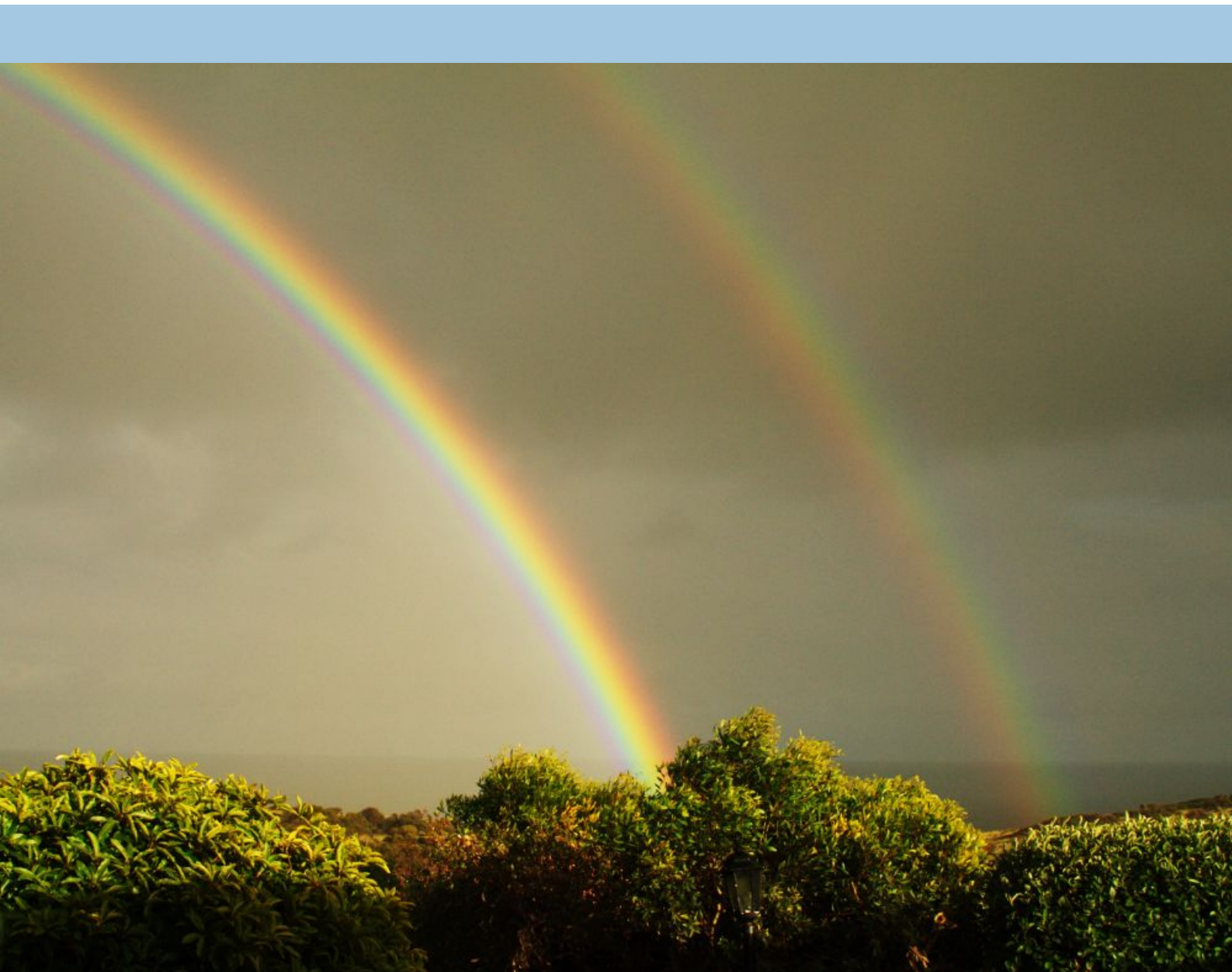




Australian Government
Bureau of Meteorology

Monthly Weather Review Australia November 2020



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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Product code IDCKGC14R1. Prepared on 27 January 2021

Cover photograph

Primary and secondary bows visible during a shower at Hallett Cove.

Photograph by Mark Anolak, 16 October 2009. Used with permission.

Overview

- Australia's mean temperature was the warmest on record for November.
- Both the national mean maximum and mean minimum temperature were the warmest on record for November for Australia as a whole.
- Temperatures during November were warmer than average for most of Australia, but cooler than average in south-west Western Australia.
- Rainfall was below average for Australia overall, despite above average rainfall in parts of north, and west Western Australia.
- Rainfall was well below average for south-eastern Queensland, north-eastern New South Wales, south and central Tasmania; for Tasmania it was the ninth-driest November on record.

Areal averages in November 2020

	Rainfall anomaly	Mean maximum temperature anomaly	Mean minimum temperature anomaly	Mean temperature anomaly
Australia	-42%	+2.89 °C highest	+2.09 °C highest	+2.49 °C highest
Western Australia	+34%	+1.79 °C 9th-highest	+1.38 °C 3rd-highest	+1.59 °C 4th-highest
Northern Territory	-55%	+3.16 °C highest	+2.92 °C highest	+3.04 °C highest
South Australia	-71%	+4.38 °C highest	+2.33 °C 4th-highest	+3.36 °C highest
Queensland	-65%	+2.85 °C 2nd-highest	+2.17 °C 2nd-highest	+2.51 °C 2nd-highest
New South Wales	-54%	+3.86 °C 5th-highest	+2.43 °C 6th-highest	+3.15 °C 5th-highest
Victoria	-33%	+3.85 °C 2nd-highest	+2.51 °C 5th-highest	+3.18 °C 2nd-highest
Tasmania	-50%	+2.52 °C 4th-highest	+1.32 °C 5th-highest	+1.92 °C 4th-highest

Extremes in November 2020

	Hottest day	Coldest night	Wettest day	Warmest overall	Coolest overall	Wettest overall	Strongest wind gust
Australia	48.0 °C at Andamooka (SA) on the 28th	-3.7 °C at Mount Hotham (Vic.) on the 6th	191.0 mm at Moruya (Plumwood) (NSW) on the 1st	34.3 °C at Fitzroy Crossing Aero (WA)	8.5 °C at Mount Read (Tas.)	365.0 mm at Bellenden Ker Top Stn (Qld)	157 km/h at Wilsons Promontory Lighthouse (Vic.) on the 29th
Western Australia	46.5 °C at Fitzroy Crossing Aero on the 13th	2.4 °C at Eyre on the 16th	103.5 mm at Theda on the 23rd	34.3 °C at Fitzroy Crossing Aero	14.6 °C at Shannon	210.5 mm at Theda	111 km/h at Yampi Sound (Defence) on the 19th
Northern Territory	45.3 °C at Jervois on the 28th and Walungurru Airport on the 28th	11.0 °C at Arltunga on the 8th	107.4 mm at Wandie Creek on the 15th	33.8 °C at Lajamanu Airport	29.5 °C at Pirlangimpi Airport	204.5 mm at Labelle Downs	115 km/h at Bradshaw on the 11th
South Australia	48.0 °C at Andamooka on the 28th	0.1 °C at Keith (Munkora) on the 1st	27.6 mm at Millicent on the 30th	29.7 °C at Moomba Airport	16.9 °C at Mount Lofty	50.4 mm at Mount Gambier Aero	124 km/h at Sellicks Hill (Mount Terrible Radar) on the 22nd
Queensland	47.1 °C at Birdsville Airport on the 30th	4.1 °C at Applethorpe on the 6th	160.0 mm at Bramwell on the 26th	32.8 °C at Camooweal Township	19.8 °C at Applethorpe	365.0 mm at Bellenden Ker Top Stn	115 km/h at Longreach Aero on the 12th
New South Wales	46.9 °C at Smithville AWS on the 28th	-3.6 °C at Perisher Valley AWS on the 8th	191.0 mm at Moruya (Plumwood) on the 1st	28.6 °C at Wanaaring (Borrora Downs AWS)	9.9 °C at Thredbo AWS	256.0 mm at Moruya (Plumwood)	146 km/h at Newcastle Nobbys Signal Station AWS on the 16th
Victoria	45.8 °C at Ouyen (Post Office) on the 28th	-3.7 °C at Mount Hotham on the 6th	63.2 mm at Moorabbin Airport on the 23rd	23.5 °C at Mildura Airport	10.9 °C at Falls Creek and Mount Buller	130.4 mm at Toolangi (Mount St Leonard DPI)	157 km/h at Wilsons Promontory Lighthouse on the 29th
Tasmania	34.8 °C at Scotts Peak Dam on the 11th	-3.4 °C at Liawenee on the 8th	56.2 mm at Lake Margaret Dam on the 17th	17.0 °C at Hobart (Eilerslie Road)	8.5 °C at Mount Read	184.8 mm at Lake Margaret Dam	139 km/h at Hogan Island on the 29th

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.

