



Australian Government
Bureau of Meteorology

Monthly Weather Review Australia September 2021



The *Monthly Weather Review - Australia* is produced by the Bureau of Meteorology to provide a concise but informative overview of the temperatures, rainfall and significant weather events in Australia for the month.

To keep the *Monthly Weather Review* as timely as possible, much of the information is based on electronic reports. Although every effort is made to ensure the accuracy of these reports, the results can be considered only preliminary until complete quality control procedures have been carried out. Any major discrepancies will be noted in later issues.

We are keen to ensure that the *Monthly Weather Review* is appropriate to its readers' needs. If you have any comments or suggestions, please contact us:

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Units of measurement

Except where noted, **temperature** is given in degrees Celsius (°C), **rainfall** in millimetres (mm), and **wind speed** in kilometres per hour (km/h).

Observation times and periods

Each station in Australia makes its main observation for the day at 9 am local time. At this time, the precipitation over the past 24 hours is determined, and maximum and minimum thermometers are also read and reset. In this publication, the following conventions are used for assigning dates to the observations made:

Maximum temperatures are for the 24 hours *from* 9 am on the date mentioned. They normally occur in the afternoon of that day.

Minimum temperatures are for the 24 hours *to* 9 am on the date mentioned. They normally occur in the early morning of that day.

Mean temperatures are the average of the daily maximum and daily minimum temperatures.

Daily rainfall is for the 24 hours *to* 9 am on the date mentioned. This means a significant fraction of the rain may have occurred on the previous calendar day.

Monthly rainfall is for the period from 9 am on the last day of the previous month to 9 am on the last day of this month.

Maximum daily wind gusts are in the 24 hours from midnight to midnight.

Climatological values

The climatological averages shown in the text and tables are generally long-term means based on observations from the years 1961–1990. They are not shown for sites with less than 25 years of record in that time, as they cannot then be calculated reliably. Climatological extremes are generally taken from all available years of record; the number of years can vary markedly from site to site.

Records

The tables of records are not exhaustive, as they only show sites with at least 30 years of record. This may exclude locations where a new site has been established; this means even some major cities and towns may not be listed.

Maps

The temperature and rainfall maps are intended to give an overview of the country. There could be discrepancies between the values shown on these maps and those at individual locations, as a result of the way the maps are generated. A wide range of maps of rainfall, temperature and other variables, covering the whole country and smaller regions can be found at www.bom.gov.au/climate/maps.

Accessing data

Tables of daily values for selected sites are included toward the back of the *Monthly Weather Review*. Data from many more sites and for other times are available from www.bom.gov.au/climate/data/.

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Publishing Unit, Bureau of Meteorology, GPO Box 1289, Melbourne VIC 3001

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Cover photograph

Snow falling on the Stevenson screen (which houses the thermometers) at Lake St Clair.

Photograph by Maren Goerne (Visitor Reception Officer, Lake St Clair National Park), 9 am on 16 August 2010. Used with permission.

Overview

- Mean maximum temperatures for September were warmer than average for much of Victoria, coastal and western parts of New South Wales and coastal Western Australia, southern South Australia, western and southern Queensland, and parts of northern Australia.
- Mean minimum temperatures for September were warmer than average for most of Queensland and the Northern Territory, the Pilbara coast in Western Australia, southern and eastern Victoria across to south-eastern New South Wales; cooler than average for parts of inland New South Wales and the south of Western Australia.
- September rainfall was below average for much of the southern half of Western Australia away from the south-west, much of South Australia, south-west Victoria, north-east Tasmania, and the south-east of Queensland.
- September rainfall was above average in a broad band in east Australia from south-west Queensland, through inland and south-east New South Wales to eastern Victoria. The central Northern Territory and northern Queensland saw unseasonal above average September rainfall.
- For Australia as a whole, rainfall was 14% below average.
- Severe thunderstorms affected southern Queensland and New South Wales on the 29th and 30th, including a confirmed tornado at Clear Creek in New South Wales on 30 September.

Areal averages in September 2021

	Rainfall anomaly	Mean maximum temperature anomaly	Mean minimum temperature anomaly	Mean temperature anomaly
Australia	-14%	+1.31 °C	+0.70 °C	+1.01 °C
Western Australia	-48%	+1.17 °C	0.00 °C	+0.58 °C
Northern Territory	+3%	+1.24 °C	+1.25 °C	+1.25 °C
South Australia	-66%	+1.80 °C	+0.33 °C	+1.06 °C
Queensland	-4%	+1.27 °C	+1.65 °C	+1.46 °C
New South Wales	+20%	+1.42 °C	+0.45 °C	+0.93 °C
Victoria	+11%	+1.30 °C	+0.60 °C	+0.95 °C
Tasmania	-3%	+0.18 °C	+0.13 °C	+0.16 °C

Extremes in September 2021

	Hottest day	Coldest night	Wettest day	Warmest overall	Coolest overall	Wettest overall	Strongest wind gust
Australia	41.5 °C at Yampi Sound (Defence) (WA) on the 21st	-9.3 °C at Thredbo AWS (NSW) on the 26th	570.0 mm at Bellenden Ker Top Stn (Qld) on the 3rd	30.2 °C at Jabiru Airport (NT)	0.7 °C at Thredbo AWS (NSW)	744.6 mm at Bellenden Ker Top Stn (Qld)	172 km/h at kunanyi (Mount Wellington Pinnacle) (Tas.) on the 23rd
Western Australia	41.5 °C at Yampi Sound (Defence) on the 21st	-4.1 °C at Eyre on the 5th	57.8 mm at Hopetoun on the 14th	29.7 °C at Wyndham Aero	11.5 °C at Newdegate Research Station	136.8 mm at Mount William	98 km/h at Cape Leeuwin on the 1st
Northern Territory	41.3 °C at Victoria River Downs on the 30th	2.8 °C at Alice Springs Airport on the 6th and 23rd	42.2 mm at Dum In Mirrie Airstrip on the 4th	30.2 °C at Jabiru Airport	19.4 °C at Alice Springs Airport	47.6 mm at Dum In Mirrie Airstrip	74 km/h at Cape Wessel on the 8th and Walungurru Airport on the 21st
South Australia	37.4 °C at Nullarbor on the 16th	-2.9 °C at Wudinna Aero on the 13th	82.2 mm at Crafers West on the 30th	19.4 °C at Oodnadatta Airport	10.3 °C at Mount Lofty	135.6 mm at Crafers West	100 km/h at Cape Willoughby on the 20th
Queensland	39.9 °C at Bedourie on the 28th	-2.2 °C at Applethorpe on the 7th	570.0 mm at Bellenden Ker Top Stn on the 3rd	28.4 °C at Coconut Island and Kowanyama Airport	12.2 °C at Applethorpe	744.6 mm at Bellenden Ker Top Stn	89 km/h at Bougainville Reef on the 8th
New South Wales	33.8 °C at Menindee Post Office and Pooncarie Mail Agency, both on the 2nd	-9.3 °C at Thredbo AWS on the 26th	72.6 mm at Rowena Post Office on the 30th	18.6 °C at Evans Head RAAF Bombing Range AWS	0.7 °C at Thredbo AWS	282.6 mm at Thredbo Village	128 km/h at Thredbo AWS on the 17th
Victoria	33.0 °C at Mildura Airport on the 2nd	-7.7 °C at Mount Hotham on the 26th	123.2 mm at Lorne (Mount Cowley) on the 30th	15.0 °C at Mildura Airport	1.2 °C at Mount Hotham	268.6 mm at Mount Baw Baw	141 km/h at Wilsons Promontory Lighthouse on the 18th
Tasmania	27.5 °C at Swansea (Francis Street) on the 2nd	-6.3 °C at kunanyi (Mount Wellington Pinnacle) on the 25th and Liawenee on the 26th	59.1 mm at Woodlea Nursery on the 20th	12.1 °C at Bicheno (Council Depot) and Friendly Beaches	1.6 °C at kunanyi (Mount Wellington Pinnacle)	386.6 mm at Strathgordon (Gordon Power Station)	172 km/h at kunanyi (Mount Wellington Pinnacle) on the 23rd

In this table *Hottest day* is the highest daily maximum temperature, *Coldest night* is the lowest daily minimum temperature, *Wettest day* is the highest daily rainfall total, *Warmest overall* is the highest mean monthly temperature, *Coolest overall* is the lowest mean monthly temperature and *Wettest overall* is the highest total monthly precipitation.

Significant weather

New South Wales

A cold outbreak brought snow levels down to 900 m in New South Wales on the 12th.

Large hail observed near Griffith during the afternoon and evening of the 28th. On the 29th, giant hail of 5-7 cm in diameter was reported 40 km north of Bourke, with large hail also reported at Cunnamulla and Eulo in southern inland Queensland.

Severe thunderstorms hit parts of New South Wales, with damaging winds, heavy rain, and hail on the 30th.

A tornado was reported around 2 pm on 30 September in the Clear Creek area, north north-east of Bathurst, in the Central West District in New South Wales. There were reports of damage to houses, power lines and trees, with indications that this occurred along a 25 to 30 kilometre line. There were additional media reports of non-live threatening injuries to three people (facial injuries, back and neck injuries, and an arm injury). This was part of a larger weather system that brought severe thunderstorms to numerous parts of Queensland, New South Wales, Victoria and the ACT.

Queensland

Thick fog blanketed parts of south-east and central Queensland on the first morning of September, including around Brisbane and the Sunshine Coast.

Severe thunderstorms brought giant hail to parts of southern and south-east Queensland on the 30th, with 6 cm hail reported in western Darling Downs.

Tasmania

Damaging south-westerly winds were experienced across Tasmania for several days from the 7th, as cold fronts crossed the state.

A cold outbreak for south-east Australia brought snow levels down to 800 m in Tasmania on the 12th.

Strong and gusty west to north-westerly winds were experienced across Tasmania on the 23rd. On the 24th, snow settled to low levels in parts of Tasmania overnight, mostly in western and southern areas, and over the Central Plateau, including down to around 100 m elevation in the Hobart area.

Victoria

Cold fronts that crossed Victoria between the 17th and 20th generated strong and gusty winds and were followed by polar air in their wake; snow fell to low levels with reports of snow in the Macedon and Yarra Ranges and at Mount Baw Baw, and snow flurries were reported around Ballarat and in the Dandenong Ranges.

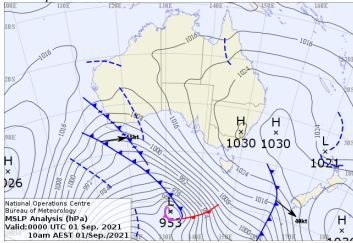
Small hail (pea-sized) in several Melbourne suburbs as a cold front with strong winds and rain crossed the city on the 20th.

Western Australia

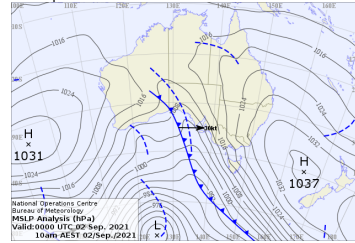
A thin layer of snow settled on Bluff Knoll on the 1st. Strong and gusty winds ripped the roof off a home in the suburb of Mount Pleasant around 9 pm during a storm that drenched Perth overnight of the 15th.

