

Annual Weather Review

Armidale NSW - 2024

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2024 was a year with above average rainfall and well above average temperatures. Sunny weather prevailed on 124 days, and it rained on 124 days.

RAINFALL: The total for the year of 865.4 millimetres was 83 mm higher than the long term average (LTA). Rainfall was above average in six months with the other six months being close to or slightly below the average. The above average rain was partly the result of a higher than normal number of rain bearing low pressure troughs developing over New South Wales during the year drawing in moisture from tropical northern Australia. The wettest month was April with 116.2 mm, and the driest month was August with 36.4 mm. The highest daily fall was 56.2 mm on 19th February.

TEMPERATURES: Based on 134 years of temperature data, it was Armidale's warmest year on record with the mean temperature (average of all maximum and minimums) for the year exceeding the LTA by 2.07C. Based only on maximum temperatures it was the fifth warmest year on record, and based only on minimum temperatures it was the warmest year on record. Temperatures were above average in all months except July, the months with the greatest deviation above the LTA maximum were August and December, and the months with the greatest deviation above the LTA minimum were August and November. Temperatures reached 30.0C or higher on 29 days which was 12 days higher than the LTA. The highest maximum was 34.8C on 25th January, the coldest day was 7th July with a maximum of 6.2C, and the lowest overnight minimum was -5.5C on 24th July.

WINDS: Winds were light in February, March, April, May, June and November, and moderate in the remaining months. The year totalled 4 windy days* (annual average 14 days).

Wind direction at 3pm at Armidale airport: west: 119 days, east: 93 days, south-west: 49 days, north-west: 35 days, south-east: 22 days, south: 22 days, north-east: 14 days, north: 11 days.

EVAPORATION: Pan evaporation for the year totalled 1,095.6 mm, 92 mm lower than the LTA. Average daily evaporation for the year was 3.0 mm.

FROSTS: Because of the high number of cloudy nights during the year the frost season was unusually short with a total of 65 frosts which is 33 less than the LTA, and was the lowest over the 44 years of recordings at the current site. June was the frostiest month recording 19 frosts. There were 27 light frosts, 30 moderate frosts, and 8 severe frosts**. The first frost was on 18th May, ending a frost-free period of 213 days over the summer of 2023-24, and the last frost was on 24th September.

FOGS: There were fogs on 37 days which is six days more than the LTA. The foggiest month was May with fogs on 12 days. Fogs occurred in the early mornings on 36 days, and in the late evening on one day. There may have been additional early morning fogs which were not observed and recorded.

SNOW: There were no snowfalls in 2024. The annual average is 2.2 snow days. The last time it snowed in Armidale was on 22nd August 2020.

THUNDERSTORMS: Thunderstorm activity was close to normal with storms on 36 days, one day less than the LTA. Thunderstorm activity was highest in November with storms occurring on 10 days. There may have been additional days with thunder which were not recorded. There were no severe thunderstorms.

HAIL: Hail was observed on one day, 4th November when small hailstones less than 10 mm diameter fell during a thunderstorm. There may have been additional falls of small hail during thunderstorms on other dates which were not observed and recorded. The annual average is 3.3 hail days.

FLOODS: Minor flooding occurred in Dumaresq Creek on 29th January, 18th February & 17th September. Minor or flash flooding may also have occurred on other dates not noted here.

LTA - Long Term Average * Windy day - average wind speed higher than 20 kms per hour from 9am to 6pm at East Armidale site

** Intensity of frosts: light - minimum temp > 0.0C, moderate - min temp -3.9C to -0.1C, severe - min temp < -3.9C.

Weather Statistics 2024 - Armidale NSW

Data recorded at East Armidale, elevation 987 metres, Bureau of Meteorology station no 56037