Heatwaves

A number of heatwaves affected eastern parts of Australia during November. A low- to severe-intensity heatwave affected much of north-west to south-east Queensland around the middle of the month. A significant heatwave came at the end of the month as hot air was drawn from arid central Australia into south-eastern Australia ahead of the passage of a cold front.

Large areas experienced daily maximum temperatures more than 10 degrees above average over a number of days. On the 29th many stations in New South Wales had their warmest November night on record, and Delta, about 60 km to the west of Bourke in the Upper Western District, reported a minimum temperature of 33.8 °C, the highest November minimum temperature ever recorded in New South Wales, and the national 4th highest on record for November.

Birdsville in south-west Queensland had a November record run of 4 days above 46 °C from the 27th to the 30th.

Victoria

Strong winds and dust

Damaging northerly winds affected much of western and central Victoria on the 15th and 16th; the strongest wind gusts of 120 km/h were recorded at Mount Buller and Mount Hotham on the 16th; Victoria's State Emergency Services received more than 1000 calls for help, mostly for fallen trees and building damage; many properties were left without electrical power.

Dry lightning started fires in different parts of the State on the 15th, particularly across the Mallee and Wimmera. Strong winds raised dust on the afternoon of the 15th and visibility was reduced to 3000 m at Mildura.

Thunderstorms, locally severe, affected parts of southern Victoria on the 22nd. The State Emergency Services received more than 300 calls for assistance on the 22nd, mostly for fallen trees, flooding and building damage.

Thunderstorms and strong winds in Melbourne

Strong winds associated with the passage of a cold front affected Greater Melbourne on the 15th and 16th. A dozen sites reported wind gusts in excess of 80 km/h (43 knots) and the strongest wind gust of 98 km/h (53 knots) was reported at Fawkner Beacon

on the 15th; Greensborough, Eltham, Diamond Creek, Ringwood and Lilydale were the most affected suburbs. Thunderstorms, locally severe, affected parts of Greater Melbourne on the 22nd; the State Emergency Services received more than 150 calls for assistance, mostly for flash flooding.

Queensland

Bushfires

A fire at Fraser Island (K'gari) Eurong had been burning since mid-October and was still burning at the start of November.

By the 13th, a large bushfire was burning to the north of Lake Bowarrady southwards towards Happy Valley. By the 17th, a bushfire continued to burn in the vicinity of Lake Bowarrady. Water bombing aircraft are being used to help extinguish the blaze. By the 22nd, the bushfire was burning to the north of Moon Point Road East and west of Northern Road and by the 27th, the bushfire was burning approximately five kilometres north of King Fisher Bay Resort.

On the morning of the 30th, a bushfire was burning with two fronts. One front was burning approximately four kilometres north-east of Kingfisher Bay Resort, and the second front was on the eastern side of the island, approximately two kilometres south of Cathedrals on Fraser. Weather conditions continued to exacerbate fire and smoke conditions. Smoke affected visibility and air quality on K'gari (Fraser Island) and adjacent mainland areas over the following days.

South Australia

Fire, dust, and severe thunderstorms

On the 10th and 11th, widespread thunderstorms. Multiple fires ignited on the southern Yorke Peninsula around Minlaton on the 10th. In the Adelaide beachside suburb of Largs North, a palm tree caught fire, creating a spectacular scene.

Across the state, more than 7,000 properties were without power, according to SA Power Networks, mostly due to storm activity. On the 15th, dry lightning started fires in some parts of south-east South Australia.

Northern Territory

Severe thunderstorms

On the 11th a multicell thunderstorm complex generated a wind gust of 115 km/h at Bradshaw in the south-west Top End.

Very heavy rainfall, including 91 mm in 1 hour, fell on the 15th at Wandie Creek in the central Top End. Rainfall of this intensity has an Annual Exceedance Period (AEP) of less than 1% (roughly equivalent to a 1-in-100 year event).

Also on the 15th a line of thunderstorms generated a wind gust of 94 km/h at Yulara, in the southern territory.

On the 16th a line of thunderstorms generated a wind gust of 93 km/h at Alice Springs Airport. A thunderstorm squall-line passed over Darwin Airport on the 26th, bringing down trees and generating a wind gust of 94 km/h.

On the 30th a pulse thunderstorm generated a 100 km/h wind gust at Alice Springs Airport.

Western Australia

Severe thunderstorms

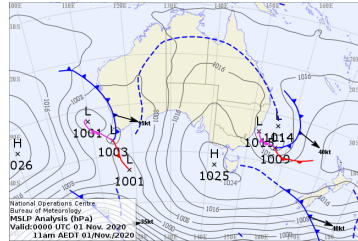
On the 1st and 2nd, a complex low pressure system off the west coast brought thunderstorms to the South West Land Division and the Goldfields. Leonora Airport recorded a wind gust of 100 km/h (54 knots), and Wiluna recorded a wind gust of 109 km/h (59 knots) on 1 November.

On the 14th, a thunderstorm produced a wind gust of 102 km/h (55 knots) at Argyle Airport in the Kimberley. A thunderstorm produced a wind gust of 111 km/h (60 knots) at Yampi Sound in the Kimberley on the 19th.

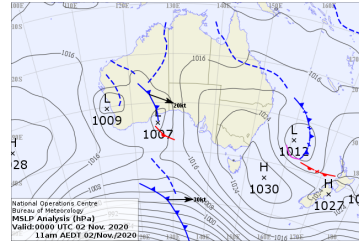
On the 27th, a wind gust of 104 km/h (56 knots) was recorded from thunderstorm activity at Gruyere Airport in the Northern Interior.

