

Annual Weather Review

Armidale NSW - 2022

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2022 was an unusually cool and cloudy year with well above average rainfall. There were only 108 sunny days which is 75 days less than the long term average (LTA) and was Armidale's cloudiest year since the mid 1980s.

RAINFALL: Events in both the Indian and Pacific Oceans resulted in above average rainfall in eight months of year, finally easing in November and December as the Indian Ocean Dipole returned to a neutral phase. The total for the year of 962.2 millimetres was 180 mm higher, or 23 per cent higher, than the LTA, with March being the wettest month recording 159.0 mm, and June was the driest with 10.2 mm. The highest daily fall was 40.6 mm on 2nd January. It was the third consecutive year with well above average rainfall (2020: 973 mm, 2021: 992 mm).

TEMPERATURES: Day temperatures overall were much cooler than normal while overnight minimums were a little higher than normal. Based on maximum temperatures it was the coolest year since 1992. The months with the greatest deviations below the LTA maximum were February, March, October, November and December, while months with the greatest deviation below the LTA minimum were November and December. Temperatures reached 30.0C on just one day which was 16 days less than the LTA. The highest maximum was 30.3C on 17th January, the coldest day was 10th June with a maximum of 7.5C, and the coldest overnight minimum was -6.1C on 10th, 16th and 30th July.

WINDS: Winds were light in January, February, March and April, and moderate in the remaining months. The year totalled 11 windy days* (annual average 15 days).
Wind direction at 3pm at Armidale airport: west: 100 days, east: 92 days, south-east: 47 days, south-west: 39 days, north-west: 33 days, south: 23 days, north-east: 20 days, north: 11 days.

EVAPORATION: As a result of the high number of cloudy days the total pan evaporation for the year was much lower than normal totalling 959.8 mm, 233 mm less than the LTA. Average daily evaporation for the year was 2.6 mm.

FROSTS: Because of the high number of cloudy nights the total number of frosts for the year was only 66 which is 32 less than the LTA, and was the lowest on record at the present weather station site (42 years of records). The previous lowest was 68 frosts in 1981.

June was the frostiest month recording 20 frosts. There were 22 light frosts, 32 moderate frosts, and 12 severe frosts**. The first frost was on 21st April, ending a frost-free period of 176 days over the summer of 2021-22, and the last frost was unusually late in the year on 20th December.

FOGS: There were fogs on 19 days which is 12 less than the LTA. The foggiest month was May with fogs on four days. Fogs all occurred in the mornings. There may have been additional early morning fogs which were not observed.

SNOW: There were no snowfalls apart from a few flakes on 23rd August. The annual average is 2.2 snow days.

THUNDERSTORMS: Thunderstorm activity was much lower than normal with storms on 23 days of the year, 14 less than the LTA. Thunderstorm activity was highest in January with storms occurring on six days. There were no severe thunderstorms.

HAIL: Hail was observed on one day, 17th October when small to medium hailstones up to 15 mm diameter fell during a thunderstorm whitening the ground. There may have been additional falls of small hail during thunderstorms on other dates which were not recorded. The annual average is 3.3 hail days.

FLOODS: Flooding occurred in Dumaresq Creek on 19 days - 7, 8, 28, 29, 30 March; 6 July; 5, 6 August; 3, 4, 16, 22, 23, 24 September; 9, 21, 22, 23 October; 1 November.

