

## MONTHLY WEATHER REVIEW - ARMIDALE NSW JANUARY 2025

January 2025 was a very warm, cloudy, thundery and wet month.

The rainfall total of 147.0 millimetres was 46 mm higher than the average with the majority of the falls associated with thunderstorms. The highest daily fall was 31.2 mm on the 29th. A number of active low pressure troughs over northern New South Wales generated numerous thunderstorms including a severe storm with large hail on the 23rd - see below.

Temperatures were close to normal with maximums reaching 30.0C or higher on nine days. There was one notable temperature extreme on the 17th - see below.

It was a cloudy month with only seven sunny days, and winds were predominantly light to moderate westerlies.

### *Noteworthy events:*

**17th:** The maximum temperature of 16.5C was the lowest January maximum since 3rd January 2016 when it was 16.2C. The unusually chilly summer day was the result of cool south-easterly winds following a low pressure trough which moved through north-eastern New South Wales on the 16th.

**23rd:** A severe thunderstorm with large hail passed over Armidale from the south-west between 5.00 and 5.45pm. Large hailstones fell from 5.10 to 5.20pm. Most of the hailstones were around 30 mm diameter or less, but there were a number of hailstones measuring up to 40mm diameter or golf ball size. By the end of the storm 10 per cent to 90 per cent of the ground was covered by hail depending on location within the city. Many of the smaller hailstones were spherical or egg shaped, but the larger ones over 30mm in diameter were irregular shaped, often a jagged conglomeration of several hailstones fused together while forming in the storm cloud. Cars, roofs, skylights, outdoor furniture and gardens all suffered damage in varying degrees. After the storm cleared Armidale it continued in a north-north-easterly direction depositing hail on rural properties and also Black Mountain village, before dissipating east of Guyra. The severe storm was caused by a lingering intense low pressure trough over north-east New South Wales. Heavy rain accompanied the storm with the 19.4 mm of rain and melted hail recorded between 4.50 and 5.25pm.

### ***JANUARY 2025 STATISTICS*** (long term averages in brackets)

Rainfall: 147.0 mm (100.9 mm) Rain days: 16 (10)

Average maximum temp: 27.1 deg (26.7 deg)

Average minimum temp: 12.9 deg (12.9 deg)

Highest maximum temp: 33.4 deg on the 28th

Lowest maximum temp: 16.5 deg on the 17th

Highest minimum temp: 17.2 deg on the 29th

Lowest minimum temp: 5.8 deg on the 20th

Fine sunny days: 7 (14) Ideal weather days: 1 (1)

Days with thunderstorms: 8 (7)

Days with frosts: 0 (0) Days with fogs: 2 (1)

Wind direction at airport at 3pm & number of days: W: 7, SW: 6, SE: 6, E: 4, S: 3, N: 2, NE: 2, NW: 1

Average daily pan evaporation: 4.5 mm (5.2 mm)

### ***Thunderstorm Details:***

2nd: 11.50am-12.30pm - slight storm from south, 0.4 mm rain

10th: 11.45am-12.15pm - thunder heard from north, no rain; 4.15pm - thunder heard, no rain

11th: 1.50pm - slight storm

12th: 4.45-5.30pm - slight storm

15th: 5.50-7.30pm - intermittent thunder, no rain

9.30-10.30pm - heavy storm from west, 11.8 mm rain during and after storm

23rd: 5.40-6.30am approx. - moderate storm from west, 13.2 mm rain

4.15-5.00pm - thunder heard, no rain

5.00-5.45pm - severe storm from south-west, hail 5.10-5.20pm - hailstones up to 40 mm diameter

29th: 2.00-5.00pm - mod & slight from SW; 7.30-8.30pm - slight from SW, 31.2mm from these storms

30th: 6.50-10.30pm - slight & moderate storms from south-west, 16.6 mm rain