Synoptic analyses and summary

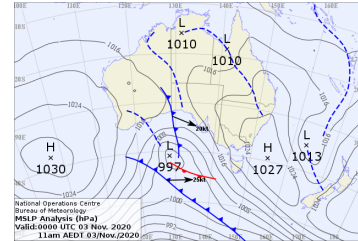
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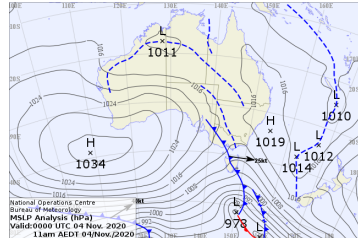
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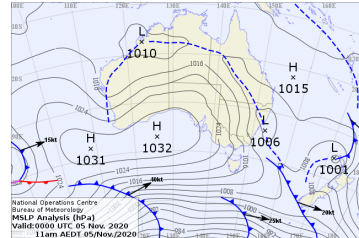
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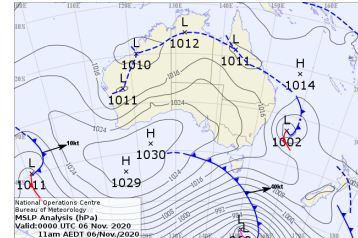
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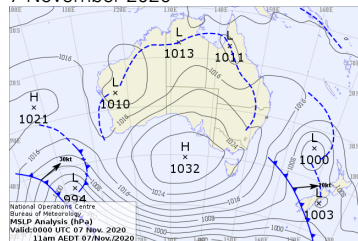
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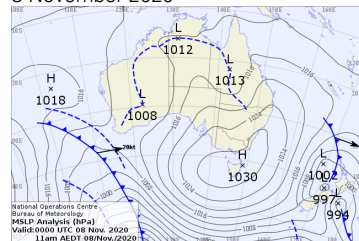
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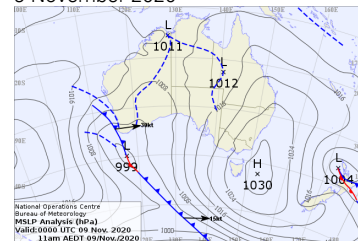
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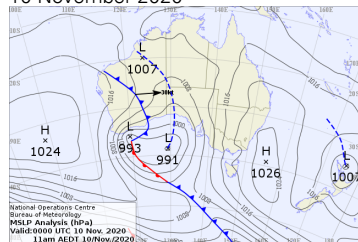
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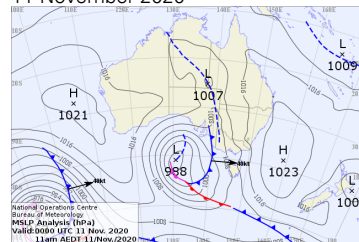
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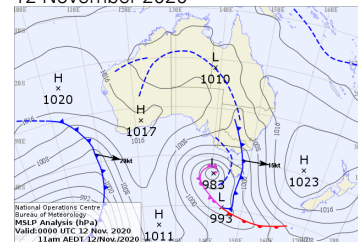
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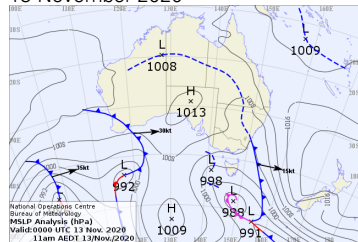
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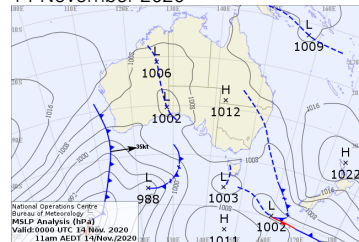
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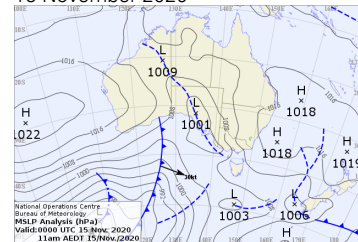
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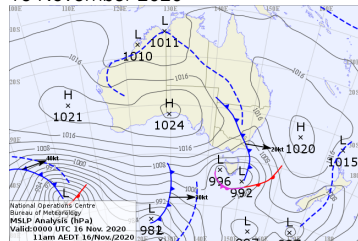
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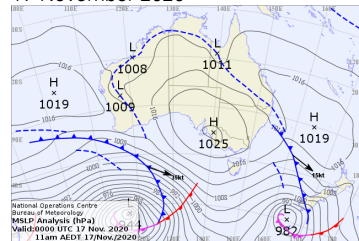
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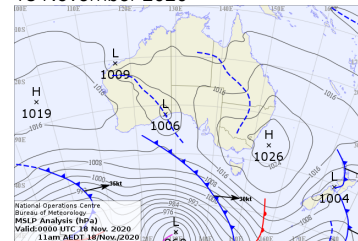
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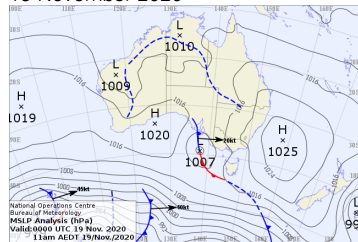
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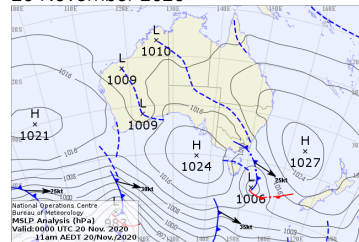
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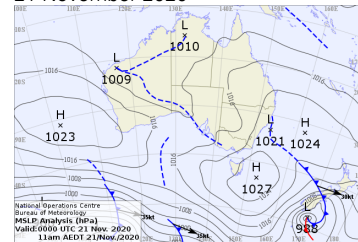
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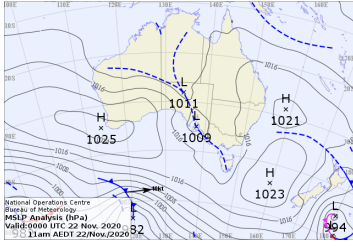
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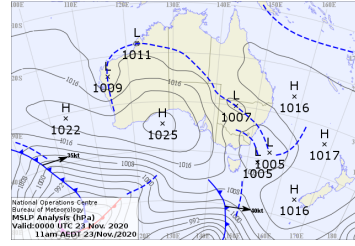
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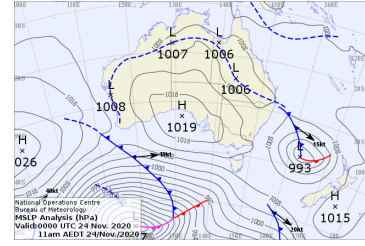
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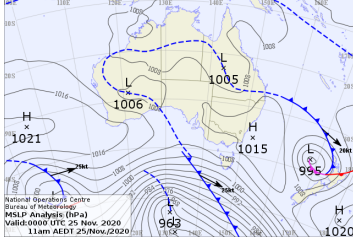
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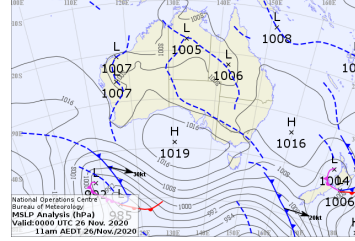
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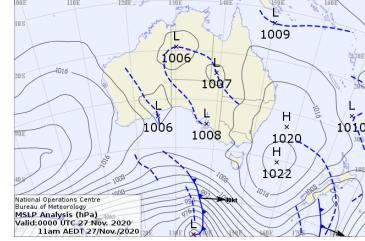
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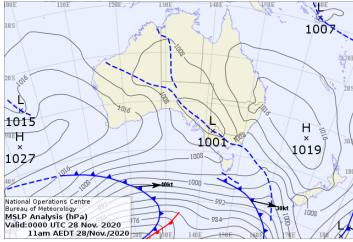
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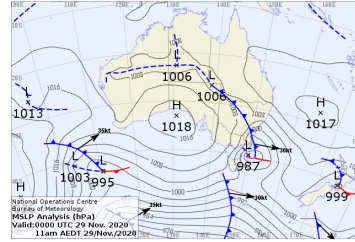
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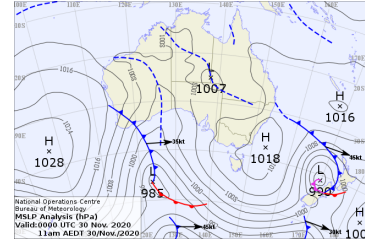
28 November 2020



29 November 2020



30 November 2020



Synoptic summary

In the first week of the month, a complex low pressure system and associated cold fronts moved across the Tasman Sea further away from the New South Wales coast, with a surface trough extending north along the Queensland coastline.

In the west, a low pressure system and associated cold front tracked across south-west Western Australia. The cold front in the west tracked across the Bight and then south-east Australia by the 5th. Low pressure systems developed to the east of New South Wales before moving away from the east coast.

Low pressure troughs then dominated much of the west, north and east of the continent, before another cold front tracked across south-west Western

Australia, and moved across the Southern Ocean before crossing south-east Australia around the 12th.

A pair of weak cold front tracked across far south-west Western Australia from the 13th to 15th, and a low pressure system and cold front tracked across Tasmania on the 16th.

Troughs and low pressure systems continued to dominate northern Australia, with troughs extending through the interior of Australia around the 21st. A pair of low pressure systems developed in western Victoria and to the east of Tasmania, along a surface trough extending into the Northern Territory, with an upper-level disturbance enhancing activity over Victoria from the 22nd.

Surface troughs dominated the continent for the remainder of the month.

Temperatures

The national mean temperature for November was the highest on record for Australia as a whole, at 2.49 °C warmer than average (previous record was 2.07 °C above the 1961–90 average in 2014).

All states had mean temperatures in the top five warmest on record, and the Northern Territory and South Australia had their warmest November on record. (3.04 °C above the 1961–90 average and 0.47 °C above the previous record set in 1990).

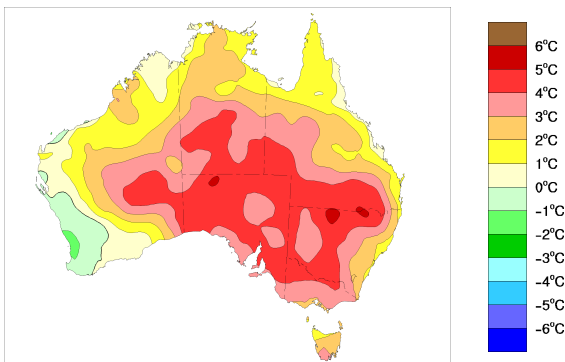
Both the national mean maximum and mean minimum temperature were the highest on record for November at 2.89 °C and 2.09 °C above average, respectively.

All states had both mean maximum and mean minimum temperatures amongst the top ten on record for November, and the Northern Territory had its warmest mean maximum and mean minimum temperature on record (3.16 °C and 2.92 °C above average, respectively).

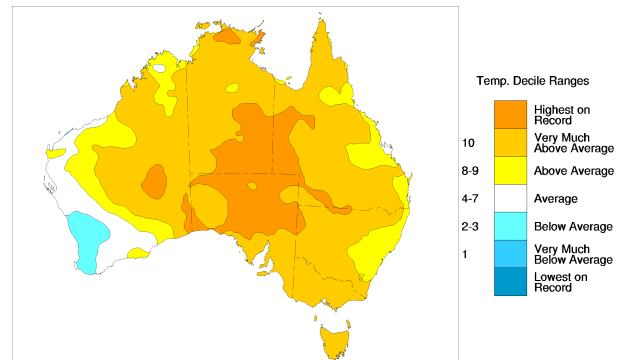
Maximum temperatures

Maximum temperatures for November were above or very much above average across the most of Australia, and warmest on record in a large area of the centre of the continent.