Synoptic analyses and summary

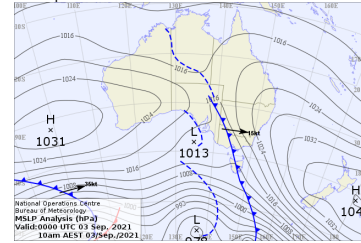
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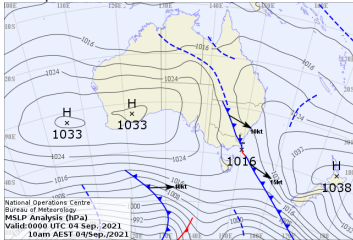
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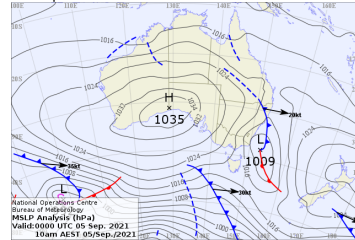
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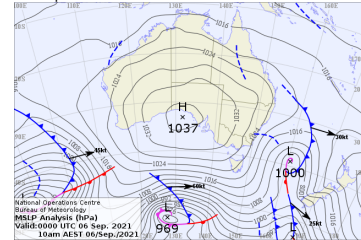
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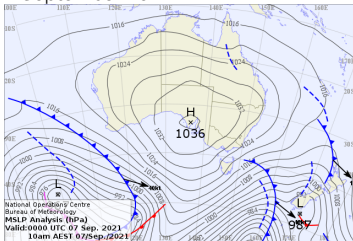
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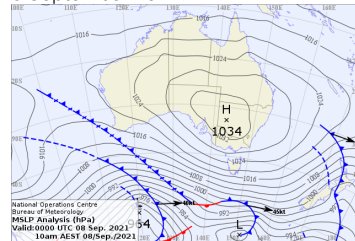
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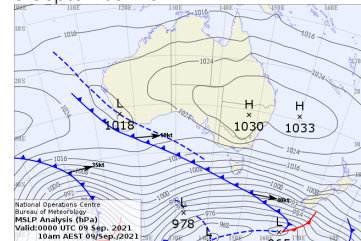
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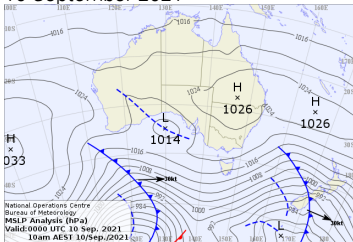
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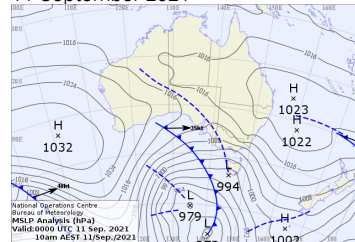
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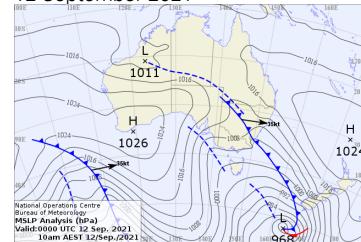
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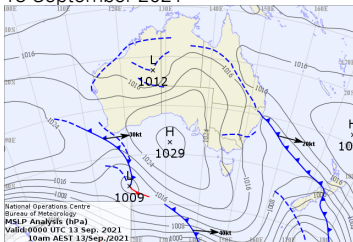
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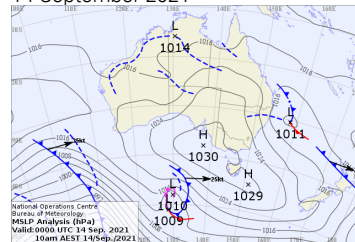
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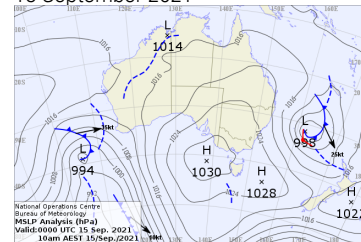
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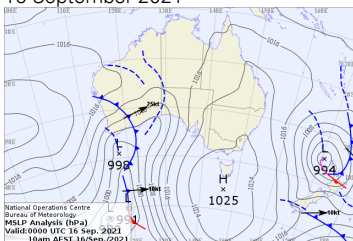
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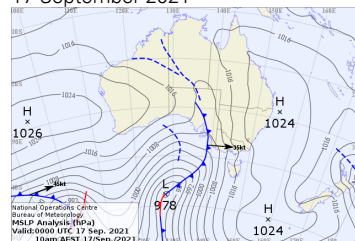
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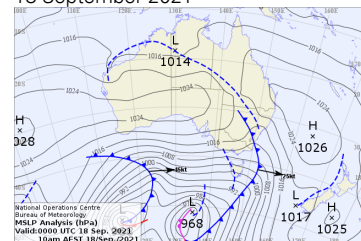
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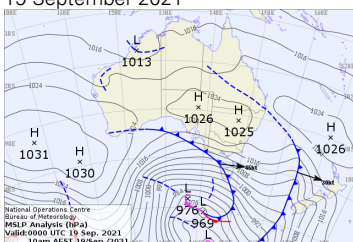
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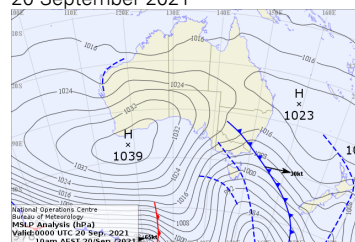
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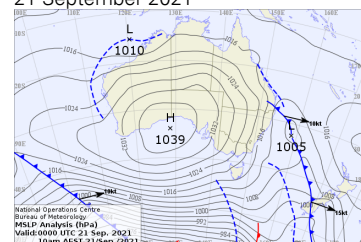
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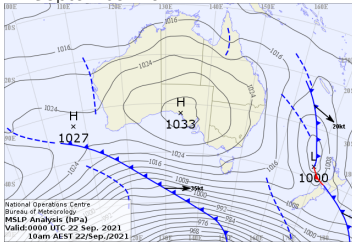
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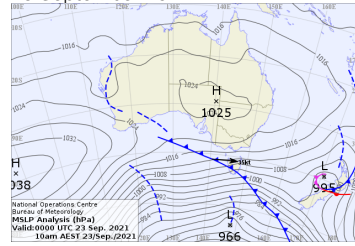
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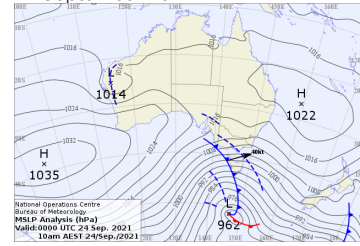
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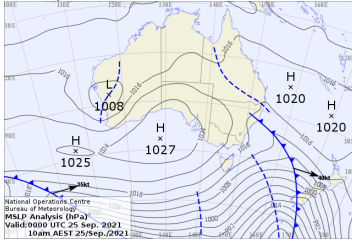
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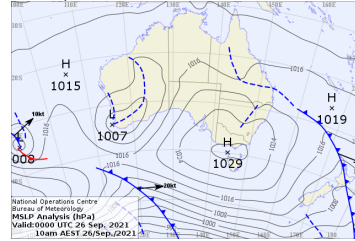
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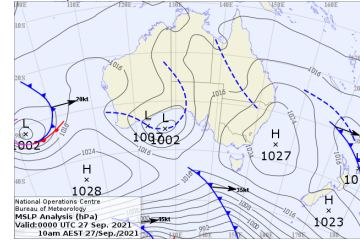
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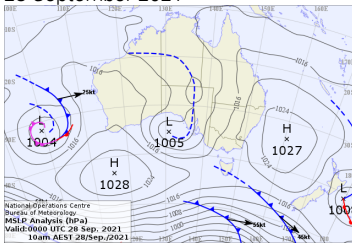
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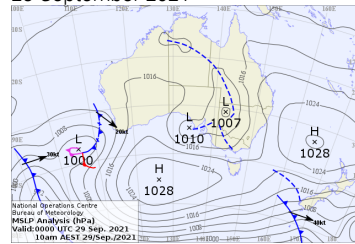
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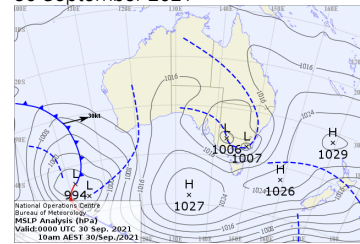
28 September 2021



29 September 2021



30 September 2021



Synoptic summary

September was dominated by anomalously higher pressure over much of the continent. Monthly mean sea level pressures in September were above the 1961-90 average across Australia, with pressures 4-5 hPa above normal across southern parts.

At the start of September, an upper-level trough interacted with a coast and surface trough over the north tropical to central Queensland coast. A cold front and pre-frontal trough crossed Western Australia on the 1st, South Australia on the 2nd then across south-east Australia on the 3rd, and tracked over New South Wales and offshore by the 5th.

Much of Australia was under the influence of high pressure from the 4th until the 11th. In the far south, a cold front and pre-frontal trough extended from south-west Western Australia to the Great Australian Bight on the 8th. The southern extent of that cold front crossed Tasmania on the 9th.

Another, more vigorous cold front and pre-frontal trough crossed Tasmania on the 11th, and Victoria and New South Wales on the 12th. That cold front moved off the north-east coast of New South Wales late on the 13th.

Another cold front and surface trough tracked across south-west Western Australia on the 15th. The cold

front tracked eastwards, and a surface trough extended north-west through central Australia to northern Western Australia. Another cold front followed, and quickly tracked across south-east Australia on the 19th, with a pair of surface troughs in the wake of the front crossing Tasmania on the 20th.

A pair of high pressure systems dominated much of Australia from the 20th until around the 24th.

On the 24th, a trough developed near the west coast of Western Australia and a weak low pressure system moved across southern parts of the state to the Great Australian Bight. The trough deepened in South Australia and the southern Northern Territory on the 28th, and drew tropical moisture into south-east Australia, with low pressure centres developing along the trough as it moved eastward into western Queensland, western New South Wales and Victoria.

On the 29th severe thunderstorms developed in parts of South Australia. Severe thunderstorms also affected parts of New South Wales on the 29th and 30th. Severe thunderstorms also brought giant hail to parts of southern and south-east Queensland on the 30th, along with a confirmed tornado at Clear Creek in New South Wales.

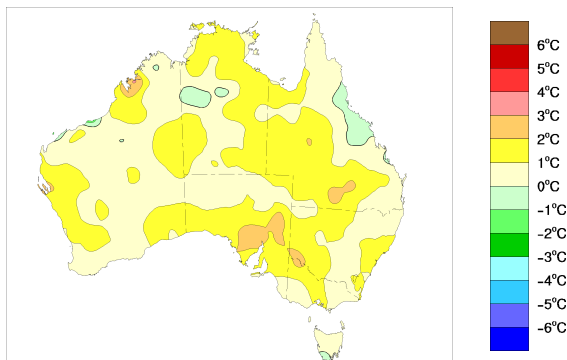
Temperatures

The national mean temperature for September was 1.01 °C warmer than the 1961–1990 average. The mean maximum temperature for September was 1.31 °C warmer than average and the mean minimum temperature was 0.70 °C warmer than average.

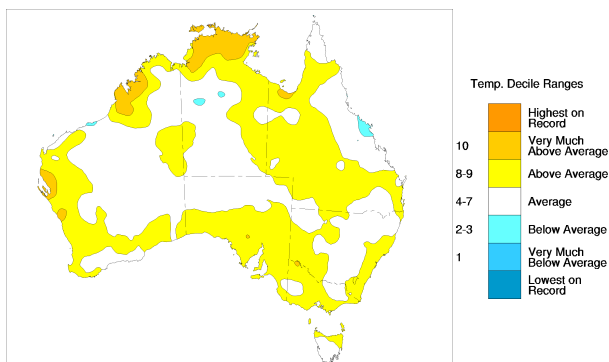
Maximum temperatures

Mean maximum temperatures for September were warmer than average for much of Australia, and very much warmer than average (amongst the highest 10% of historical observations for the month) for the Top End of the Northern Territory and in pockets of coastal Western Australia in the west Kimberley and northern Gascoyne. Much of Western Australia, Central Australia, New South Wales, eastern Queensland, and central and southern Tasmania saw close to average daytime temperatures.

Anomalies of mean daily maximum temperature in September 2021



Decile rank of mean daily maximum temperature in September 2021



A high pressure system over the Tasman Sea extended a ridge over eastern and central Australia and brought generally clear skies and northerly winds over south-eastern Australia at the start of the month. In contrast, a cold front tracked east and north from the south-west of Western Australia, and brought much cooler than usual days for most of Australia on the 4th and 5th. On the 2nd, a number of stations in

south-east South Australia set records for highest daily maximum temperature for September, whilst a number of sites to the south of Perth had their lowest September maximum temperature on record. In the Northern Territory, a few stations reported their coldest September day on record on the 5th. Cooler than usual days persisted until the 7th across most of north and east Australia.

Days were generally warmer than usual in the south-west on the 7th and 8th, and across southern mainland from the 9th before a cold outbreak in south-eastern Australia from the 12th till the 15th.

Very hot days with maximum temperatures of 40 °C or higher were observed at multiple sites in the Kimberley from the middle to the end of September. The first location to reach 40 °C was Wyndham Aero in the north Kimberley in Western Australia, with 40.5 °C on 14 September, which is typical (the median date to have a 40 °C or higher day in Australia, is mid-September). Wyndham Aero recorded a total of 7 days of 40 °C or higher in September, which was its second-highest such number in 22 years of record, behind a count of 10 such days in 2016.

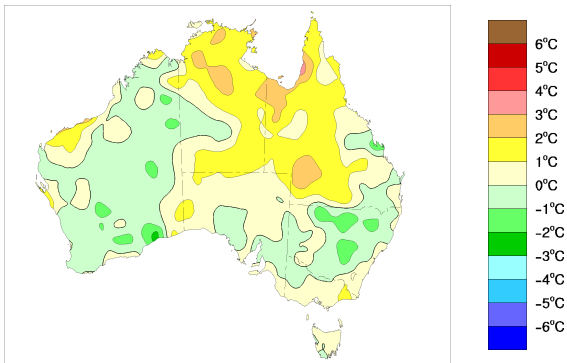
Warm northerly winds ahead of the passage of a cold front saw areas from central Australia to the south coast of South Australia record daytime temperatures more than 10 °C above average on the 16th, and in parts of south-west Queensland the following day.

Heat built over the north-west of Australia later in the month, with a low pressure centre developing on the Kimberley coast around the 20th. On the 20th and 21st some stations in the western Top End, including Darwin, and along the northern coast of Western Australia observed record high daily maximum or high daily minimum temperatures for September. This was only the fourth 38 °C or higher day in any month at Darwin Airport, in its 81 years of record.

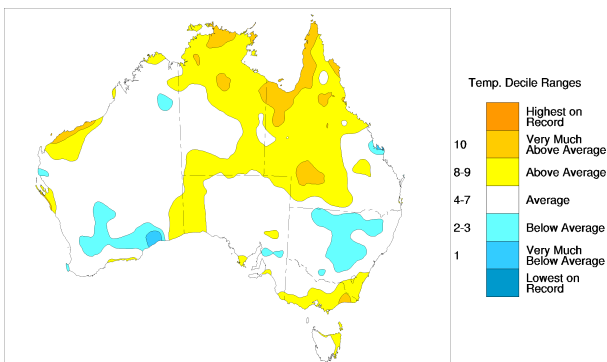
Minimum temperatures

Mean minimum temperatures for September were warmer than average for most of Queensland and the Northern Territory, southern and eastern Victoria, far western South Australia, along the Pilbara coast, south-western Gascoyne, and south-eastern border of Western Australia. The mean minimum temperature for the month was cooler than average for parts of central to eastern New South Wales inland of the ranges, and an area in the south of Western Australia.

Anomalies of mean daily minimum temperature in September 2021



Decile rank of mean daily minimum temperature in September 2021



Record warm September daily minimum temperatures were measured on the 3rd at a few

stations in central Victoria, mostly around Melbourne, and western New South Wales. Some areas of central and western Victoria extending up into western New South Wales, north-east South Australia and into southern parts of the Northern Territory reported minima more than 10 °C above average.