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

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

Weather Statistics 2022 - 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	103.0	106.8	159.0	30.6	66.4	10.2	72.6	62.4	113.8	148.0	59.4	30.0	962.2
Long Term Average mm	101.2	88.1	65.8	44.6	42.3	54.9	47.5	47.8	50.2	67.7	82.5	89.4	781.9
RAIN DAYS	14	13	18	15	15	3	12	11	14	18	9	6	148
Long Term Average days	10	10	10	8	8	10	9	9	8	9	9	10	110
HIGHEST DAILY RAINFALL mm	40.6	20.2	32.8	7.8	21.6	8.4	35.0	27.8	38.4	30.4	39.2	18.8	40.6
Day	2	3	7	4	13	4	6	5	22	18	1	13	
AVERAGE DAILY MAX TEMP deg C	25.6	22.9	22.0	20.3	16.6	12.7	12.5	14.5	16.6	19.0	20.9	23.3	18.9
Long Term Average deg C	26.7	25.5	23.6	20.2	16.4	13.2	12.7	14.4	17.9	20.9	23.2	25.3	20.0
AVERAGE DAILY MIN TEMP deg C	14.1	11.9	12.0	8.3	6.0	-0.8	1.1	1.8	4.6	7.9	6.3	7.7	6.7
Long Term Average deg C	12.8	12.6	10.4	6.5	2.9	0.9	-0.3	-0.2	2.5	5.7	9.0	11.3	6.2
AVERAGE GRASS MIN TEMP deg C	11.9	9.4	10.0	5.7	3.4	-3.6	-1.7	-1.5	1.6	4.9	2.9	3.0	3.8
Long Term Average deg C	9.7	9.7	7.4	2.8	-1.8	-2.8	-4.2	-4.4	-1.5	2.0	5.7	8.2	2.6
HIGHEST MAXIMUM TEMP deg C	30.3	29.2	27.5	24.3	23.2	16.5	16.6	19.9	21.6	25.5	27.4	28.5	30.3
Day	17	1	23	5	15	25	26	4	27	27	27	29	
LOWEST MAXIMUM TEMP deg C	19.3	17.5	15.7	16.0	10.1	7.5	8.7	10.5	9.4	14.1	12.4	14.8	7.5
Day	20	3	29	25	31	10	13	24	3	5	2	1	
HIGHEST MINIMUM TEMP deg C	17.5	19.7	16.1	13.1	14.1	6.0	9.4	11.1	10.6	13.6	16.0	15.6	19.7
Day	19	2	9	7	16	4	7	5	22	21	14	24	
LOWEST MINIMUM TEMP deg C	9.0	5.8	3.5	1.0	-0.8	-5.6	-6.1	-3.7	-1.6	0.5	-0.6	0.4	-6.1
Day	23	8	21	21	18	26	16,30	9	20	15	17	15	
LOWEST GRASS MIN TEMP deg C	5.5	2.9	1.6	-1.1	-3.8	-7.4	-8.8	-6.6	-3.4	-2.5	-2.9	-5.4	-8.8
Day	23	8	21	21	18	26	30	22	20	15	17	15	
FROSTS	0	0	0	1	6	20	15	15	3	2	2	2	66
Long Term Average days	0	0	1	5	14	16	20	20	15	6	1	0	98
FOGS days	1	1	1	3	4	0	3	3	0	1	1	1	19
Long Term Average days	1	1	3	4	5	4	3	2	2	2	1	1	31
THUNDERSTORMS days	6	2	5	2	0	0	1	1	0	3	1	2	23
Long Term Average days	7	5	3	1	1	1	0	1	2	4	6	8	37
EVAPORATION (Class A Pan) mm	128.8	97.0	78.0	61.0	38.6	37.0	33.0	51.8	71.8	79.4	136.6	146.8	959.8
Long Term Average mm	161.7	126.5	113.3	76.2	50.8	36.3	42.3	66.0	95.7	126.9	137.9	159.0	1192.5
AVGE. DAILY EVAPORATION mm	4.2	3.5	2.5	2.0	1.2	1.2	1.1	1.7	2.4	2.6	4.6	4.7	2.6
AVERAGE DAILY WIND RUN km	118.9	120.2	92.5	89.1	127.6	155.1	138.2	143.3	144.5	112.0	182.3	141.8	130.5
Long Term Average km	147.7	143.4	137.1	121.2	120.6	141.5	151.7	162.0	167.7	155.7	151.8	150.4	145.9
PREVAILING 3PM WIND DIRECTION	E	E	E	E	E	W	SW	W	WNW	W	W	W	-
FINE SUNNY DAYS ^	4	4	5	9	8	16	10	10	7	6	12	17	108
Long Term Average days	15	12	15	15	15	13	15	18	19	17	13	15	183
MAXIMUM TEMP > 29.9 deg. days	1	0	0	0	0	0	0	0	0	0	0	0	1
MAXIMUM TEMP < 10.0 deg. days	0	0	0	0	0	5	1	0	1	0	0	0	7
MINIMUM TEMP < 5.0 deg. days	0	0	1	3	14	29	24	24	16	6	12	9	138

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