Anomalies of mean daily maximum temperature in November 2020



Decile rank of mean daily maximum temperature in November 2020



The mean maximum temperature for the month was cooler than average for the south-west parts of Western Australia.

At the beginning of the month, warm north-westerly air was drawn to south-eastern Western Australia, western and southern South Australia, Victoria and Tasmania, ahead of a trough and cold front. These areas experienced maximum temperatures more than 10 °C above average.

A cool change behind the cold front brought 4 °C to 8 °C cooler than usual maxima starting from the west of Western Australia progressing through southern and central Australia for much of the first week.

From the 9th, well above average maximum temperatures were reported over south-east Western Australia, southern South Australia, Victoria and Tasmania and expanded to south-west Queensland on the 11th, with some areas more than 10 °C warmer than usual. In contrast, maxima were much cooler than usual over much of the southern half of Western Australia.

Another period of hot weather commenced around the 14th in South Australia and south-eastern Australia. Large areas of South Australia reported maximum temperatures more than 12 °C above average on the 15th, with the heat spreading eastwards and affected Queensland, New South Wales and Victoria.

Warmer than usual maximum temperatures continued over various parts of southern Australia for nearly a week, with persistent heat in the south-east maintaining warmer than usual days. Towards the end of the month a prolonged severe heatwave with little relief started in southern South Australia from the 25th then progressed through south-eastern, central Australia and southern Queensland.

Large areas experienced daily maximum temperatures more than 10 °C above average over a number of days. Heatwave conditions were accompanied by gusty winds and elevated fire danger for South Australia and the eastern states. A large number of stations in southern and central Australia observed record high November daily maximum temperature on record on the 28th.

Andamooka in South Australia (48.0 °C), Smithville AWS in New South Wales (46.9 °C) and Quyen Post Office in Victoria (45.8 °C) all broke or equalled their state's record for highest November temperature respectively. Most notably 48.0 °C at Andamooka is the equal fourth-highest temperature in November in Australia, and the highest since 2006.

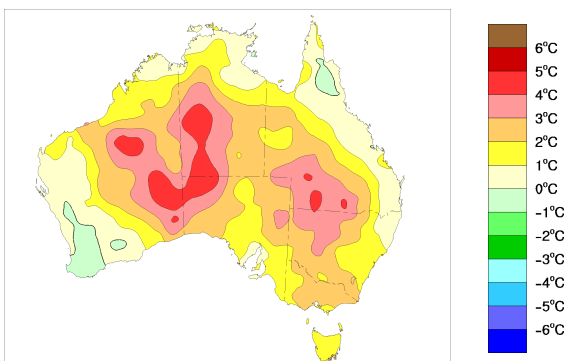
A number of November temperature records were also set in southern inland Queensland on the 30th. A number of locations in the Northern Territory, South Australia and Queensland had their warmest November on record. Tennant Creek Airport in the Northern Territory recorded 11 consecutive days of 40 °C between 20 and 30 November, a first in November in its 52 years of record.

Birdsville Airport in Queensland recorded 4 consecutive days above 46 °C between 27 and 30 November, a first in November since temperature recordings commenced at Birdsville in 1954.

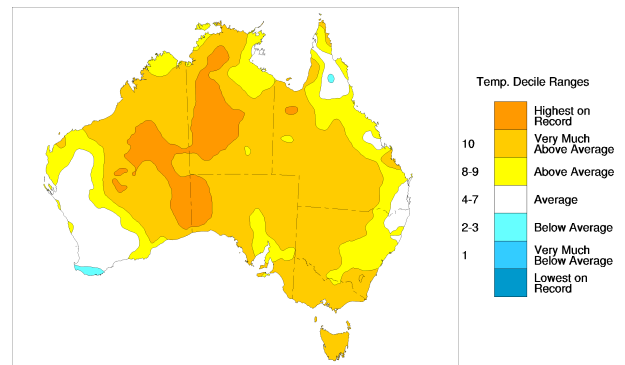
Minimum temperatures

The mean minimum temperature for the month was above or very much above average for most of Australia, although mean minimum temperatures were close to average for much of the west of Western Australia, and some pockets of east Queensland and north-east New South Wales, and the Cape York Peninsula.

Anomalies of mean daily minimum temperature in November 2020



Decile rank of mean daily minimum temperature in November 2020



Heatwaves affected parts of Australia several times during the month. At the start of the month, minimum temperatures were generally much cooler than usual over the eastern half of Australia, with above average minimum temperatures progressed from south-east Western Australia to South Australia and south-east Australia, due to warm north-westerly winds drawn south ahead of the passage of a cold front.

Cooler than usual minimum temperatures occurred over much of southern and eastern Australia as a large high pressure system moved into the Bight directing cool southerly winds over the area from the 5th to 8th.

From around the 9th, much warmer than usual minimum temperatures affected South Australia, then moved north and east through the Northern Territory, western Queensland, and much of New South Wales, Victoria and Tasmania until the 13th, as warm north to north-westerly air was drawn south ahead of the passage of a pre-frontal trough and cold front.

Minimum temperatures were well below average behind the cold front, with large parts of Western Australia reporting minima more than 6 °C below average from around the 10th to the 16th.

A low- to severe-intensity heatwave affected much of north-west to south-east Queensland around the middle of the month. Areas in northern South Australia and southern Northern Territory, western Queensland, parts of New South Wales and Victoria reported minimum temperatures more than 8 °C above average on the 15th or 16th.

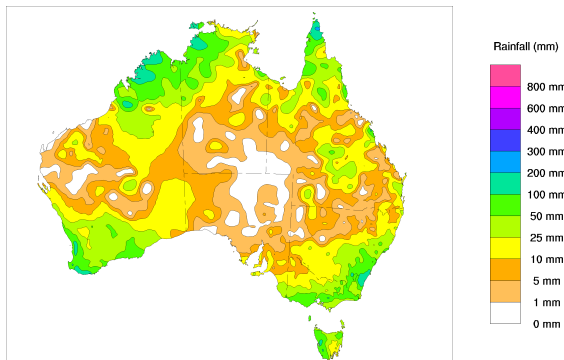
From the 19th warmer than usual minimum temperatures expanded from the south-east of Western Australia to most of the continent, and intensified in the south-west of Queensland and much of New South Wales with daily minimum temperatures more than 10 °C above average on the 28th and 29th.

A number of stations in New South Wales had their warmest November night on record on the 28th or 29th.

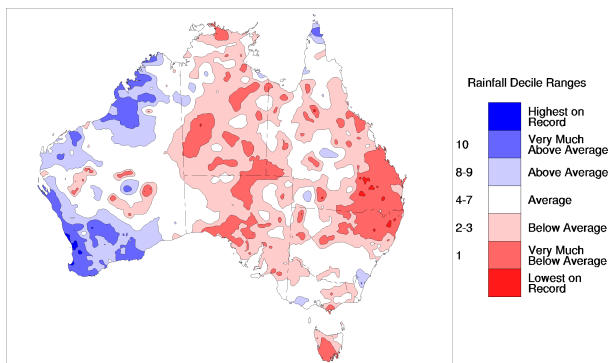
Rainfall

November rainfall was 42% below average for Australia as a whole.

Total rainfall in November 2020



Decile rank of total rainfall in November 2020



Rainfall was below average for much of the eastern two thirds of Australia, and very much below average for large parts of Tasmania, north-east New South Wales, and greater south-east Queensland.

Rainfall for the month was above or very much above average across large parts of Western Australia, including in the Kimberley, Pilbara, west Gascoyne and the South West Land Division.

At the start of the month, a complex low pressure system brought heavy falls to the south-east coast of New South Wales. Severe thunderstorms developed over south-east Queensland on the afternoon of 31 October, and produced moderate falls in the Wide Bay and Burnett, and the South East Coast districts in Queensland.

In the west, a cold front tracked over south-west Western Australia, generating moderate falls along the south-west coast of that state. As the front moved eastwards, further moderate falls were reported over much of the South West Land Division (SWLD) and South East Coastal District of Western Australia. The cold front tracked across south-east

Australia on the 4th, bringing moderate falls to eastern Victoria and south-east and central coasts of New South Wales.

Thunderstorms produced moderate falls over the Kimberley and north-west Top End, associated with surface troughs across northern Australia on the 7th. Thunderstorms also developed over central and inland Queensland along a surface trough extending from the Gulf Country to southern inland Queensland, and generated moderate falls between the 8th and 10th. In the west, another cold front tracked over south-west Western Australia and brought moderate falls to the south-west of that state.