Calm and clear night skies associated with a high pressure system saw minimum temperatures 6-8 °C below average in southern parts of Western Australia between the 3rd and 5th, with consecutive frost events in a large part of agricultural districts. Cool nights persisted across most of the continent until the 11th. Some sites in the south-eastern Gascoyne recorded their lowest temperature on record on the 3rd.

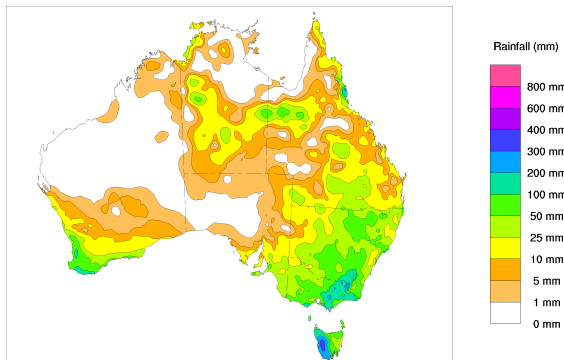
Minima were generally more than 10 °C above average through central Australia and western Queensland from the 17th to the 18th, as a cloudband extended across those regions.

There were very warm nights along the northern coast of Western Australia on the 21st and 22nd, with Derby and Broome reporting their record high daily minimum temperatures for September on the 21st, and Karratha and Port Headland Airports reporting their record high daily minimum temperature for September on the 22nd.

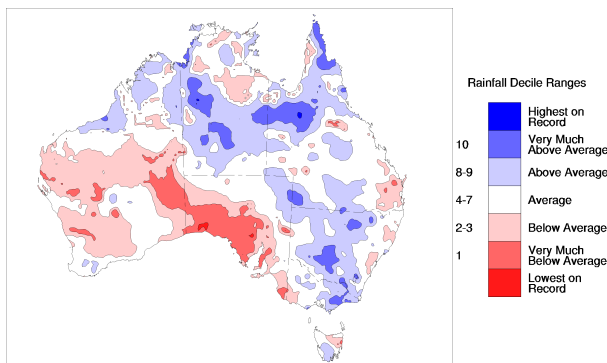
Rainfall

September rainfall was 14% below average for Australia as a whole.

Total rainfall in September 2021



Decile rank of total rainfall in September 2021



Rainfall for the month was below average for the southern half of Western Australia, much of South Australia, and much of the east coast between the Central Tablelands in New South Wales and the Wide Bay and Burnett District in Queensland. For much of coastal South Australia rainfall for the month was very much below average (amongst the lowest 10% of historical observations).

Rainfall was above average for most of the Northern Territory south of the Top End and Gulf, northern Queensland, and in a band from south-west Queensland through north-western New South Wales to eastern Victoria. In Tasmania, rainfall was below average for the north-east and above average for the Central Plateau to Derwent Valley.

September started with wet days in Queensland with moderate falls along the north tropical to central Queensland coast. A few stations recorded their

highest September daily rainfall in the northern tropics on the 1st and in the north-west on the 2nd.

Moderate falls were reported in central and southern parts of the Northern Territory, and widespread across south-east Australia on the 4th and 5th, easing on the 6th. Many places in eastern half of Victoria had record high daily rainfall for September between the 4th and 6th, although mostly stations with less than 30 years of record, and a few places inland of the ranges in southern New South Wales also set their September daily rainfall record on the 4th or 5th.

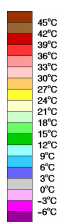
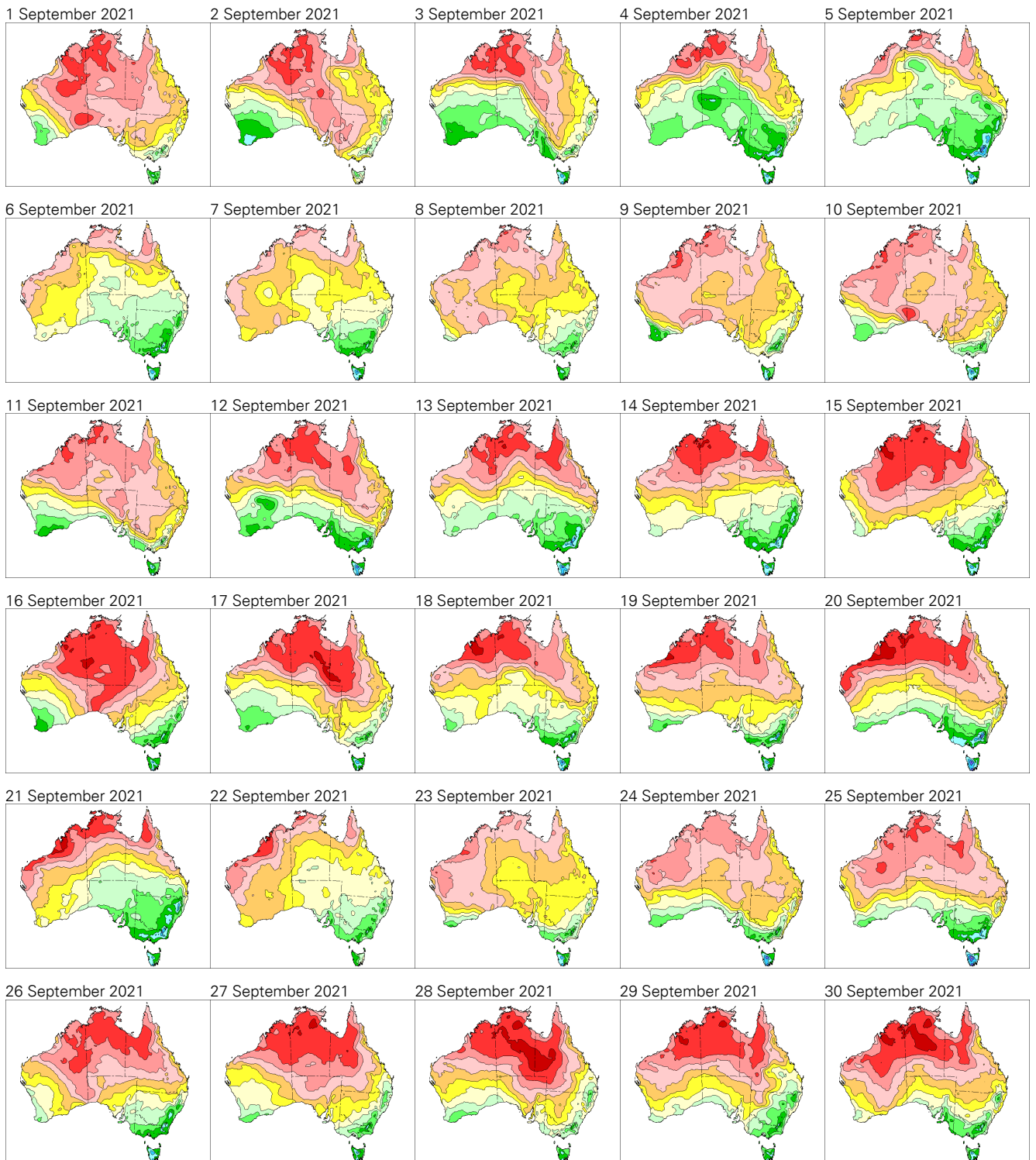
Moderate falls were recorded in the far south-west of Western Australia on the 9th and 10th, and moderate rainfall and snow, was reported in western Tasmania on the 12th. Moist onshore flow produced moderate falls about the central coast of New South Wales on the 14th.

Showers and thunderstorms, and moderate falls were recorded over the south-west coast in Western Australia on the 16th. An extensive cloudband produced moderate falls in southern parts of the Northern Territory, the alpine regions of south-east Australia, and western Tasmania on the 18th, then moderate falls were reported over southern and eastern Victoria, and most of Tasmania from the 20th to 22nd.

In the last days of the month, widespread areas of moderate to heavy rainfall was recorded across New South Wales, southern Queensland and Victoria. Thunderstorms embedded in the cloud band saw some locally intense falls. Severe thunderstorms were reported in many areas of Queensland, New South Wales, Victoria and the ACT.

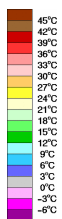
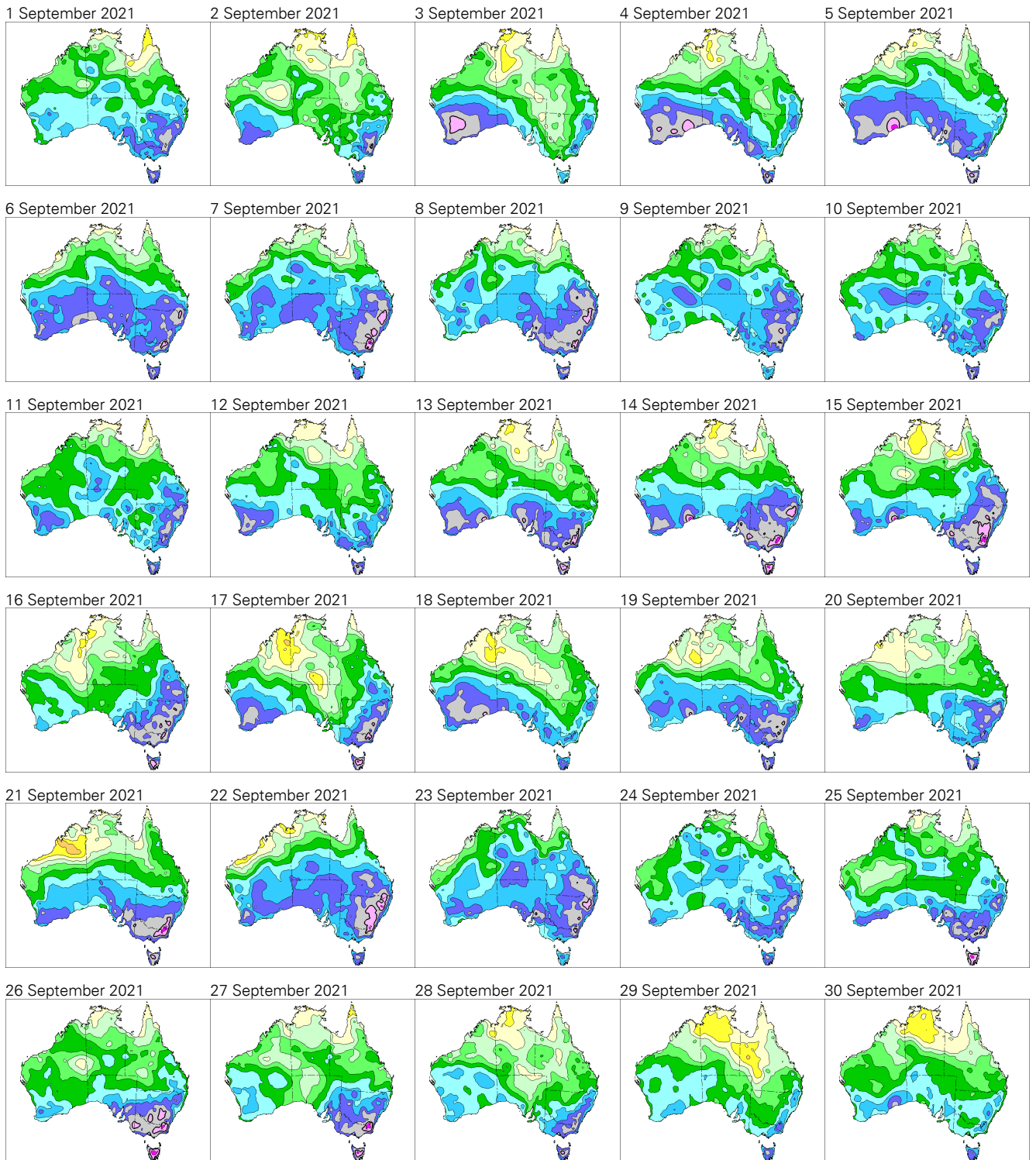
On the 29th severe thunderstorms brought heavy rain, hail, and flash flooding to parts of South Australia, leading to some local evacuation and disruption to road travel. Severe thunderstorms also affected parts of New South Wales, with damaging winds, heavy rain, and hail on the 29th and 30th. Daily rainfall records for September were reported in parts of New South Wales, mostly in the northern slopes and plains, and in parts of coastal Victoria for the 24 hours to 9 am on the 30th. Severe thunderstorms also brought giant hail to parts of southern and south-east Queensland on the 30th.