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
RAINFALL mm	83.8	102.4	72.0	116.2	78.8	38.0	59.8	36.4	60.4	62.2	81.2	74.2	865.4
Long Term Average mm	101.0	88.1	67.0	44.4	42.2	54.4	47.4	47.6	50.3	68.1	82.4	89.3	782.4
RAIN DAYS	10	10	14	10	12	9	18	6	6	11	10	8	124
Long Term Average days	10	10	10	8	8	10	9	9	8	9	9	10	110
HIGHEST DAILY RAINFALL mm	40.0	56.2	37.2	36.4	29.0	18.6	17.8	11.8	37.8	13.6	20.4	22.4	56.2
Day	40	19	2	5	12	2	27	6	12	17	5	5	
AVERAGE DAILY MAX TEMP deg C	28.0	27.8	24.7	20.5	17.0	13.4	11.9	17.7	19.4	21.3	25.5	28.8	21.3
Long Term Average deg C	26.7	25.5	23.6	20.1	16.4	13.3	12.7	14.5	17.9	20.9	23.1	25.3	20.0
AVERAGE DAILY MIN TEMP deg C	15.5	15.1	11.8	7.7	4.9	1.0	1.9	4.0	2.9	6.6	11.8	12.9	8.0
Long Term Average deg C	12.9	12.6	10.5	6.5	2.9	0.8	-0.3	-0.1	2.6	5.7	8.9	11.2	6.2
AVERAGE GRASS MIN TEMP deg C	12.1	12.4	8.4	4.4	1.8	-2.2	-1.0	0.7	-0.5	3.6	8.5	9.4	4.8
Long Term Average deg C	9.8	9.6	7.5	2.9	-1.7	-2.9	-4.2	-4.3	-1.5	2.0	5.6	8.0	2.6
HIGHEST MAXIMUM TEMP deg C	34.8	32.7	32.6	25.0	20.8	17.6	17.0	24.3	25.3	25.5	32.6	31.8	34.8
Day	25	2	1	1	15	29	24	30	1	23,24	7	27	
LOWEST MAXIMUM TEMP deg C	22.1	20.1	16.5	15.3	14.2	8.5	6.2	12.5	11.6	14.5	17.6	23.4	6.2
Day	16	7	21	4	19	15	17	12	27	9	19	19	
HIGHEST MINIMUM TEMP deg C	20.0	18.5	16.3	13.7	10.0	12.3	8.1	16.4	11.7	14.6	17.7	19.8	20.0
Day	27	3	1	4	10	1	9	31	30	19	18	8	
LOWEST MINIMUM TEMP deg C	10.5	11.4	5.7	2.5	-2.4	-4.4	-5.5	-4.0	-3.5	1.5	5.5	3.0	-5.5
Day	8	13	12	12	20	28	24	4	4	22	9	24	
LOWEST GRASS MIN TEMP deg C	5.2	7.1	0.6	-0.6	-5.5	-7.5	-8.4	-6.5	-6.4	-1.1	2.7	-1.2	-8.4
Day	7	13	12	12	20	13	24	4	4	7	23	24	
FROSTS	0	0	0	0	7	19	9	14	16	0	0	0	65
Long Term Average days	0	0	1	0	14	16	20	20	15	6	1	0	98
FOGS days	2	1	7	0	12	4	0	5	1	3	1	1	37
Long Term Average days	1	1	3	4	5	4	3	2	2	2	1	1	31
THUNDERSTORMS days	4	6	4	4	1	1	0	0	0	4	7	5	36
Long Term Average days	7	5	3	1	1	0	0	1	2	4	6	8	37
EVAPORATION (Class A Pan) mm	140.0	112.8	106.2	69.0	42.0	32.4	37.4	63.6	92.0	112.4	121.8	166.0	1095.6
Long Term Average mm	160.7	125.9	112.6	75.6	50.6	36.5	42.0	65.8	95.3	126.4	137.3	159.0	1187.7
AVGE. DAILY EVAPORATION mm	4.5	3.9	3.4	2.3	1.4	1.1	1.2	2.1	3.1	3.6	4.1	5.4	3.0
AVERAGE DAILY WIND RUN km	128.2	----	70.9	----	----	----	----	----	----	----	----	----	----
Long Term Average km	146.5	142.2	135.6	120.6	120.3	142.1	150.3	160.2	165.5	154.2	151.6	149.5	144.9
PREVAILING 3PM WIND DIRECTION	E	E	E	W	E	W	W	W	W	W	W	W	-
FINE SUNNY DAYS ^	9	6	9	6	11	9	10	10	20	13	6	15	124
Long Term Average days	15	12	15	15	15	13	15	18	19	17	13	15	181
MAXIMUM TEMP > 29.9 deg. days	8	7	1	0	0	0	0	0	0	0	3	10	29
MAXIMUM TEMP < 10.0 deg. days	0	0	0	0	0	4	8	0	0	0	0	0	12
MINIMUM TEMP < 5.0 deg. days	0	0	0	5	16	25	22	17	18	10	0	1	114

^ Fine Sunny Day - a dry sunny day generally free from excessive cloud

Compiled by Peter Burr, Jan 2025