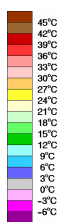
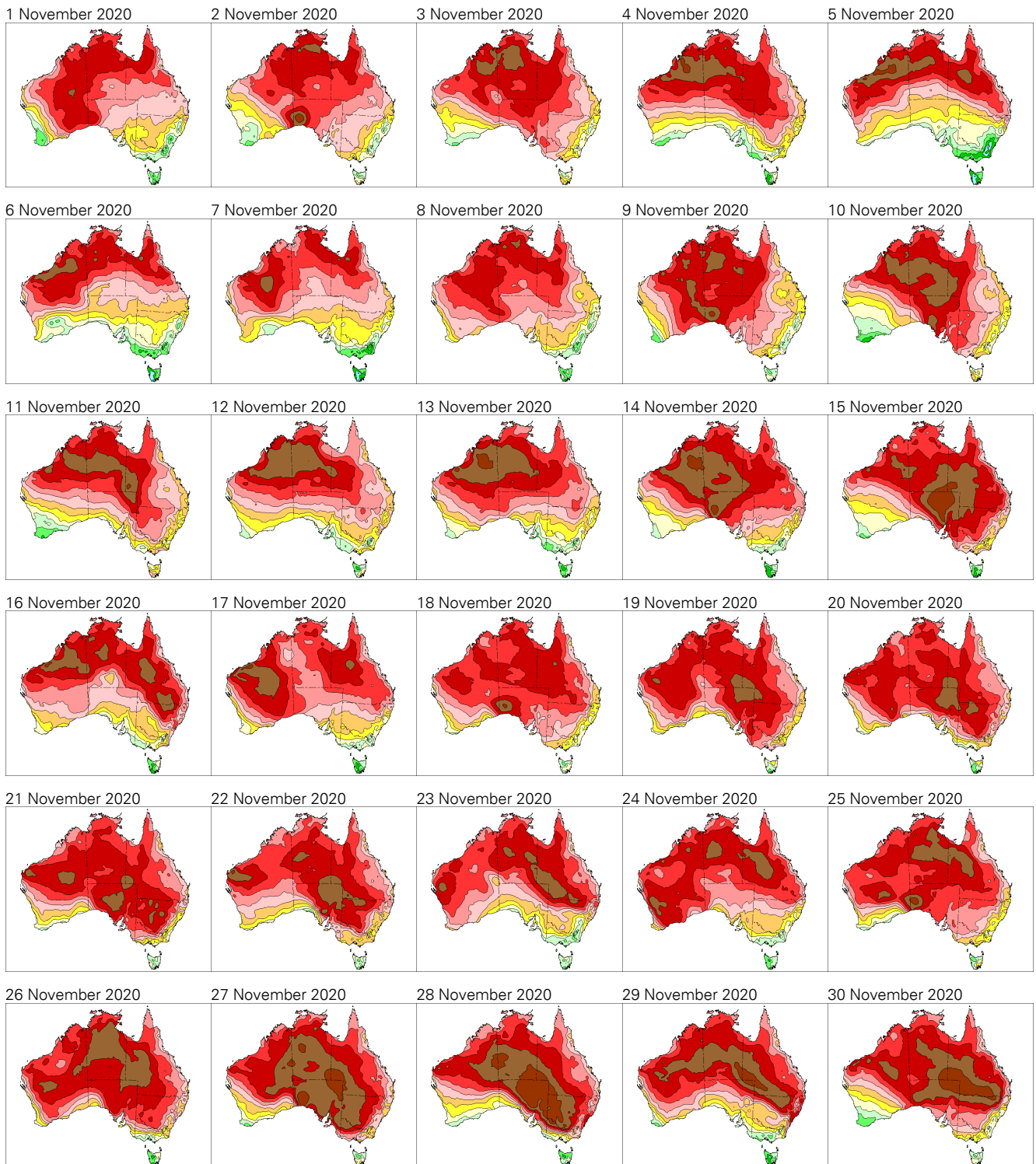
By the 12th, a cold front over south-east Australia and an associated pre-frontal trough extending north to the Gulf Country produced a cloudband with embedded thunderstorms. Light to moderate rainfall totals were recorded from north-west to south-west Queensland, western New South Wales, parts of Victoria and north-west Tasmania. As the cloudband moved eastwards, associated light to moderate falls were reported over eastern New South Wales, and in eastern Queensland away from the coast, as well as across parts of the Top End in the Northern Territory around the 14th.

Meanwhile, a cold front tracked over south-west Western Australia, and generated light to moderate falls over the SWLD over the two days ending the 15th. Thunderstorms and showers continued over the northern tropics, and isolated thunderstorms developed through the interior for several days, and continued over northern Australia for much of the remainder of the month.

In the south-east, a pair of low pressure systems developed over western Victoria and east of Tasmania on the 22nd, with troughs extending north to the Top End and the Gulf Country. The low pressure systems interacted with an upper-level disturbance, and produced widespread moderate falls across large parts of Victoria, and southern and south-east New South Wales.

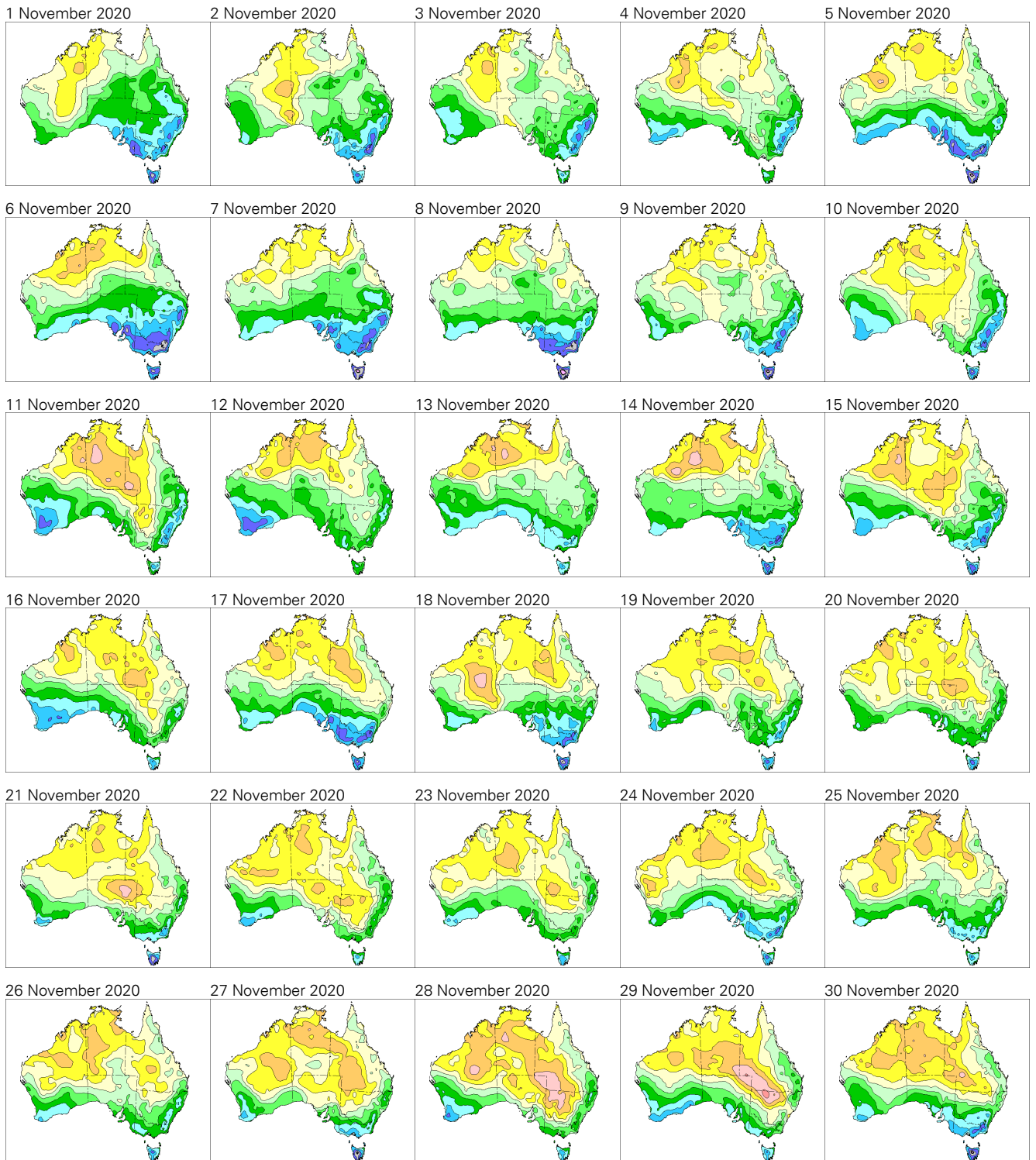
A low pressure system and cold front moved over Victoria on the 29th, and produced moderate falls in northern Tasmania, south-east South Australia and southern Victoria, before moving off shore. At the end of the month, a trough and cold front tracked across south-west Western Australia, generating mainly light falls.