Daily maximum temperature maps



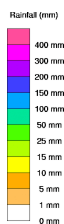
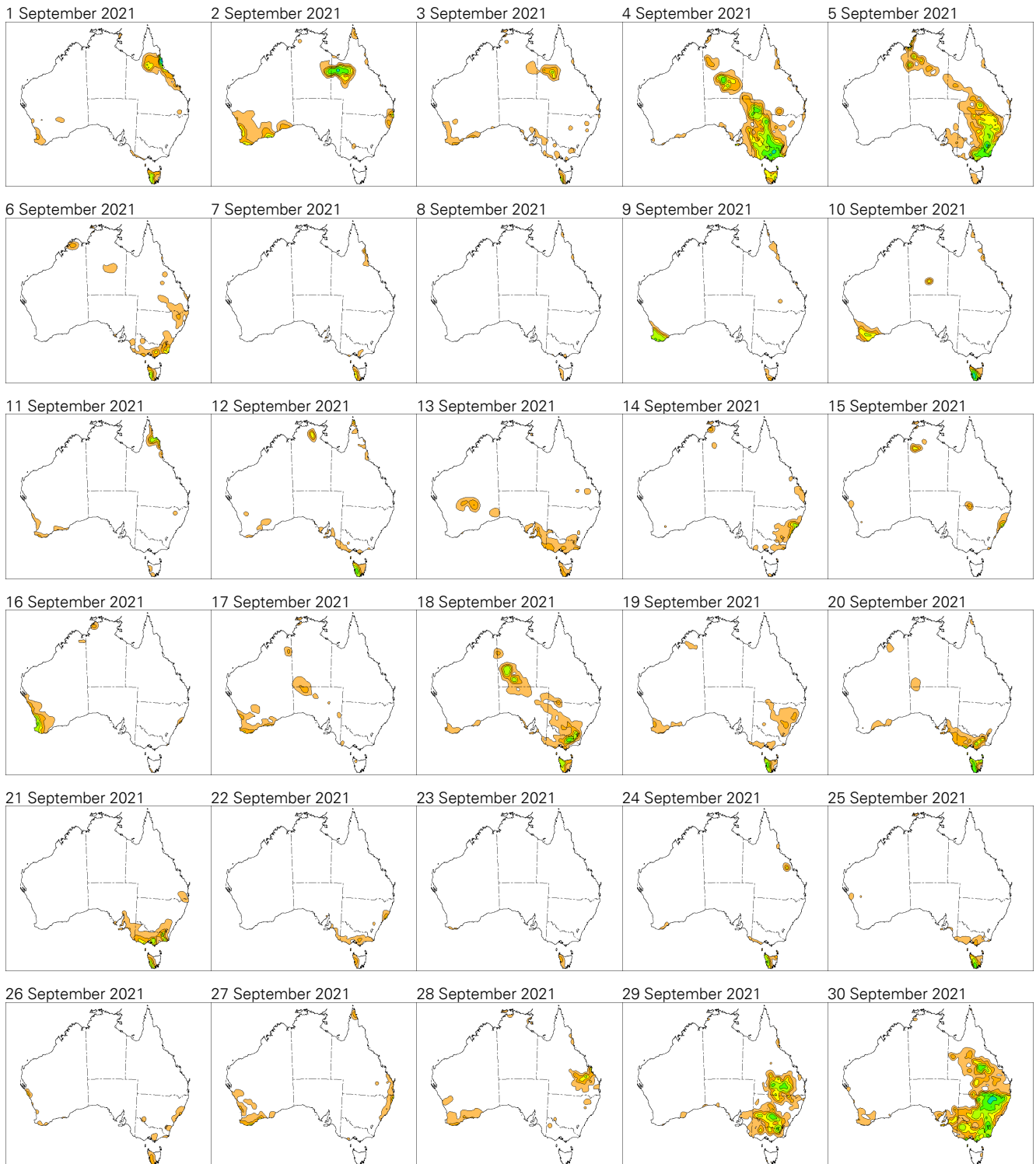
These maps are intended to give an overview of daily maximum temperature across the country. There could be discrepancies between the values shown on these maps and those at individual locations, as a result of the way the maps are generated. A wide range of maps of rainfall, temperature and other variables, covering the whole country and smaller regions can be found at www.bom.gov.au/climate/maps/.

Daily minimum temperature maps



These maps are intended to give an overview of daily minimum temperature across the country. There could be discrepancies between the values shown on these maps and those at individual locations, as a result of the way the maps are generated. A wide range of maps of rainfall, temperature and other variables, covering the whole country and smaller regions can be found at www.bom.gov.au/climate/maps/.

Daily rainfall maps



These maps are intended to give an overview of daily rainfall across the country. There could be discrepancies between the values shown on these maps and those at individual locations, as a result of the way the maps are generated. A wide range of maps of rainfall, temperature and other variables, covering the whole country and smaller regions can be found at www.bom.gov.au/climate/maps/.

Records

Record highest September daily maximum temperature			
	New record	Old record	Years of record
Northern Territory			
014015 Darwin Airport	38.0 on 21st	37.7 on 17th in 1983	81
014825 Victoria River Downs	41.3 on 30th	40.8 on 20th in 2020	56

Record highest September mean maximum temperature			
	New record	Old record	Years of record
Northern Territory			
014015 Darwin Airport	34.1 =	34.1 in 2017	81
<i>= indicates the new record equals the old one.</i>			

Record lowest September daily maximum temperature			
	New record	Old record	Years of record
Western Australia			
001025 Doongan	27.9 on 6th =	27.9 on 11th in 2011	33
009172 Jandakot Aero	13.8 on 2nd	14.1 on 6th in 2004	32
Northern Territory			
014840 Wave Hill	18.6 on 5th	19.6 on 5th in 1978	48
015131 Elliott	21.5 on 5th	21.9 on 8th in 1987	40
<i>= indicates the new record equals the old one.</i>			

Record lowest September daily minimum temperature			
	New record	Old record	Years of record
Western Australia			
007139 Paynes Find	-0.6 on 3rd	0.0 on 1st in 1995	43

Record lowest September mean minimum temperature			
	New record	Old record	Years of record
Western Australia			
009871 Windy Harbour	8.3 =	8.3 in 2018	32
<i>= indicates the new record equals the old one.</i>			

Record highest September daily minimum temperature				
		New record	Old record	Years of record
Western Australia				
003003	Broome Airport	26.7 on 21st	25.8 on 21st in 2020	83
003030	Bidyadanga	26.5 on 21st	25.0 on 23rd in 1960	61
003032	Derby Aero	29.0 on 21st	27.4 on 4th in 1975	37
003080	Curtin Aero	28.3 on 21st	27.0 on 26th in 2010	30
004032	Port Hedland Airport	26.4 on 22nd	25.1 on 25th in 1980	74
005008	Mardie	23.5 on 22nd	22.2 on 28th in 1989	64
Queensland				
032004	Cardwell Marine Pde	23.9 on 30th	23.8 on 3rd in 1992	65
New South Wales				
047048	Broken Hill Airport AWS	21.5 on 3rd	= 21.5 on 12th in 2017	33
Victoria				
076047	Ouyen (Post Office)	21.4 on 3rd	20.2 on 24th in 2001	65
086038	Essendon Airport	18.6 on 3rd	18.3 on 21st in 2019	52
086077	Moorabbin Airport	21.7 on 3rd	20.1 on 29th in 1999	51
086104	Scoresby Research Institute	20.7 on 3rd	20.3 on 21st in 2019	56

= indicates the new record equals the old one.

Record highest September mean minimum temperature				
		New record	Old record	Years of record
Western Australia				
006044	Denham	16.8	16.5 in 2014	32

Lowest September mean temperature for at least 30 years				
		Observed this month	Most recent lower	
New South Wales				
054003	Barraba (Clifton Lane)	11.6	11.1 in 1989	

Record highest September daily rainfall				
		New record	Old record	Years of record
Western Australia				
010715	Barracup	36.0 on 9th	30.2 on 30th in 2003	63
Northern Territory				
014829	Lajamanu Airport	31.2 on 6th	25.7 on 20th in 1964	57
South Australia				
025006	Karoonda	28.0 on 30th	26.4 on 25th in 1992	108
Queensland				
029131	Gereta Station	40.0 on 2nd	20.1 on 4th in 1936	34
031049	Mulgrave Mill	89.0 on 1st	74.4 on 14th in 1953	77
031104	Mt Sophia	233.0 on 1st	88.0 on 27th in 1988	54
037010	Camooweal Township	38.4 on 2nd	36.3 on 5th in 1947	130

Record highest September daily rainfall				
		New record	Old record	Years of record
New South Wales				
053002	Baradine Forestry	44.4 on 30th	43.7 on 24th in 1973	76
053018	Croppa Creek (Krui Plains)	61.2 on 30th	44.2 on 18th in 1976	108
070247	Canberra (Australian National Botanic Ga	49.5 on 5th	45.8 on 17th in 2013	54
073007	Burrinjuck Dam	62.2 on 5th	61.0 on 26th in 1960	113
074162	Morundah Hotel	45.8 on 4th	29.2 on 29th in 2005	37
075173	Hay (Bedarbidgal)	38.0 on 4th	34.0 on 4th in 2010	35
Victoria				
077082	Beulah West	36.6 on 30th	34.0 on 4th in 2010	53
080109	Cobram (Goulburn Murray)	40.0 on 4th	38.4 on 15th in 1993	63
082138	Wangaratta Aero	43.2 on 4th	43.0 on 25th in 1992	35
085238	Erica (Parkers Corner)	77.4 on 6th	69.2 on 15th in 1993	60
085280	Morwell (Latrobe Valley Airport)	35.0 on 4th	33.4 on 15th in 1993	38

Record highest September total rainfall				
		New record	Old record	Years of record
Queensland				
029131	Gereta Station	49.0	30.3 in 1936	34

Highest September total rainfall for at least 30 years			
		Observed this month	Most recent higher
Northern Territory			
014829	Lajamanu Airport	37.4	49.8 in 1964 *
Queensland			
027015	Moreton Telegraph Station	14.1	25.9 in 1947 *
029027	Kamilaroi Station	29.0	69.4 in 1978
029075	Fort Constantine Station	34.0	73.8 in 1978 *
031049	Mulgrave Mill	109.5	110.5 in 1936 *
031104	Mt Sophia	266.0	272.3 in 1972 *
Victoria			
084023	Marlo	136.2	145.7 in 1916 *

* note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported.

