941-1970. 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 SEPTEMBER 1987

General—This September it was rather dry in many eastern regions. It was also warmer than normal in most places.

Strong winds were more frequent than usual, for the sixth consecutive month over the south of the South Island. They were also more frequent over the north of the North Island. South-westerlies predominated over the whole of New Zealand.

Mean sea level pressures were below normal over the whole of the country, especially in the far south, where they were 8 to 9 hPa below.

Rather cold conditions prevailed in Canterbury on the 7th when maximum temperatures in many places were about 7 degrees below normal, whereas extremely high temperatures, for September, were recorded in Canterbury during the afternoon of the 28th, in gusty north-westerly conditions. Record high temperatures for September were recorded at Orari Estate (26.8°C), Rangiora (26.4°C), Christchurch Airport (26.2°C), Temuka (25.6°C), and at Bromley (25.3°C). Records began at Christchurch Airport in 1953; the previous maximum recorded there for September was 24.8°C.

A small tornado affected the Awatapu—Riverside areas of Whakatane at approximately 4.30 p.m. on the 11th. It was reported to have had a path 4 km in length, and caused extensive damage to two houses and minor damage to eighteen others.

North-westerly winds up to gale force affected Wellington, the Kaikoura Coast, and Canterbury on the 30th. A car was blown off the road on the Rimutaka Hill (north of Wellington) in the high winds. A wind gust of 63 knots (117 kph) was recorded at Kaikoura.

Rainfall—Rainfall totals were as low as 30 percent of normal in Gisborne, Hawke's Bay, and along the east coast of the South Island from Cape Campbell to Christchurch. It was also drier than usual in Bay of Plenty, Wairarapa, Wellington, Horowhenua, and in South Canterbury, with rainfall between 40 and 70 percent of normal.

Only 27 mm (32 percent of normal) was recorded at Wellington Airport, making this the driest September there since records began in 1960.

In Auckland, Nelson, Southland and coastal Otago rainfall was 120 to 140 percent of normal, but in central Otago totals of up to 200 percent of normal were recorded.

Temperature—Mean daily temperatures ranged from 0.5 to 1°C above normal in most places, except for Fiordland where mean daily temperatures were 0.5°C below normal.

Sunshine—Only 75 to 80 percent of normal sunshine was recorded in Northland, Westland, and coastal Otago. It was sunnier than usual in Bay of Plenty, Taupo, and along the east coast of the North Island; especially in Gisborne, where hours of bright sunshine were 120 percent of normal.

J. S. HICKMAN, Director.

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