Daily maximum temperature maps



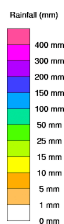
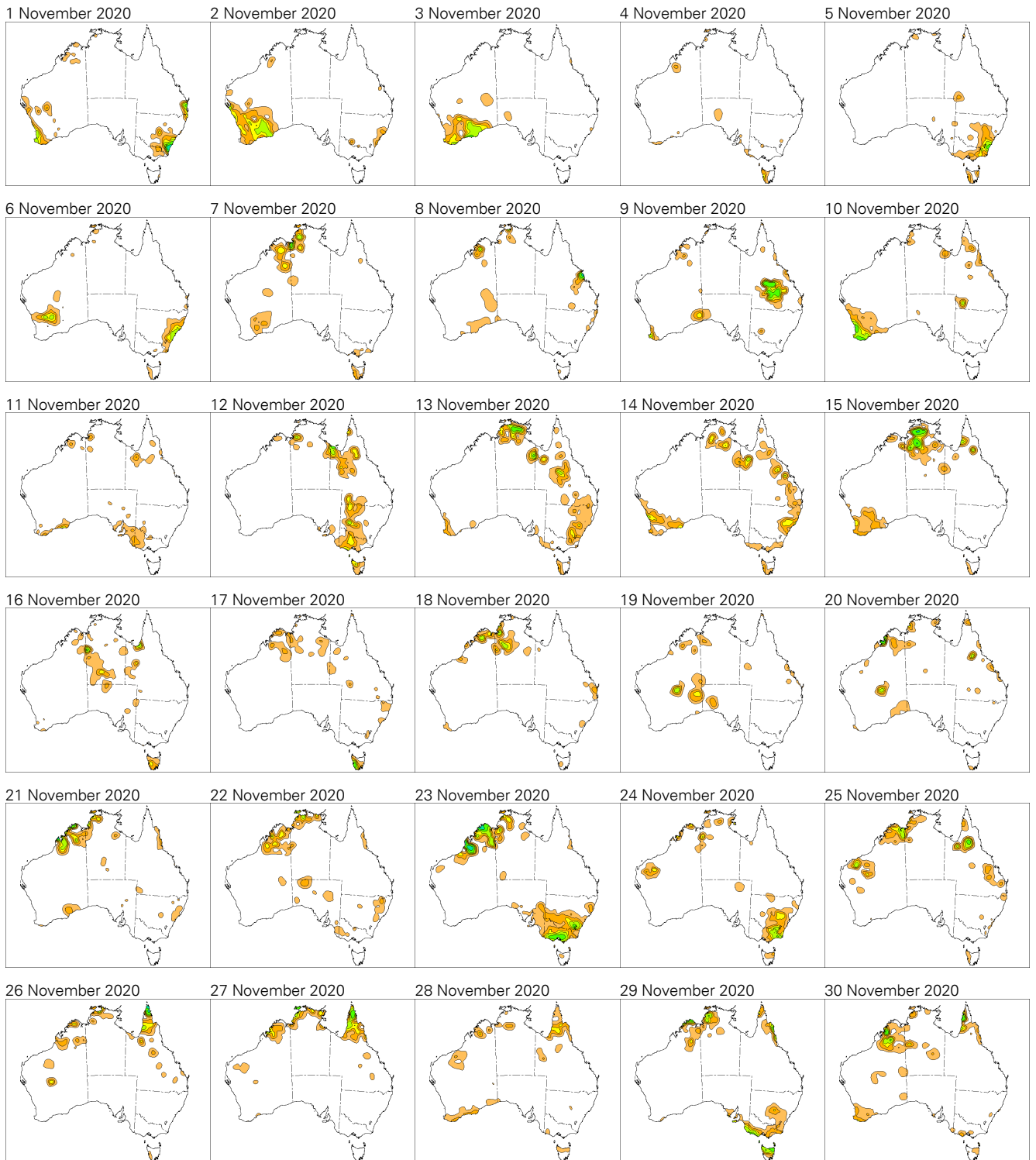
These maps are intended to give an overview of daily maximum temperature across the country. There could be discrepancies between the values shown on these maps and those at individual locations, as a result of the way the maps are generated. A wide range of maps of rainfall, temperature and other variables, 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 November daily maximum temperature			
	New record	Old record	Years of record
Western Australia			
003032 Derby Aero	44.6 on 4th =	44.6 on 13th in 2004	36
Northern Territory			
014401 Warruwi Airport	37.7 on 7th	37.6 on 20th in 1967	54
015511 Curtin Springs	45.1 on 28th	44.6 on 30th in 1982	56
015635 Yulara Airport	45.2 on 28th	45.0 on 24th in 1987	34
015652 Watarrka	44.9 on 28th	44.2 on 30th in 1996	30
South Australia			
016001 Woomera Aerodrome	46.9 on 28th	44.9 on 19th in 2009	72
016065 Andamooka	48.0 on 28th	45.7 on 22nd in 2014	52
017043 Oodnadatta Airport	47.4 on 28th	47.3 on 29th in 2006	71
017099 Arkaroola	44.5 on 28th	44.4 on 18th in 2009	43
017110 Leigh Creek Airport	46.0 on 28th	45.2 on 18th in 2009	37
019017 Hawker	44.5 on 28th	44.0 on 18th in 2009	48
Queensland			
043020 Mitchell Post Office	44.7 on 30th	42.7 on 22nd in 2014	52
043035 Surat	44.3 on 30th	43.9 on 29th in 2006	55
044010 Bollon Mary St	45.6 on 30th	44.4 on 5th in 1965	64
044021 Charleville Aero	43.8 on 30th	43.3 on 29th in 2006	79
044026 Cunnamulla Post Office	45.4 on 30th	44.0 on 23rd in 2014	62
New South Wales			
047016 Lake Victoria Storage	45.5 on 28th	45.1 on 29th in 2012	95
047019 Menindee Post Office	46.4 on 28th	45.4 on 29th in 2012	105
047048 Broken Hill Airport AWS	44.7 on 28th	43.5 on 18th in 2009	31
052020 Mungindi Post Office	45.8 on 30th	44.9 on 15th in 2014	54
056018 Inverell Research Centre	39.2 on 30th	38.6 on 15th in 2014	56
074034 Corowa Airport	43.0 on 28th	42.5 on 17th in 1980	46
075032 Hillston Airport	43.8 on 28th	43.5 on 14th in 2014	63
075041 Griffith Airport AWS	43.2 on 28th	43.0 on 26th in 1997	46
Victoria			
076031 Mildura Airport	45.7 on 28th	45.5 on 29th in 2012	75
076047 Ouyen (Post Office)	45.8 on 28th =	45.8 on 29th in 2012	64
076064 Walpeup Research	45.2 on 28th	44.7 on 29th in 2012	53
082039 Rutherglen Research	42.6 on 28th	41.8 on 26th in 1997	102

= indicates the new record equals the old one.

Record highest November mean maximum temperature				
		New record	Old record	Years of record
Western Australia				
013015	Carnegie	38.9	37.6 in 2006	32
Northern Territory				
014015	Darwin Airport	35.0	34.7 in 2015	80
014198	Jabiru Airport	39.1	38.9 in 2015	44
014401	Warruwi Airport	35.0	34.5 in 2016	54
014508	Gove Airport	34.6	34.3 in 2015	42
015135	Tennant Creek Airport	40.4	39.8 in 1990	52
015590	Alice Springs Airport	38.0	37.1 in 2006	80
015602	Jervois	39.9	39.4 in 1990	52
015635	Yulara Airport	38.6	38.3 in 2015	34
South Australia				
016001	Woomera Aerodrome	34.1	33.2 in 2009	72
016065	Andamooka	35.2	34.8 in 1982	52
017043	Oodnadatta Airport	37.8	37.5 in 2012	71
017099	Arkaroola	33.5	33.3 in 2012	43
017110	Leigh Creek Airport	34.4	34.3 in 2012	37
018106	Nullarbor	30.1	29.2 in 2009	35
018120	Whyalla Aero	30.7 =	30.7 in 2009	36
023000	Adelaide (West Terrace / ngayirdapira)	28.8	28.4 in 1911	96
Queensland				
029127	Mount Isa Aero	40.1	39.8 in 2015	54
039059	Lady Elliot Island	29.2	28.9 in 2018	81
039314	Seventeen Seventy	29.2 =	29.2 in 2019	34
New South Wales				
048079	Wanaaring Post Office	36.7 =	36.7 in 2002	30
Tasmania				
094010	Cape Bruny Lighthouse	18.8	18.3 in 2017	98
094020	Dover	21.2 =	21.2 in 2017	31

= indicates the new record equals the old one.