Selected observations

Daily and mean maximum temperatures for September 2021

Western Australia		Mean Anom	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
001019 Kalumburu		36.0	35.1	35.6	36.8	34.2	35.5	33.2	33.5	34.5	35.4	35.9	36.9	37.1	37.3	38.5	37.2	35.5	35.0	34.9	35.6	37.2	38.7	37.3	35.2	36.4	34.6	35.6	37.3	37.5	35.7	37.0	
002056 Kununurra Aero		36.5	37.1	36.9	37.5	36.9	28.4	30.0	30.5	34.1	35.2	35.7	36.6	37.4	38.5	39.6	38.5	38.8	38.8	38.7	37.2	39.8	38.3	37.2	34.1	34.9	36.5	37.8	38.4	38.7	39.5	39.7	
003003 Port Hedland Airport		33.2	+1.3	29.6	29.0	35.1	34.8	33.9	32.9	33.1	34.6	36.2	36.6	32.2	31.4	29.2	30.4	29.8	29.7	37.9	38.0	38.1	39.4	37.2	32.9	33.0	30.1	29.2	31.9	30.5	32.4	32.2	
003032 Derby Aero		36.9	36.5	36.0	37.0	37.1	36.1	33.2	33.5	35.3	36.7	36.5	36.2	36.5	35.9	37.3	39.4	38.5	38.3	40.4	37.7	40.2	40.8	38.5	35.8	34.1	34.1	35.1	37.1	37.4	37.6	39.6	
004032 Port Hedland Airport		33.5	+1.3	30.6	34.1	31.9	32.3	32.9	33.9	31.5	30.8	33.5	34.8	35.8	30.6	30.9	31.1	31.9	32.0	35.6	35.5	36.6	39.2	38.9	36.3	32.8	35.4	31.0	32.9	33.8	32.7	31.3	
004083 Karratha Aero		31.7	30.2	32.8	29.7	30.1	30.9	29.4	28.9	29.1	31.5	34.3	32.1	31.7	29.7	29.1	30.2	30.6	31.6	29.9	35.3	35.9	36.6	33.8	31.2	32.7	32.5	31.2	31.5	31.5	33.0	34.9	
004106 Marble Bar		34.5	35.3	34.2	29.9	29.3	30.8	31.3	30.9	32.3	34.7	35.5	36.2	34.6	33.5	34.3	35.1	35.5	33.7	34.5	37.3	37.3	35.4	35.8	34.3	36.0	36.3	36.4	34.1	34.6	37.1	37.8	
005007 Learmonth Airport		30.3	26.8	26.0	25.1	28.9	28.8	28.8	28.3	29.6	30.3	33.3	28.8	29.6	31.2	30.4	26.9	29.1	27.4	29.9	32.1	35.7	36.2	34.2	35.4	33.3	29.6	28.6	29.3	30.4	32.9	33.0	
006011 Carnarvon Airport		26.5	+2.1	23.7	23.1	21.4	25.8	28.9	30.0	29.6	29.1	25.3	23.2	25.9	26.8	23.2	23.5	23.4	22.9	25.7	27.3	37.0	34.4	33.2	25.8	25.7	23.7	24.0	23.3	26.0	26.2		
006044 Denham		25.2	24.0	21.0	19.0	23.5	26.5	31.5	26.0	26.0	25.0	22.5	21.0	23.5	25.0	24.0	24.5	22.5	21.5	24.0	22.5	35.0	32.5	31.0	26.5	25.5	24.0	24.0	25.0	26.0	26.5	26.0	
007176 Newman Aero		30.0	33.8	25.6	22.5	22.4	24.8	27.8	28.6	29.3	31.4	32.2	31.5	30.2	28.7	31.7	33.4	28.1	26.4	29.4	32.0	31.2	29.4	31.6	31.6	33.6	33.9	30.4	28.0	31.0	32.9	35.1	
007185 Paraburdoo Aero		31.0	31.7	24.9	23.5	25.1	27.8	30.6	30.5	31.2	32.9	32.9	30.6	30.2	30.6	33.6	31.8	27.7	27.9	32.2	33.9	34.9	32.8	34.9	34.7	35.9	32.1	29.2	27.1	31.2	34.0	33.3	
007045 Meekatharra Airport		26.5	+1.1	27.2	19.2	18.8	20.8	23.3	27.2	27.8	30.0	30.5	29.7	22.5	21.9	22.4	27.5	29.9	23.3	20.7	26.1	29.9	28.5	29.0	30.0	32.4	31.2	29.3	24.9	23.3	26.7	30.2	29.4
007600 Mount Magnet Aero		29.1	22.9	18.5	16.7	19.7	22.9	27.0	29.2	30.6	31.1	24.3	20.6	21.3	21.7	24.9	28.7	21.5	19.6	24.0	26.7	27.4	28.6	29.3	31.7	24.5	29.9	22.1	22.5	25.7	30.0	28.3	
008296 Morawa Airport		24.3	18.4	16.1	17.1	19.9	22.7	28.1	30.4	30.5	27.8	21.6	21.3	22.5	24.8	22.7	19.3	20.1	21.9	24.1	27.5	29.7	30.8	31.6	27.2	27.5	22.1	21.6	26.4	28.3	27.2		
008297 Dalwallinu		22.4	17.1	13.5	14.7	17.8	20.6	23.9	28.2	27.6	26.0	18.7	17.7	18.3	21.4	23.4	21.9	18.0	18.6	21.0	22.1	24.5	27.1	29.8	27.8	22.9	29.7	21.6	22.7	24.7	26.6	24.6	
008315 Geraldton Airport		24.3	21.3	18.4	18.8	21.4	24.4	29.6	32.1	27.5	24.7	21.5	20.3	22.8	22.4	23.8	22.4	19.6	20.1	21.8	24.0	30.0	31.9	33.5	26.9	27.2	23.4	21.3	21.7	26.0	25.5	25.4	
009021 Perth Airport		21.6	+1.6	18.6	14.5	17.1	20.0	21.8	24.7	30.3	26.5	14.8	18.7	19.3	18.4	20.7	23.6	21.4	17.0	18.0	20.2	21.0	22.1	26.5	29.8	25.1	21.1	23.1	20.8	21.3	22.3	25.1	23.4
009131 Jurien Bay		22.3	19.9	16.4	18.7	20.6	24.6	25.9	25.2	18.2	18.8	19.9	20.5	20.6	21.7	18.6	20.5	21.5	27.8	28.8	29.4	25.5	25.4	25.1	21.0	21.6	21.0	21.6	23.0	23.3			
009225 Perth Metro		21.5	18.9	13.9	17.0	19.7	21.9	24.9	29.7	25.7	15.2	19.3	19.0	18.7	20.8	22.6	20.9	16.6	17.9	20.9	21.1	22.4	26.3	30.4	24.1	21.1	23.4	21.1	20.7	22.2	24.4	23.3	
009240 Bickley		18.2	14.4	11.1	13.2	16.9	18.9	22.3	26.0	23.7	11.8	14.9	16.2	15.2	17.6	20.7	18.0	12.7	14.1	15.8	17.9	18.8	23.3	26.6	23.8	17.9	19.8	16.4	18.2	18.9	21.6	20.5	
009518 Cape Leeuwin		18.1	+0.9	15.9	14.7	15.6	17.2	19.6	23.5	22.9	15.8	16.0	17.0	16.4	17.4	19.2	18.6	14.7	16.9	18.0	16.8	16.9	24.3	21.1	17.0	16.6	18.2	17.6	15.8	18.2	22.7	20.5	
009617 Bridgetown		18.2	15.4	12.1	15.0	16.7	20.0	22.1	24.8	21.1	13.6	17.2	15.1	16.7	19.1	19.7	18.5	13.1	15.6	17.9	17.3	17.1	25.2	26.0	17.4	16.5	17.4	18.7	18.3	18.1	19.6	20.4	
009746 Witchcliffe		18.0	15.8	12.7	15.4	16.8	18.8	20.6	22.6	16.2	14.9	16.8	15.1	16.9	17.2	19.2	18.5	14.0	15.9	18.1	16.7	18.5	22.6	24.3	17.1	17.1	20.8	19.7	16.2	19.4	20.4	21.0	
009789 Esperance		20.1	22.4	13.1	14.1	16.0	19.9	23.8	28.4	30.5	20.3	18.0	15.1	14.4	19.4	22.9	26.5	20.5	15.3	22.0	16.4	15.9	23.5	28.5	17.8	15.7	18.5	20.5	17.4	16.7	20.6	24.3	
009965 Bunbury		19.1	16.5	13.9	15.4	17.6	19.8	23.1	22.5	20.7	15.3	17.5	17.5	16.4	18.8	19.5	19.8	15.1	17.0	18.2	19.3	19.5	22.5	24.9	21.3	18.3	21.1	19.6	19.9	20.4	20.8	20.6	
009977 Mandurah		19.5	17.2	13.7	16.2	17.5	20.6	21.5	22.5	19.7	15.5	17.5	17.4	17.5	19.5	19.4	19.0	16.4	17.2	17.8	20.1	21.9	23.1	24.3	22.4	19.8	23.0	20.4	20.6	21.4	20.6	21.4	
009999 Albany Airport		18.2	18.2	12.1	14.8	17.6	20.0	22.3	27.0	20.8	13.5	17.2	14.3	14.8	18.5	20.4	21.1	14.9	15.4	19.1	15.5	16.3	23.2	26.4	14.9	15.3	17.0	20.3	16.0	16.2	18.8	23.5	
010007 Busselton		22.0	+1.0	20.0	12.4	15.0	17.5	20.8	24.5	28.0	28.6	25.9	18.5	16.0	17.5	20.5	23.0	24.5	16.5	17.0	20.5	22.0	23.0	27.0	28.5	27.0	21.5	21.0	22.5	25.2	28.2	24.9	
010092 Merredin		21.6	+1.3	18.2	12.8	14.2	18.0	20.5	25.5	28.5	25.0	18.0	17.0	17.5	21.1	23.0	25.6	15.6	17.1	21.0	21.6	22.0	26.2	29.2	27.5	21.0	25.5	22.0	20.9	21.5	26.2	25.2	
010286 Cunderdin Airfield		21.7	18.4	13.3	15.4	17.7	20.8	23.8	28.4	27.4	22.6	18.2	17.6	16.9	20.6	23.7	22.6	16.4	18.1	21.0	21.2	21.6	26.2	28.6	25.9	20.4	25.8	22.1	21.6	22.9	27.1	25.8	
010633 Ravensthorpe		19.6	+0.2	19.0	13.0	14.2	18.4	21.0	24.0	28.0	27.5	16.5	18.0	14.0	13.8	19.5	22.0	15.0	17.3	20.6	15.5	18.5	24.8	29.0	19.0	15.3	18.1	24.0	17.0	16.9	22.9	24.9	
010911 Lake Grace		19.7	18.6	12.4	14.4	16.8	19.6	22.0	27.0	26.3	16.5	16.9	15.2	14.2	17.9	21.5	23.8	15.9	16.3	19.3	17.4	19.2	25.2	27.5	20.9	17.8	20.7	23.4	18.6	17.5	23.8	23.6	
010916 Katanning		17.2	15.4	10.0	14.3	16.0	18.1	20.2	24.5	23.6	10.8	15.3	13.4	13.6	16.0	19.4	19.1	14.1	14.5	15.8	16.4	16.3	21.7	24.3	18.3	15.0	14.3	18.6	17.6	18.1	21.1	21.1	
010917 Wandering		18.4	17.1	11.4	13.3	17.2	18.8	20.7	25.7	23.9	12.2	15.6	15.1	14.6	17.7	21.0	19.4	14.5	16.5	17.4	17.4	17.5	23.0	27.0	18.8	16.8	18.9	19.1	20.1	18.1	22.9	20.8	
011003 Eucla		23.5	+2.1	35.0	20.0	16.1	16.8	16.9	19.7	26.6	30.7	33.5	34.3	19.4	17.7	18.1	21.2	30.0	32.7	18.8	22.7	2											

Daily and mean maximum temperatures for September 2021

New South Wales		Mean Anom	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
048027 Cobar MO		23.8	+2.5	28.7	31.3	28.2	16.3	16.2	19.2	21.8	22.1	26.6	29.2	30.5	26.1	14.9	19.9	21.2	24.7	26.7	22.6	24.5	25.7	16.8	20.3	24.6	27.0	22.4	22.5	25.5	28.2	24.0	26.9	
048245 Bourke Airport AWS		25.7		30.2	32.4	29.2	18.7	18.1	20.9	23.2	24.3	27.4	30.1	31.9	32.7	18.8	22.1	22.6	25.7	30.8	23.4	25.9	28.2	18.5	22.2	25.3	29.1	27.3	23.5	28.7	29.0	22.4	27.8	
049000 Ivanhoe Aerodrome AWS		22.9		29.1	32.3	29.9	16.0	16.2	18.3	19.4	20.8	25.9	28.7	30.6	20.4	16.1	18.9	20.5	23.0	26.2	21.2	24.9	19.6	17.4	21.6	24.9	28.4	19.7	20.6	24.1	28.8	20.4	24.1	
050052 Condobolin Ag Research Stn		20.8	+0.7	25.8	26.8	24.2	14.9	14.1	16.7	17.5	19.4	23.0	25.2	27.4	21.2	14.8	17.1	17.8	19.6	24.2	20.4	21.5	23.4	15.4	18.6	22.6	25.6	18.2	20.5	22.5	24.0	16.6	23.5	
052088 Walgett Airport AWS		24.7		27.6	29.0	26.0	21.7	17.8	19.0		22.3	25.5	28.4	30.2	32.2	19.9	20.4	21.4	23.5	28.5	25.8	25.1	28.3	17.4	20.6	24.5	29.8	27.4	25.0	26.7	24.2	20.4	28.9	
053115 Moree Aero		23.3		27.5	25.9	23.2	24.1	16.7	17.9	21.0	22.1	24.0	25.2	27.6	29.5	20.5	18.0	20.4	22.3	25.1	27.7	24.1	27.7	15.1	20.0	24.2	27.2	28.4	25.9	24.9	21.2	17.6	25.2	
054038 Narrabri Airport AWS		23.3		27.4	26.4	24.2	21.8	17.3	20.7	22.1	22.8	23.8	26.2	26.8	29.4	20.7	17.8	20.3	21.4	24.5	25.9	23.9	26.3	15.5	20.6	23.6	26.3	28.0	25.2	24.4	22.5	19.9	24.5	
055325 Tamworth Airport AWS		22.1		25.6	26.3	23.5	22.8	16.0	18.3	20.7	21.9	23.2	24.3	25.7	27.7	20.9	15.8	19.2	20.1	23.1	25.8	21.5	23.9	13.8	19.1	22.4	24.8	26.0	22.6	23.5	24.2	18.1	22.5	
056242 Inverell (Raglan St)		21.0		25.2	22.9	20.8	21.2	13.8	17.8	19.5	22.2	22.5	24.1	25.1	24.6	21.6	15.2	19.6	20.4	21.7	23.7	24.3	24.4	12.3	18.9	21.9	23.4	24.1	23.8	22.1	20.1	14.7	17.9	
057095 Tabulam (Muirie)		21.6		24.8	20.8	18.4	21.4	17.8	20.5	19.4	19.8	24.2	26.4	26.3	24.9	26.8	16.6	19.5	19.7	21.4	24.3	25.2	27.2	17.4	19.2	22.8	24.8	27.2	21.8	14.3	17.7	15.5	20.6	
058012 Yamba Pilot Station		23.0	+1.5	23.8	22.5	23.1	22.3	22.6	20.1	20.2	21.7	24.9	25.6	25.7	28.5	22.3	18.8	20.2	20.0	22.0	25.6	22.9	26.8	20.5	19.9	23.0	29.8	25.9	21.0	20.1	22.9	23.0	24.8	
060139 Port Macquarie Airport AWS (Comparison)		22.7		24.3	22.3	22.7	24.3	18.7	20.7	23.0	20.7	24.3	28.9	25.1	32.1	22.7	16.5	18.1	19.2	21.2	27.0	21.6	24.9	18.9	20.6	22.7	25.1	28.3	17.3	20.1	22.2	23.6	24.9	
061078 Williamtown RAAF		23.0	+1.9	24.6	23.5	25.1	24.4	19.4	19.6	23.7	20.4	27.3	28.4	29.1	30.7	19.7	16.2	17.8	17.5	21.5	27.4	23.9	27.1	16.9	19.3	26.3	27.5	24.1	17.6	19.3	23.9	23.6	24.7	
061363 Scone Airport AWS		22.6		25.1	24.6	24.7	23.3	16.6	19.2	21.8	22.4	24.8	26.5	26.8	28.0	21.3	16.5	17.8	18.7	23.4	25.3	22.7	25.0	15.1	19.5	23.8	25.9	26.2	17.2	21.9	24.9	22.7	25.0	
062101 Mudgee Airport AWS		19.8		24.1	24.0	22.3	15.4	12.8	16.2	18.6	20.0	21.8	23.8	25.1	25.9	15.6	16.8	17.6	18.0	21.5	22.9	18.7	21.7	13.1	18.4	20.9	22.5	20.1	14.6	20.0	22.3	16.4	22.5	
063005 Bathurst Agricultural Station		17.0	+1.2	22.6	22.0	20.5	12.6	10.0	12.6	14.1	19.6	20.0	21.4	22.1	22.0	11.4	13.7	15.7	16.5	19.6	18.7	16.4	18.5	9.5	15.5	19.1	19.5	14.5	14.0	17.0	20.0	14.3	17.9	
063254 Orange Agricultural Institute		20.0	20.1				17.5	9.6	12.5	15.5	16.4				19.4	9.6	11.6	12.0	14.5				16.4	16.1	8.5	12.4	17.2		17.0	15.7	17.0	12.2	16.1	
064008 Coonabarabran (Showgrounds)		20.4	+0.1	25.0	24.5	22.1	16.6	13.5	16.0	18.4	21.5	22.5	24.4	25.4	26.5	16.0	16.5	17.5	20.0	22.5	20.2	21.6	22.4	11.9	17.5	22.5	23.3	22.8	20.5	22.0	21.2	14.5	22.0	
065070 Dubbo Airport AWS		21.3		25.2	27.3	24.1	16.3	15.3	16.5	19.6	20.9	21.4	25.6	26.8	27.5	16.3	18.8	19.1	20.3	24.2	21.0	21.0	24.0	12.7	19.9	21.6	25.2	20.5	20.2	23.3	23.3	18.7	23.8	
066214 Sydney (Observatory Hill)		22.5		25.7	22.6	23.5	22.9	19.1	18.9	24.4	21.7	28.3	24.8	29.3	30.1	17.7	15.9	18.0	18.3	21.3	24.3	24.4	26.4	17.4	19.8	26.6	27.1	21.5	16.0	21.0	21.9	21.9	23.7	
067105 Richmond RAAF		23.2		25.3	23.4	26.0	22.5	18.7	20.5	24.0	23.0	28.1	28.2	29.3	29.8	18.1	16.8	19.4	19.9	22.9	27.4	24.2	26.4	17.9	21.1	27.0	27.1	23.4	15.8	19.0	24.9	21.4	24.2	
068072 Nowra RAN Air Station AWS		21.0		25.6	22.9	24.2	19.0	16.2	17.8	22.1	21.8	24.4	20.5	28.1	26.2	14.2	15.8	16.0	17.2	22.6	23.8	21.7	24.3	16.2	19.0	26.8	25.9	15.4	15.8	18.9	23.0	20.7	23.3	
068151 Jersey Bay (Point Perpendicular)		19.2		22.5	21.0	20.6	17.9	15.1	15.1	21.2	19.0	23.6	19.7	27.2	24.4	14.0	13.6	13.5	15.5	19.8	21.9	19.9	22.8	17.8	13.8	16.6	24.4	24.0	13.8	13.9	18.4	20.0	20.7	22.2
068241 Albion Park (Shellharbour Airport)		21.5		23.7	21.1	21.8	19.4	17.3	18.6	23.4	20.5	27.1	23.5	29.5	28.5	17.3	15.9	16.7	17.6	21.9	23.0	23.3	25.7	13.4	20.5	26.3	26.6	18.5	16.8	19.1	21.1	21.0	21.9	
069018 Moruya Heads Pilot Station		19.2	+0.8	19.8	19.6	18.8	18.3	14.0	18.8	18.0	17.8	25.1	20.2	28.0	19.1	15.5	15.7	15.8	15.6	21.4	24.1	22.2	23.8	16.5	16.7	21.5	26.0	13.9	15.2	16.9	19.5	17.5	22.0	
070351 Canberra Airport		17.3		22.7	22.7	21.5	12.8	11.2	15.8	18.8	16.6	19.9	21.1	22.5	17.7	11.6	14.3	15.7	16.1	18.5	17.6	15.5	16.7	13.9	16.8	19.5	20.0	15.3	14.3	17.3	20.3	14.1	17.9	
071041 Thredbo Village		9.9		15.0	16.0	8.3	8.2	7.5	11.0	14.2	10.2	12.0	14.0	6.0	5.5	8.0	10.3	10.9	13.0	8.1	6.5	4.0	6.0	11.5	12.0	10.0	6.5	8.5	10.0	13.8				
072150 Wagga Wagga AMD		18.1	+0.9	22.5	24.1	23.1	13.9	14.4	15.4	15.9	16.9	19.6	20.9	25.3	13.8	14.1	16.0	16.3	18.0	20.3	17.0	18.5	12.7	14.5	15.9	19.9	23.6	14.9	17.4	18.0	22.4	17.3	20.3	
072160 Albury Airport AWS		18.2		23.0	23.6	21.8	14.1	15.2	16.8	16.1	16.1	19.5	19.7	25.3	15.4	16.2	16.7	17.1	16.3	20.0	16.5	18.1	15.4	15.0	17.3	20.2	21.4	16.0	17.5	18.4	21.4	17.4	17.1	
072161 Cabramurra SMHEA AWS		8.6		15.0	15.4	12.7	7.3	2.5	8.5	7.4	10.7	8.4	10.2	14.6	4.0	4.6	8.0	8.2	9.1	11.1	6.0	5.5	2.4	2.5	9.4	9.1	10.0	7.2	7.1	10.1	12.6	10.6	7.6	
074258 Deniliquin Airport AWS		20.6		26.6	28.3	28.6	16.8	15.5	16.5	16.4	18.7	24.9	23.0	29.2	17.5	17.0	17.7	19.7	19.0	22.2	19.0	21.3	17.3	16.2	19.8	22.3	23.6	16.7	18.8	21.0	25.4	18.3	22.1	
Victoria		Mean Anom	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
076031 Mildura Airport		22.5	+2.3	29.9	33.0	25.9	16.5	16.2	18.7	18.4	22.9	28.2	29.1	32.0	18.2	18.2	18.2	20.2	23.5	23.2	20.2	23.7	17.4	17.5	20.2	25.1	25.2	18.8	19.3	25.0	24.8	22.9	21.5	
078015 Nhill Aerodrome		18.3		26.3	30.9	12.9	14.2	15.1	16.2	15.7	20.6	26.2	22.2	20.0	13.0	15.8	13.1	14.2	19.5	25.6	15.5	19.9	13.6	14.4	16.9	18.9	17.4	14.9	17.5	22.5	22.2	18.3	16.1	
080023 Kerang		20.9	+2.3	27.5	30.5	26.3	16.9	15.3	17.1	16.4	20.1	26.7	24.6	29.7	17.1	17.2	16.8	17.6	20.2	24.5	19.3	22.2	16.8	16.2	20.6	23.4	23.1	16.5	19.0	22.1	26.0	17.8	18.3	
081123 Bendigo Airport		17.7		21.5	24.2	21.9	14.1	13.8	16.1	16.4	17.3	23.1	18.3																					