Highest November mean maximum temperature for at least 30 years			
		Observed this month	Most recent higher
Western Australia			
011003	Eucla	28.8	33.4 in 1966 *
Northern Territory			
014840	Wave Hill	41.1	41.7 in 1990
Victoria			
090015	Cape Otway Lighthouse	21.4	22.4 in 1907
Tasmania			
092027	Orford (Aubin Court)	21.2	22.3 in 1982

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

Record lowest November mean minimum temperature				
		New record	Old record	Years of record
Western Australia				
009871	Windy Harbour	9.7	10.2 in 2018	32

Record highest November daily minimum temperature				
		New record	Old record	Years of record
Western Australia				
006099	Murchison	28.0 on 24th	26.3 on 25th in 1990	30
013011	Warburton Airfield	29.4 on 18th	29.1 on 6th in 2013	31
013015	Carnegie	29.4 on 28th	29.0 on 7th in 2014	32
Northern Territory				
014840	Wave Hill	31.4 on 12th	31.0 on 23rd in 1990	48
015635	Yulara Airport	28.3 on 30th	28.2 on 3rd in 2018	34
015652	Watarrka	30.5 on 28th	30.2 on 25th in 2006	30
Queensland				
036031	Longreach Aero	29.5 on 17th	29.1 on 24th in 1987	55
New South Wales				
048027	Cobar MO	29.8 on 29th	28.8 on 20th in 2009	59
048079	Wanaaring Post Office	32.9 on 29th	30.9 on 30th in 2012	30
049002	Balranald (RSL)	27.6 on 22nd	26.7 on 19th in 2009	55
050052	Condobolin Ag Research Stn	27.8 on 28th	26.9 on 24th in 2014	56
061055	Newcastle Nobbys Signal Station AWS	24.1 on 29th	23.1 on 3rd in 2018	64
064008	Coonabarabran (Showgrounds)	26.0 on 29th	23.1 on 26th in 1982	63
066124	Parramatta North (Masons Drive)	26.5 on 29th	25.6 on 18th in 1968	54
066137	Bankstown Airport AWS	28.1 on 29th	22.6 on 19th in 2004	53
068192	Camden Airport AWS	25.1 on 29th	21.7 on 21st in 2009	45
075039	Lake Cargelligo Airport	28.0 on 28th =	28.0 on 18th in 1980	47
Tasmania				
094041	Maatsuyker Island Lighthouse	18.7 on 11th	18.2 on 30th in 2017	64

= indicates the new record equals the old one.

Record highest November mean minimum temperature				
		New record	Old record	Years of record
Western Australia				
013011	Warburton Airfield	22.6	22.4 in 2015	45
013015	Carnegie	22.0 =	22.0 in 2006	32
200284	Cocos Island Airport	25.6 =	25.6 in 2015	69
Northern Territory				
014840	Wave Hill	27.1	25.9 in 1990	48
014932	Tindal RAAF	26.5	26.2 in 2009	33
015635	Yulara Airport	22.6	21.2 in 2015	34
Queensland				
038003	Boulia Airport	25.2	24.9 in 2014	125
Tasmania				
092003	Bicheno (Council Depot)	12.4 =	12.4 in 2000	45

= indicates the new record equals the old one.

Highest November mean minimum temperature for at least 30 years			
		Observed this month	Most recent higher
Western Australia			
011003	Eucla	15.2	17.5 in 1966 *
Northern Territory			
015135	Tennant Creek Airport	27.0	27.1 in 1990
015590	Alice Springs Airport	21.1	21.7 in 1987
* note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported.			

Record highest November mean temperature				
		New record	Old record	Years of record
Western Australia				
013011	Warburton Airfield	30.3 =	30.3 in 2006	45
013015	Carnegie	30.5	29.8 in 2006	32
Northern Territory				
014198	Jabiru Airport	32.5	32.4 in 2015	44
014401	Warruwi Airport	31.1 =	31.1 in 2008	54
014508	Gove Airport	29.7	29.5 in 2018	42
014626	Daly Waters Airstrip	32.5 =	32.5 in 1953	51
014932	Tindal RAAF	33.2	33.0 in 2019	33
015135	Tennant Creek Airport	33.7	33.5 in 1990	52
015590	Alice Springs Airport	29.6	29.1 in 1987	80
015635	Yulara Airport	30.6	29.8 in 2015	34
South Australia				
018106	Nullarbor	22.1	22.0 in 2009	35
Tasmania				
092003	Bicheno (Council Depot)	16.1	15.8 in 2015	45
092027	Orford (Aubin Court)	16.0 =	16.0 in 1982	53
= indicates the new record equals the old one.				

Highest November mean temperature for at least 30 years			
		Observed this month	Most recent higher
Western Australia			
011003	Eucla	22.0	25.5 in 1966 *
Northern Territory			
014015	Darwin Airport	30.4	30.5 in 1989
014825	Victoria River Downs	33.6	33.7 in 1990
Queensland			
029127	Mount Isa Aero	31.5	31.6 in 1990
Victoria			
090015	Cape Otway Lighthouse	17.2	17.5 in 1902 *
* note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported.			

Record highest November daily rainfall

	New record	Old record	Years of record
Western Australia			
001010 Theda	103.5 on 23rd	85.0 on 10th in 2004	54
003003 Broome Airport	72.4 on 23rd	57.8 on 20th in 2010	81
003057 Cygnet Bay	42.5 on 21st	41.0 on 23rd in 2013	57
005012 Millstream	50.4 on 25th	37.6 on 10th in 1914	114
008251 Kalbarri	13.8 on 2nd	13.2 on 17th in 2003	51
009014 Dandaragan West	38.0 on 2nd	33.8 on 3rd in 1969	65
009015 Karragullen North	52.4 on 10th	37.0 on 19th in 2009	49
009030 Mundaring	63.4 on 10th	57.2 on 15th in 1948	108
009066 Gidgegannup	53.4 on 10th	48.0 on 8th in 1984	60
009112 Bindoon	28.2 on 10th	22.9 on 3rd in 1969	37
009113 Roleystone	53.6 on 10th	42.8 on 19th in 2009	53
009647 Wereroa	56.0 on 10th	51.0 on 17th in 1984	61
009871 Windy Harbour	30.0 on 10th	28.4 on 6th in 1984	34
Queensland			
044079 Albury	62.0 on 16th	60.0 on 27th in 1983	67
New South Wales			
069127 Araluen Lower (Araluen Rd)	95.0 on 1st	88.2 on 19th in 1986	41
Victoria			
085277 Noojee (Slivar)	57.2 on 23rd	43.0 on 23rd in 2008	39
086077 Moorabbin Airport	63.2 on 23rd	61.4 on 29th in 1983	69
086224 Dandenong	60.0 on 23rd	55.0 on 22nd in 2009	52
086303 Glen Waverley (Golf Course)	58.0 on 23rd	56.6 on 19th in 1978	47

Record highest November total rainfall

		New record	Old record	Years of record
Western Australia				
003003	Broome Airport	75.3	57.8 in 2010	81
005012	Millstream	55.4	50.0 in 1927	115
009009	Lower Chittering	113.2	92.5 in 1946	101
009015	Karragullen North	142.8	115.6 in 2012	49
009021	Perth Airport	89.0	84.8 in 2012	77
009030	Mundaring	142.2	118.9 in 1946	117
009039	Serpentine	91.8	81.3 in 1946	98
009066	Gidgegannup	137.8	85.0 in 1983	59
009106	Gosnells City	100.2	93.4 in 1992	58
009113	Roleystone	132.2	90.0 in 1984	53
009172	Jandakot Aero	81.4	78.6 in 2008	47
009207	Pickering Brook North	122.2	100.2 in 2012	33
009210	Lake Nammen	72.4	66.2 in 1991	44
009240	Bickley	169.4	128.6 in 2012	51
009574	Margaret River	114.6	109.4 in 1984	92
009575	Marradong	83.6	71.2 in 1992	122
009629	Marriwood	106.9	92.2 in 1984	64
009771	Yoongarillup	95.0	94.8 in 1981	64
009789	Esperance	95.8	88.0 in 1991	51
009813	Mount Howick	99.4	97.6 in 2003	51
009815	The Duke	101.2	96.4 in 2012	43
009842	Jarraewood	100.0	97.2 in 1984	46
009871	Windy Harbour	102.7	95.0 in 2008	34
009891	Pinjarra Refinery	92.7	86.2 in 2011	35
010011	Bonnie Rock	68.9	60.2 in 1981	83
010888	Dwarda Downs	76.2	59.4 in 1998	39