Daily and mean minimum temperatures for September 2021

Western Australia	Mean Anom	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
001019 Kalbaruru	20.7	19.0	19.4	19.9	21.8	22.8	22.7	23.0	23.7	18.5	22.1	18.4	20.0	20.7	20.1	20.3	22.1	25.6	22.9	21.4	21.8	22.2	23.8	21.0	10.9	13.9	18.8	20.5	20.5	21.9	21.9	
002056 Kununurra Aero	19.3	13.8	18.5	20.7	22.2	21.2	18.0	19.8	19.7	21.4	16.0	16.0	17.1	18.8	19.4	21.1	21.6	24.0	22.4	20.7	20.8	20.0	25.0	15.6	9.6	11.1	17.2	19.2	20.7	25.2	22.6	
003003 Broome Airport	19.2	+0.8	17.5	15.2	16.7	20.8	21.4	22.5	16.7	15.8	16.1	15.1	16.8	17.4	16.9	19.4	23.7	24.5	23.6	23.4	21.7	28.7	25.4	18.5	17.9	15.9	16.7	17.8	19.4	19.5	18.5	
003032 Derby Aero	19.0	16.6	16.1	17.4	17.9	20.7	21.4	20.3	19.1	16.2	15.6	15.9	14.7	16.5	18.3	19.8	20.2	21.5	21.3	21.0	25.7	29.0	21.3	19.1	15.4	14.4	16.8	17.8	19.9	19.8	20.2	
004032 Port Hedland Airport	16.7	+1.4	17.5	15.3	17.7	19.0	13.0	21.1	18.5	14.2	14.7	13.9	15.3	16.9	14.3	14.4	15.5	17.9	14.6	15.9	16.9	17.0	23.3	26.4	22.2	14.8	14.5	15.7	15.7	15.9	14.8	14.3
004083 Karratha Aero	17.6	14.9	19.0	15.8	18.1	16.9	17.9	16.9	13.2	13.5	15.9	18.4	17.6	15.2	15.3	18.2	16.2	16.7	15.3	16.9	17.7	24.5	27.2	24.2	16.4	19.6	15.9	18.2	17.4	17.0	18.4	
004106 Marble Bar	16.8	14.4	17.2	17.8	18.0	15.9	18.8	14.5	15.6	12.3	14.6	16.9	17.3	18.7	14.3	16.5	18.9	16.6	18.2	14.0	16.2	22.2	22.4	18.9	14.2	14.6	16.3	18.4	19.3	15.7	14.4	
005007 Learmonth Airport	13.0	12.8	16.9	14.3	9.4	9.2	9.4	12.9	9.6	8.6	12.6	15.2	11.0	12.1	10.4	12.7	11.0	11.8	12.0	11.1	14.6	14.6	17.1	19.8	16.0	17.0	14.2	12.7	12.8	14.4	15.2	
006011 Carnarvon Airport	12.9	-0.9	17.1	15.5	11.4	10.0	8.9	9.3	10.3	9.3	9.0	14.9	13.7	11.7	10.8	9.2	15.5	17.2	9.9	10.2	14.5	13.9	12.5	11.5	14.8	19.0	18.9	18.0	12.0	11.6	15.6	
006044 Denham	16.8	18.0	16.0	13.0	14.0	16.0	19.0	16.0	16.0	16.0	17.0	16.0	15.0	16.0	16.0	17.0	17.0	15.0	16.0	15.0	17.0	19.0	19.0	19.0	18.0	18.0	18.0	17.0	17.0	20.0		
007176 Newman Aero	11.7	13.0	18.3	12.6	11.3	9.6	11.5	4.5	4.4	5.8	8.7	13.9	13.5	11.7	10.1	13.5	13.2	12.6	10.9	8.1	11.6	15.9	14.0	7.7	13.6	18.0	12.3	13.7	9.9	11.7	14.9	
007185 Paraburdoo Aero	14.4	12.9	17.5	14.3	14.2	13.4	13.4	14.8	12.5	9.4	10.1	13.0	13.5	15.2	12.0	11.5	13.9	13.1	17.2	13.6	16.9	19.3	20.3	17.2	15.9	19.2	16.5	15.1	11.4	11.2	14.3	
007045 Meekatharra Airport	11.5	+0.1	12.1	9.7	6.9	6.7	6.4	9.0	9.4	11.2	12.5	11.8	13.8	10.0	8.0	10.7	10.0	12.4	9.0	8.3	9.4	14.9	13.1	11.2	14.5	17.6	20.4	13.7	11.0	11.3	14.4	15.8
007600 Mount Magnet Aero	10.1	10.7	8.2	3.0	4.0	4.9	10.2	10.9	10.6	10.3	12.3	10.7	9.0	6.2	8.0	9.7	12.6	6.1	5.3	7.6	13.7	13.6	10.3	9.8	16.4	17.4	13.4	9.0	11.0	13.9	13.4	
008296 Morawa Airport	7.2	8.6	7.2	0.9	2.6	1.8	4.7	4.6	8.2	11.4	8.8	4.4	4.8	3.5	3.8	5.8	11.7	3.5	3.7	6.4	10.1	12.4	5.0	10.2	11.3	10.7	11.1	9.6	9.7	11.5	8.9	
008297 Dalwallinu	6.0	8.0	5.6	0.4	2.5	2.5	2.8	5.0	6.8	12.4	8.3	6.0	2.3	2.2	4.4	4.1	9.7	6.1	2.2	3.6	7.2	4.3	6.1	8.4	8.8	8.7	10.0	8.6	6.5	9.1	6.2	
008315 Geraldton Airport	9.0	10.6	12.6	6.0	3.1	4.4	5.9	7.6	10.7	13.2	10.0	9.1	5.8	3.5	8.3	14.5	9.0	5.6	6.2	9.9	12.5	10.0	6.1	9.0	7.8	13.4	11.9	8.7	12.0	12.9		
009021 Perth Airport	8.8	-0.3	14.0	8.7	4.4	3.4	4.3	8.6	9.5	10.5	11.9	7.1	9.0	5.3	4.0	6.3	5.5	11.5	4.7	5.4	10.4	10.1	12.1	8.7	5.0	11.8	10.9	10.6	9.8	11.6	14.4	13.3
009131 Jurien Bay	9.4	16.2	11.2	5.9	5.4	5.4	7.2	5.5	12.6	9.9	10.3	6.8	4.0	4.4	5.1	8.8	6.9	11.2	12.9	12.4	7.4	10.2	11.1	15.1	15.5	10.2	13.1					
009225 Perth Metro	9.2	15.6	9.2	4.7	3.7	4.8	5.7	9.1	11.6	11.7	7.5	9.9	4.8	4.8	7.3	7.1	11.7	6.3	7.2	11.8	10.2	12.7	8.1	7.0	11.0	11.0	11.1	10.4	11.6	15.1	13.2	
009240 Bickley	8.3	11.9	5.6	4.4	5.7	5.5	7.2	12.1	13.6	10.2	6.7	7.6	5.2	5.1	6.7	9.8	8.2	5.1	7.3	10.6	6.5	8.5	11.2	7.9	8.6	7.0	9.6	10.5	8.3	11.1	12.4	
009518 Cape Leeuwin	12.0	+0.4	12.7	8.1	9.2	10.5	10.7	10.8	15.0	15.0	11.3	11.9	11.1	9.7	10.8	11.2	12.9	11.3	10.2	12.3	13.0	11.9	11.4	13.0	14.2	12.9	11.5	13.4	13.3	11.5	12.8	15.4
009617 Bridgetown	5.6	12.8	3.4	3.9	1.6	3.2	0.7	3.6	7.8	9.6	4.8	6.1	2.7	1.6	3.8	3.5	7.6	4.3	6.3	7.6	1.5	3.6	2.7	8.5	2.3	5.9	8.1	10.4	9.0	10.8	9.2	
009746 Witchcliffe	7.8	12.5	6.4	6.7	6.9	4.2	4.4	10.0	12.8	10.4	5.8	8.1	3.2	5.3	3.7	7.9	10.0	5.5	10.8	9.3	4.8	3.8	4.9	8.3	8.2	6.3	9.6	12.8	8.2	10.2	11.9	
009789 Esperance	9.5	9.3	7.1	5.1	5.7	4.9	8.2	10.2	13.4	13.2	12.9	9.8	11.1	4.8	7.4	10.2	14.0	6.9	7.3	11.9	11.4	9.7	9.7	11.1	12.3	5.4	12.3	11.7	12.2	9.1	11.5	
009965 Bunbury	8.6	13.4	7.5	4.9	4.5	5.0	5.7	8.4	15.1	10.8	5.5	7.9	4.2	6.7	5.3	7.6	10.4	4.7	12.6	9.5	6.1	7.1	6.5	11.0	6.8	9.4	8.0	12.1	12.0	13.9	13.9	
009977 Mandurah	11.6	15.6	9.5	7.2	7.9	9.3	11.4	14.9	15.4	11.8	9.4	11.5	8.1	7.9	9.6	10.9	12.2	8.6	12.7	13.0	10.1	13.4	12.2	13.0	12.1	10.6	11.9	13.6	13.8	15.1	15.8	
009999 Albany Airport	8.3	13.5	4.7	5.5	4.2	5.9	4.9	5.0	10.7	10.5	5.8	9.5	7.7	6.1	5.3	8.0	9.2	5.6	8.1	11.0	10.0	6.9	4.9	10.0	10.3	8.0	12.1	12.5	10.3	10.7	11.4	
010007 Bencubbin	7.0	-0.2	5.9	-0.1	2.0	1.5	6.1	9.0	12.5	11.0	10.0	5.5	3.5	1.5	4.0	7.5	10.5	3.0	3.0	5.0	8.0	6.5	10.0	7.5	10.9	11.0	11.5	7.5	11.0	10.3		
010092 Merredin	6.4	-0.2	7.5	5.0	0.1	0.0	4.0	7.0	6.5	7.0	10.5	9.5	2.5	4.1	1.9	4.5	7.0	11.0	1.6	4.6	7.1	8.5	9.5	5.4	9.1	10.5	12.9	7.3	9.1	10.6	7.4	
010286 Cunderdin Airfield	4.6	9.0	5.0	-1.0	-0.6	-0.1	1.4	4.0	5.8	9.6	6.0	4.1	1.0	-0.5	0.2	1.1	9.6	1.2	1.5	5.1	6.5	2.9	2.7	1.9	8.8	9.4	9.8	9.1	8.1	10.0	6.5	
010633 Ravensthorpe	8.3	-1.0	10.6	5.0	2.5	3.1	5.4	7.5	12.0	13.5	12.5	9.0	8.1	7.0	4.2	4.0	10.5	11.5	6.8	10.4	9.5	5.0	13.0	12.0	9.5	5.5	7.0	10.5	9.0	7.5	9.5	
010911 Lake Grace	6.1	9.7	4.9	0.7	1.0	2.5	4.9	3.6	8.3	12.5	7.0	5.9	2.9	3.0	3.7	4.2	9.4	2.7	3.3	8.1	5.9	6.7	3.7	8.8	6.1	7.2	9.5	8.7	8.6	9.7	8.9	
010916 Katanning	6.0	11.6	4.0	2.7	2.7	1.7	3.9	6.3	8.6	9.4	6.2	6.5	1.6	4.4	2.5	5.1	8.0	3.1	6.3	8.0	3.5	3.8	4.9	10.8	5.4	3.7	7.9	10.2	9.0	8.7	9.0	
010917 Wandering	4.7	12.8	4.4	0.3	1.8	0.7	1.3	2.3	5.4	10.0	7.1	5.9	2.0	0.0	0.7	2.5	8.7	1.4	2.0	8.0	3.6	1.7	1.1	4.3	7.8	6.5	4.1	4.7	10.1	10.5	8.8	
011003 Eucla	9.7	+0.6	10.1	12.1	6.8	3.5	2.7	3.6	8.3	11.2	13.8	13.4	11.7	9.9	10.4	9.9	12.9	10.6	4.6	6.6	12.1	11.0	5.6	7.5	12.8	11.2	11.6	16.6	9.0	12.2	7.3	
011052 Forrest	7.5	9.1	13.1	4.2	1.1	1.3	2.1	3.8	6.5	11.1	11.4	10.4	4.5	9.0	5.5	5.1	11.9	10.1	3.7	6.0	9.2	6.9	4.8	6.2	12.9	5.7	11.8	14.8	9.2	7.7	6.2	
012038 Kalgoorlie-Boulder Airport	8.1	+0.2	10.3	6.8	-0.4	2.9	3.6	6.9	9.5	10.0	12.0	11.6	6.7	3.5	5.7	6.8	10.8	11.5	5.1	3.2	6.5	8.9	7.5	9.7	7.9	11.3	10.6	11.9	10			

Daily and mean minimum temperatures for September 2021

	Mean Anom	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
New South Wales																																
048027 Cobar MO	9.0	+0.2	10.5	13.2	17.1	14.4	6.4	3.8	4.3	6.5	6.3	10.9	11.2	13.1	6.3	3.1	5.5	6.9	10.5	15.5	6.6	8.1	5.2	2.3	5.7	10.3	11.2	4.7	8.9	15.0	16.0	10.4
048245 Bourke Airport AWS	9.0	5.0	14.1	16.9	15.5	8.2	2.8	4.6	4.8	5.1	5.3	8.6	9.7	10.4	4.8	6.9	6.1	9.1	19.2	5.1	4.2	9.0	2.8	5.4	6.9	11.7	10.0	9.7	16.5	17.7	14.3	
049000 Ivanhoe Aerodrome AWS	8.0	10.3	11.9	18.5	10.1	6.2	6.5	4.3	5.0	6.3	9.5	12.8	9.1	6.9	2.1	4.4	7.1	9.5	12.2	4.6	8.6	3.8	4.5	6.9	10.0	5.7	3.3	6.2	9.5	14.8	9.8	
050052 Condobolin Ag Research Stn	4.9	-0.6	2.8	5.6	15.8	14.4	6.8	3.3	0.1	0.2	0.6	4.3	6.6	5.5	5.3	1.4	-0.5	-0.5	3.8	15.6	0.8	4.0	2.9	1.0	5.0	4.5	-1.1	1.4	9.3	15.4	10.7	
052088 Walgett Airport AWS	6.7	3.8	8.4	11.8	12.6	10.1	3.0	0.4	0.4	2.9	4.9	11.9	6.1	1.4	-0.4	1.0	6.2	14.6	11.5	4.3	6.6	1.4	3.0	7.7	5.6	5.5	9.2	13.0	14.3	12.7		
053115 Moree Aero	8.0	10.7	12.8	10.0	11.5	10.3	3.0	3.5	3.7	6.5	6.1	7.0	12.8	11.3	2.0	3.9	4.8	6.4	13.3	8.5	8.7	6.5	1.5	3.7	6.7	7.2	7.5	9.5	13.4	13.9	13.5	
054038 Narrabri Airport AWS	6.4	7.3	8.1	10.3	12.5	9.9	1.4	3.1	2.4	3.9	3.9	4.9	13.6	6.2	0.5	3.2	4.0	3.4	12.0	7.2	4.3	6.0	0.6	1.9	4.1	6.1	8.5	6.2	11.1	15.2	11.6	
055325 Tamworth Airport AWS	4.1	2.8	10.5	4.9	5.5	9.2	1.9	-0.8	0.4	2.0	2.0	3.4	4.7	5.1	2.6	1.4	2.0	3.5	7.5	5.0	2.6	3.6	-2.6	-0.1	2.6	3.1	3.7	8.9	7.6	10.1	8.6	
056242 Inverell (Raglan St)	3.7	5.7	8.9	4.6	5.6	12.2	0.2	-1.4	-1.2	0.4	0.8	0.8	4.1	9.3	-1.2	0.2	0.4	1.2	5.1	5.7	1.2	6.9	0.8	0.0	0.7	1.6	3.6	9.6	5.4	9.7	9.8	
057095 Tabulam (Muirie)	10.3	12.8	14.4	10.4	10.3	12.5	5.6	7.6	7.8	9.4	10.8	10.3	12.6	13.8	8.2	6.4	8.6	9.4	10.5	13.4	12.1	13.3	5.3	8.9	9.2	12.4	12.6	9.1	9.1	10.1	11.4	
058012 Yamba Pilot Station	13.5	+0.8	15.3	18.5	14.3	15.6	15.7	9.0	9.6	9.2	12.6	12.5	10.9	15.5	17.7	12.4	9.3	10.3	11.7	13.6	18.4	14.2	17.3	9.2	10.6	12.5	13.5	16.4	13.2	14.5	15.3	15.3
Victoria																																
060139 Port Macquarie Airport AWS (Comparison)	8.9	6.7	17.0	9.2	11.0	16.6	2.8	6.4	5.6	5.3	4.9	5.0	5.6	11.4	11.4	10.7	10.8	7.1	9.2	10.0	5.3	12.5	9.1	5.6	6.5	5.2	13.0	9.2	7.2	12.0	14.4	
061078 Williamstown RAAF	9.3	+0.3	5.7	10.4	9.3	10.5	12.6	8.6	5.4	7.5	7.5	12.9	11.0	8.3	13.8	10.1	9.0	9.8	5.3	13.9	10.2	5.8	8.9	7.2	7.3	9.8	7.9	12.4	7.7	7.3	11.2	11.7
061363 Scone Airport AWS	5.3	2.2	4.1	6.2	8.3	10.2	5.7	1.0	1.7	2.5	4.4	1.8	10.1	9.3	8.1	2.1	5.5	3.6	9.1	4.1	2.8	5.6	-0.1	2.1	4.7	7.1	11.1	1.7	4.1	11.8	8.5	
062101 Mudgee Airport AWS	3.6	0.2	4.9	9.8	7.6	7.7	4.7	-1.3	0.4	0.0	1.3	0.6	3.7	3.6	6.1	-0.1	0.9	1.4	8.0	0.9	0.1	4.5	-0.4	0.7	2.4	3.6	5.3	6.7	8.2	10.5	6.3	
063005 Bathurst Agricultural Station	2.7	-0.3	-0.5	2.2	6.5	7.5	5.5	4.0	-2.2	1.1	2.5	3.0	-0.5	6.7	2.3	4.5	-1.5	1.0	8.0	0.0	0.3	1.7	-1.5	-0.7	3.0	5.5	1.5	2.8	3.5	8.0	5.7	
063254 Orange Agricultural Institute	3.3	6.8	11.0																													
064008 Coonabarabran (Showgrounds)	3.8	-0.5	-0.4	2.5	9.5	13.6	8.2	5.4	-0.5	1.5	0.0	0.5	1.3	5.2	4.9	2.3	-1.3	-0.5	1.0	11.3	6.3	0.9	4.5	-0.5	1.5	1.5	2.6	2.7	3.4	8.5	11.4	8.0
065070 Dubbo Airport AWS	5.1	3.4	7.9	10.7	11.6	7.2	1.9	0.0	0.8	0.4	2.4	4.2	7.9	6.4	4.6	1.7	3.9	5.7	12.0	1.2	1.8	4.0	-0.3	1.5	4.1	4.8	3.8	8.2	9.7	12.3	9.2	
066214 Walgett (Observatory Hill)	11.6	10.5	13.5	14.0	15.4	13.2	9.4	7.2	9.6	9.7	14.9	11.4	15.4	12.1	9.7	8.8	8.6	9.5	15.7	10.6	14.2	9.9	8.1	10.0	11.7	13.6	10.9	9.7	10.6	14.1	14.5	
067105 Richmond RAAF	6.6	3.3	8.4	8.9	9.9	12.6	2.7	-0.2	4.5	2.4	10.9	5.2	7.0	10.0	8.7	4.3	3.6	4.3	12.7	6.9	6.0	5.7	3.5	3.8	5.3	7.5	9.6	4.5	5.0	10.2	9.6	
068072 Nowra RAN Air Station AWS	8.4	10.0	7.8	9.1	10.5	11.4	8.1	3.3	8.1	11.2	15.9	9.5	10.9	6.4	7.4	7.6	5.4	4.8	10.1	5.9	4.1	5.3	5.3	7.5	13.5	9.8	8.3	5.9	7.1	10.9	12.1	
068151 Jervis Bay (Point Perpendicular)	12.1	13.6	12.5	15.2	15.3	12.3	9.7	7.6	9.6	12.0	14.9	13.8	16.7	10.8	9.6	10.8	8.9	14.3	10.8	13.4	9.4	10.2	11.8	14.8	12.8	10.6	10.0	11.8	15.3	14.9		
068241 Albion Park (Shellharbour Airport)	8.7	6.3	7.4	10.7	11.8	13.2	8.7	3.8	5.3	5.1	14.3	6.1	8.3	7.7	9.5	10.4	7.9	5.0	11.2	4.2	5.6	6.7	7.9	7.1	17.0	7.4	10.5	7.6	10.4	10.6	13.4	
069018 Moruya Heads Pilot Station	9.3	+0.9	5.6	7.6	11.5	15.4	12.0	6.9	4.0	7.0	8.9	14.5	9.1	17.8	7.5	6.8	5.2	8.0	6.4	13.6	7.4	12.1	5.2	5.1	7.6	14.5	12.6	7.5	8.2	8.8	8.7	14.9
070351 Canberra Airport	3.6	3.0	0.0	4.8	7.5	6.1	2.4	-3.0	0.4	-0.4	9.1	2.6	10.2	-1.0	0.7	-2.9	4.3	4.7	11.3	4.3	7.7	-2.0	-2.3	2.6	6.3	5.9	3.6	0.2	2.6	8.9	10.4	
071041 Thredbo Village	0.4	-2.0	-1.0																													
072150 Wagga Wagga AMD	5.0	+0.1	7.5	6.2	15.4	13.7	6.5	4.2	2.0	0.6	1.3	5.1	7.0	6.9	2.9	0.3	0.0	0.9	1.9	11.9	0.7	6.7	2.6	-0.4	2.5	3.7	3.0	1.1	4.7	13.8	12.5	
072160 Albury Airport AWS	6.0	4.3	3.9	13.4	13.1	7.8	7.4	2.6	3.4	3.5	7.8	4.2	11.5	5.3	2.3	2.4	3.5	2.3	11.4	3.5	9.6	2.1	4.0	5.1	5.3	4.0	2.5	5.6	13.1	12.7		
072161 Cabramurra SMHEA AWS	1.9	4.1	8.5	8.3	7.0	-0.1	-2.1	-0.9	0.9	2.2	4.5	5.7	3.7	-1.9	-2.3	-0.2	0.5	1.7	4.7	0.5	1.5	-4.3	-2.0	2.2	5.1	-0.5	-2.5	-1.9	3.6	6.3	4.7	
074258 Deniliquin Airport AWS	5.6	4.0	6.5	16.7	8.2	6.2	4.7	3.3	1.6	7.6	6.0	11.8	10.5	1.1	-0.8	-0.1	0.9	5.4	8.8	3.8	9.7	1.2	3.2	3.6	1.1	-1.1	-1.0	3.5	6.8	13.7	12.8	
Tasmania																																
091126 Devonport Airport	6.0	5.8	7.4																													
091293 Low Head	8.3	10.9	8.1	12.7	8.8	5.9	8.5	10.7	10.0	12.0	9.3	10.6	6.3	1.3	4.1	5.3	5.8	3.3	9.8	7.4	1.5	9.8	11.4	9.1	-0.2	0.4	4.7	6.8	8.0	9.0		
091311 Launceston Airport	4.1	4.2	4.3	8.8	6.4	2.8	4.5	6.3	3.3	10.0	1.8	6.7	2.5	0.9	-0.2	6.1	4.2	0.5	8.6	4.2	5.3	2.3	2.1	8.2	7.8	-1.9	-2.9	-0.3	3.4	5.9	6.4	
092045 Iarapuna (Eddystone Point)	8.1	0.0	9.3	9.3	13.4	9.8	8.4	5.9	10.5	6.5	11.9	6.3	9.2	7.0	7.9	6.5	8.1	8.9	7.0	9.4	7.7	7.8	3.4	8.7	11.2	9.8	2.6	3.6	5.5	7.3	8.1	
093053 Ross (The Boulevards)	6.2	8.7	3.8	1.1	3.9	8.2	0.5																									
094023 Hobart (Eilerslie Road)	6.9	+0.2	9.2	9.9	15.3	5.1	5.3	7.6	9.4	7.8	11.9	5.7	6.9	6.1	5.5	2.1	6.4	3.1	5.0	7.5	5.8	5.8	5.6	9.1	11.8	7.3	2.4	1.8	3.4	6.4	8.8	
094220 Grove (Research Station)	4.4	5.4	11.9	13.4	0.7	4.4	5.0	7.2	5.5	11.5	4.7	4.3	1.8	2.5	-2.0	3.1	-1.8	0.0	5.8	3.3	4.9	4.0	3.9	11.5	6.2	0.9	-2.2	-0.7	3.1	6.8	6.5	
095003 Bushy Park (Bushy Park Estates)	4.0	-0.2	4.3	1.5	9.9	1.0	4.8	4.6	8.7	3.5	8.7	4.6	3.8	3.4	1.2	-0.3	5.3	-1.0	4.8	4.6	4.2	4.8	2.7	7.6	9.0	5.4	1.1	-1.4	-0.7	2.0	5.5	
096003 Butlers Gorge	1.1	+0.1	2.5	5.1	8.7	-2.0	-0.5	2.0	3.2	3.4	7.1	1.0	0.2	0.4	-0.1	-1.2	0.6	-3.9	-1.6	4.2	1.3	0.8	0.3	1.6	6.4	2.9	-1.9	-3.5	-3.3	-3.1	-1.8	
096033 Li																																

Daily and total rainfall for September 2021

New South Wales		Total	Avg	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
048027 Cobar MO		22.8	23	-	-	-	3.2	5.0	-	-	-	-	-	-	-	-	-	-	-	-	1.2	3.6	-	-	-	-	-	-	-	-	-	5.2	4.6		
048245 Bourke Airport AWS		60.8	-	-	-	-	0.4	10.4	0.2	-	-	-	-	-	-	-	-	-	-	-	0.4	0.8	-	-	-	-	-	-	-	-	-	-	4.8	43.8	
049000 Ivanhoe Aerodrome AWS		33.8	-	-	-	-	19.6	-	0.2	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-	-	-	-	5.6	6.6	
050052 Condobolin Ag Research Stn		33.8	30	-	-	-	1.6	11.2	0.2	-	-	-	-	-	-	3.2	-	-	-	-	0.6	-	0.5	-	-	-	-	-	-	-	-	-	2.0	14.5	
052088 Walgett Airport AWS		77.0	-	-	-	-	12.6	0.2	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-	-	-	-	-	-	-	-	-	-	-	2.0	60.0	
053115 Moree Aero		78.2	-	-	-	-	17.2	1.0	-	-	-	-	-	-	-	-	-	-	-	-	0.6	-	-	-	-	-	-	-	-	-	-	-	0.6	58.8	
054038 Narrabri Airport AWS		43.0	-	-	-	-	15.0	-	0.2	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	26.6	
055325 Tamworth Airport AWS		36.8	-	-	-	0.4	11.4	0.2	-	-	-	-	-	-	-	1.4	1.0	-	-	-	4.6	-	-	-	-	-	-	-	-	-	-	-	-	17.8	
056242 Inverell (Raglan St)		45.9	-	-	-	-	2.6	5.4	-	-	-	-	-	-	-	-	0.8	-	-	-	0.4	-	-	-	-	-	-	-	-	-	-	1.1	4.4	31.2	
057095 Tabulam (Muirne)		37.0	-	-	1.4	1.0	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2	-	-	-	-	-	-	-	9.8	1.4	-	19.0	
058012 Yamba Pilot Station		35.2	56	-	-	1.2	3.8	3.2	4.4	-	-	-	-	-	-	-	-	0.8	-	-	-	-	2.0	1.0	-	-	-	-	-	-	1.8	2.6	0.2	-	14.2
060139 Port Macquarie Airport AWS (Comparison)		15.6	-	-	-	-	-	-	0.8	-	-	-	-	-	-	-	3.2	0.2	-	-	-	-	-	2.0	-	-	-	-	-	-	2.2	1.4	-	-	5.8
061078 Williamtown RAAF		85.2	58	-	-	-	4.4	-	-	-	-	-	-	-	-	39.8	17.0	2.0	0.2	-	-	-	-	12.6	0.2	-	-	-	-	3.6	2.2	-	-	3.2	
061363 Scone Airport AWS		50.8	-	-	-	1.0	11.2	-	-	-	-	-	-	-	-	18.0	0.2	-	-	-	5.0	0.2	-	-	-	-	-	-	-	-	-	-	1.4	13.8	
062101 Mudgee Airport AWS		47.4	-	-	-	-	21.2	-	0.2	-	-	-	-	-	-	2.4	0.2	-	-	-	2.8	-	-	-	-	-	-	-	-	-	-	-	0.6	20.0	
063005 Bathurst Agricultural Station		49.0	49	-	-	-	0.2	19.2	1.0	-	-	-	-	-	-	5.6	-	-	-	-	1.6	5.6	0.8	0.6	-	-	-	-	-	-	-	-	3.6	10.8	
063254 Orange Agricultural Institute		70.0	80	-	-	» 1.4	»	» 39.0	-	-	-	-	-	-	» 0.4	1.8	-	-	-	-	»	» 11.4	2.0	-	-	-	-	-	-	-	-	-	-	14.0	
064008 Coonabarabran (Showgrounds)		72.9	52	-	-	-	19.8	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6	-	-	-	-	-	-	-	-	-	0.6	0.4	48.5		
065070 Dubbo Airport AWS		36.8	-	-	-	-	17.0	0.2	-	-	-	-	-	-	-	-	-	-	-	-	1.6	0.2	-	-	-	-	-	-	-	-	-	-	-	17.8	
066214 Sydney (Observatory Hill)		47.8	-	-	-	-	11.6	0.8	0.2	-	-	-	-	-	-	18.4	4.8	0.4	0.2	-	2.4	-	-	3.2	-	-	-	-	-	3.0	0.4	-	-	2.4	
067105 Richmond RAAF		13.6	-	-	-	-	4.2	-	-	-	-	-	-	-	-	5.4	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-	-	-	1.8	
068072 Nowra RAN Air Station AWS		45.8	-	-	-	-	19.4	4.8	-	-	-	-	-	-	-	10.2	0.8	-	0.2	0.2	0.6	-	-	-	-	-	0.4	-	-	-	-	-	0.2	9.0	
068151 Jervis Bay (Point Perpendicular)		50.6	-	-	-	-	26.6	2.6	-	-	-	-	-	-	2.0	9.2	2.6	0.4	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	7.0	
068241 Albion Park (Shellharbour Airport)		32.8	-	-	-	-	9.2	1.2	-	-	-	-	-	-	-	17.6	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	4.6	
069018 Moruya Heads Pilot Station		35.3	63	-	-	-	0.4	18.7	4.8	-	-	-	2.0	-	-	0.6	-	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.0	
070351 Canberra Airport		112.2	-	-	-	-	5.0	39.4	5.0	-	-	-	-	-	-	0.6	9.4	-	-	-	9.6	2.8	-	2.2	-	-	-	-	-	0.4	-	-	-	37.8	
071041 Thredbo Village		282.6	-	-	» 10.0	-	» 53.4	31.0	31.0	-	-	-	-	-	-	8.7	1.0	-	-	-	41.2	0.5	25.0	»	» 17.2	-	2.0	-	-	-	-	-	-	10.0	
072150 Wagga Wagga AMD		45.6	50	-	-	-	13.2	8.8	-	-	-	-	-	-	-	2.2	0.8	-	-	-	4.8	-	0.8	-	-	-	-	-	-	-	-	-	-	9.2	5.8
072160 Albury Airport AWS		92.4	-	-	-	-	38.0	6.8	0.2	-	-	-	-	-	-	1.4	-	-	-	-	10.6	-	0.4	4.6	-	-	-	-	-	-	-	-	-	20.2	10.2
072161 Cabramurra SMHEA AWS		180.2	-	-	-	-	30.4	40.8	8.8	1.6	-	-	-	-	-	3.8	4.2	-	-	-	30.2	-	4.6	9.2	7.0	0.2	-	-	-	-	-	-	-	18.2	21.2
073054 Wyalong Post Office		71.2	39	-	-	-	4.0	21.6	0.2	-	-	-	-	-	-	0.2	1.8	-	-	-	5.6	2.2	0.6	-	-	-	-	-	-	-	-	-	-	30.4	4.6
074258 Deniliquin Airport AWS		38.8	-	-	-	-	20.4	0.2	-	-	0.2	-	-	-	-	0.4	-	0.2	-	-	1.2	-	0.6	0.2	-	-	-	-	-	-	-	-	-	12.2	3.2
Victoria		Total	Avg	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
076031 Mildura Airport		14.8	28	-	-	-	8.2	0.6	0.2	-	-	-	-	-	-	0.6	0.2	-	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-	3.4	1.4
077008 Birchip (Woodlands)		44.2	38	-	-	-	18.2	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	23.6
078015 Nhill Aerodrome		36.8	-	-	-	0.2	9.4	0.4	0.4	-	-	-	-	-	-	3.0	-	-	-	-	0.2	0.6	5.4	0.8	0.2	-	0.2	-	-	-	-	-	-	1.4	14.6
079082 Horsham		41.4	42	-	-	-	-	-	13.2	-	-	-	-	-	-	5.8	-	-	-	-	-	6.8	2.6	-	-	-	-	-	-	-	-	-	-	-	10.0
080023 Kerang		50.4	39	-	-	-	16.4	0.2	-	-	-	-	-	-	-	0.4	-	-	-	-	0.6	-	0.8	0.2	-	-	-	-	-	-	-	-	-	1.2	30.6
081123 Bendigo Airport		71.6	-	0.2	-	-	33.0	-	0.6	0.2	-	-	-	-	-	1.4	0.2	-	-	-	7.0	-	4.4	5.2	-	-	-	-	-	-	0.2	2.8	16.4		
082039 Rutherglen Research		61.2	58	-	-	-	35.0	3.2	-	-	-	0.2	-	-	-	0.2	0.2	-	-	-	7.8	-	0.2	0.6	-	-	-	-	-	-	-	-	-	7.2	6.6
083085 Mount Hotham		198.2	-	-	-	0.8	60.0	21.2	1.4	0.2	-	-	0.2	-	-	0.6	2.2	-	0.2	-	62.4	0.6	24.4	4.0	0.4	-	-	1.2	-	-	-	-	-	3.0	15.4
084016 Gabo Island Lighthouse		77.8	76	-	-	-	9.6	12.0	10.0	-	-	-	0.2	-	-	4.6	8.0	1.6	2.8	-	1.0	0.4	-	2.8	0.4	-	-	2.4	5.2	-	-	-	-	16.8	
084145 Orbost		131.0	-	-	-	-	25.0	63.0	3.8	-	-	-	-	-	-	1.2	4.4	2.6	0.2	-	0.2	-	0.6	0.8	6.2	0.8	0.2	-	-	2.0	-	-	-	0.4	19.6
085072 East Sale		75.6	53	-	-	-	24.6	11.2	4.6	-	-	-	-	-	-	0.4	0.4	2.2	-	-	2.4	-	4.8	1.8	0.8	0.2	-	2.0	3.8	-	-	-	-	16.4	
085096 Wilsons Promontory Lighthouse		134.4	100	-	-	-	0.2	24.0	8.0	1.2	0.2	0.6	-	1.4	-	11.4	8.6	-	-	-	14.4	7.6	19.0	8.2	0.4	-	-	15.2	0.4	-	-	-	-	-	13.6
087031 Laverton RAAF		60.8	48	-	-	-	32.4	4.2	0.4	-	-	-	-	-	-	8.8	1.8	-	-	-	0.2	0.4	0.2	7.4	0.4	0.2	-	0							