Highest November total rainfall for at least 30 years

		Observed this month	Most recent higher
Western Australia			
003030	Bidyadanga	13.4	20.3 in 1988
003052	Mount Hart Station	160.6	239.9 in 1973 *
003073	Kimbolton	111.0	132.6 in 1975 *
008050	Geraldton Town	40.6	49.7 in 1971 *
009000	Araluen	102.2	123.2 in 1946 *
009007	Chidlow	104.9	117.6 in 1946 *
009023	Jarrahdale	116.2	129.4 in 1984 *
009024	Marbling	92.8	111.3 in 1946
009033	New Norcia	51.4	52.0 in 1983 *
009105	Wanneroo	72.8	76.4 in 1984 *
009111	Karnet	120.5	152.4 in 1984
009507	Bannister	61.6	61.7 in 1916
009515	Busselton Shire	74.4	81.1 in 1981 *
009534	Donnybrook	98.0	120.0 in 1981
009542	Esperance Aero	74.0	75.4 in 1983 *
009579	Oake Marsh Farm	78.2	133.3 in 1959 *
009636	Cowaramup	88.5	104.4 in 1981
009642	Wokalup	89.6	123.8 in 1984 *
009668	Kuranda	84.2	88.0 in 1984
009739	Telina Downs	76.4	90.6 in 1971 *
009772	Erinair	76.6	94.4 in 1985
009803	Chapman Hill	79.8	121.4 in 1984 *
009804	Adina	91.4	115.0 in 1971
009822	Dalyup Park	71.0	84.8 in 1987 *
009906	Glengarren	89.4	100.4 in 1984 *
009909	Aston Downs	88.8	114.8 in 1984
009912	Ferguson Valley	98.8	105.0 in 1984
009917	Perivale Orchard	88.0	97.7 in 1984 *
010138	Wooroloo	83.6	97.1 in 1946 *
010152	Muresk Institute	49.0	55.9 in 1946 *
010531	Cherry Tree	58.0	80.4 in 1984 *
010582	Kojonup	87.2	91.4 in 1984
New South Wales			
070040	Goulburn (Cherryton)	92.8	115.8 in 1988 *
200288	Norfolk Island Aero	177.8	446.2 in 1988

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

Record lowest November total rainfall				
		New record	Old record	Years of record
Northern Territory				
015643	Territory Grape Farm	0.4	0.6 in 1996	32
Queensland				
033260	Svendsen Beach	1.0 =	1.0 in 2019	33
039168	Woodgate Store	2.2	3.4 in 1982	46
039252	Ferndale	1.2	1.6 in 1982	46
039303	Childers South	1.6	3.4 in 1982	42
040307	Vincent Vale	2.0	5.2 in 2019	60
040708	Monogorilby - Home	2.0	3.0 in 2019	37
040808	Cressbrook Dam	5.6 =	5.6 in 2003	30
041052	Jingi Jingi	1.6	4.0 in 1935	103
041082	Pittsworth	4.0 =	4.0 in 2019	134
041091	Lauriedale	1.8	8.6 in 2018	32
041175	Applethorpe	5.6	6.0 in 2019	52
041191	Victory Downs	3.4	5.4 in 1982	53
041208	Spring Creek	3.0	3.4 in 2019	60
041339	Loudoun Bridge	4.0 =	4.0 in 2019	46
041454	Girraween Nat Park	5.4	6.5 in 2019	46
041456	Cunninghams Gap National Park	5.2	12.9 in 2018	44
041469	Macalister	0.8	2.8 in 1982	49
042035	Jackson Community Postal Agency	1.6	1.8 in 2019	58
043091	Roma Airport	0.2	8.1 in 1990	36
New South Wales				
054082	Kings Plains (Croye)	8.2	13.2 in 1982	62
055105	Attunga (Tarana)	8.0 =	8.0 in 1990	59
055311	Duri Post Office	5.4	10.4 in 1990	37
055319	Upper Manilla (Glenborah)	4.2	15.4 in 2016	34
056032	Tenterfield (Federation Park)	6.1	6.6 in 1926	150
056050	Tenterfield (Aberfeldie)	5.4	15.4 in 1993	71
056094	Dundee (Wattle Dale)	8.2	12.0 in 2019	63
056098	Dundee (Karinga)	13.2	18.4 in 2019	62
056139	Ben Lomond (Koala)	14.5	17.0 in 1982	61
056163	Mount Mitchell (Tirrana)	11.2	16.8 in 1982	55
056180	Bundarra (South Winscombe)	5.0	6.0 in 1982	56
056202	Black Swamp (Maxwell)	6.8	18.2 in 2019	43
056205	Pinkett (Benbookra)	5.0	11.0 in 1993	48
056229	Guyra Hospital	15.0	20.2 in 1982	39
056236	Walcha (Inglewood)	13.0	33.4 in 2019	30
057003	Bonalbo Post Office	6.1	6.9 in 2019	72
057014	Glen Elgin (Glenbrook)	6.0	6.6 in 1935	108
058102	Grafton South (South Grafton (Yeerong))	8.0	10.4 in 1978	57
058192	Upper Mongogarrie (Marangaroo)	5.6	14.8 in 2019	34
059113	Leigh (Rolling Acres)	25.6	28.4 in 1980	46
060090	Birdwood	17.2	28.8 in 1982	51
060106	Number One (Murrays Creek)	17.0	18.6 in 1982	51
060125	Hollisdale (Pappinbarra Rd)	16.6	21.8 in 2019	34
060130	Forbes River (Birdwood)	20.0	29.8 in 2019	32
Tasmania				
093033	Campbell Town (Elizabeth R)	15.8	18.2 in 2007	33

= indicates the new record equals the old one.

Lowest November total rainfall for at least 30 years

		Observed this month	Most recent lower
South Australia			
016055	Yardea	0.6	0.0 in 1990
016067	Mount Ive	0.7	0.0 in 1990
017014	Blinman	0.4	0.0 in 1984 *
018014	Cleve	5.4	2.8 in 1990
018036	Karcultaby	1.6	1.4 in 1987 *
018046	Lock	1.8	1.0 in 1982 *
018063	Penong	3.0	0.0 in 1990
018077	Smoky Bay	3.2	0.0 in 1990
018079	Streaky Bay	1.3	0.0 in 1982
018164	Murdinga (Mungala)	1.8	0.0 in 1982
018166	Wirrulla (Pimbena)	1.8	0.4 in 1990
018174	Rudall (Swaffpro)	3.7	1.4 in 1990
018182	Ceduna (Uworra)	1.2	0.4 in 1990
019006	Booleroo Centre	2.8	0.6 in 1982 *
019017	Hawker	0.1	0.0 in 1982
019024	Melrose	3.6	1.6 in 1982
019042	Melrose (Para Gums)	2.6	1.0 in 1982 *
019048	Wilmington	1.5	0.0 in 1982 *
019053	Wirrabara Forest	6.3	4.2 in 1982 *
020002	Cockburn	1.0	0.0 in 1984 *
021104	Balaklava (Wanappe)	6.6	2.8 in 1987
022015	Price	2.5	1.6 in 1990
023822	Hartley (Pine Hill)	5.8	1.6 in 1990
025502	Cooke Plains	3.5	3.4 in 1982 *
* <i>note: there are gaps in the historical record at this site, so it is possible a lower value has gone unreported.</i> = indicates the new record equals the old one.			

Lowest November total rainfall for at least 30 years

		Observed this month	Most recent lower
Queensland			
033076	Yaamba	1.6	0.0 in 1982
035135	Hornet Bank Homestead	2.2	0.0 in 1913 *
035165	Durrandella	1.2	0.0 in 1969 *
035225	Cardbeign	3.2	0.6 in 1990
039067	Moonmera	1.6	0.0 in 1982 *
039083	Rockhampton Aero	1.6	0.0 in 1982 *
039158	Theodore	5.6	0.0 in 1982 *
039223	Kolonga	4.4	0.0 in 1982 *
039255	Springs	3.0	1.4 in 1982 *
039258	Walla Alert-B	2.4	0.0 in 1926 *
040135	Moogerah Dam	3.0	2.1 in 1951 *
040189	Somerset Dam	4.6	2.1 in 1955
040224	Alderley	5.8	5.3 in 1951 *
040485	Wilson's Peak	4.8	0.5 in 1951 *
040693	Highvale	6.4	4.6 in 1967 *
041005	Bell Police	5.0	0.8 in 1982 *
041050	Jandowae Post Office	1.8	0.0 in 1913
041098	Tannymorel	5.6	4.0 in 1918 *
041145	Marnhull	2.8	0.0 in 1982
041168	Rosevale	2.2	0.0 in 1982 *
041240	Hereward	3.6	2.6 in 1982 *
041277	Glenroy	1.8	0.0 in 1982
041297	Daandine	2.0	0.0 in 1923 *
041397	Burilda	1.8	1.0 in 1982 *
043015	Injune Post Office	1.0	0.0 in 1982
043060	Havelock	11.0	7.0 in 1990
043061	Gunnwin	3.4	0.0 in 1982 *
043095	Namarah	1.8	1.2 in 1990
044075	Woodlands	1.0	0.0 in 1946 *

* *note: there are gaps in the historical record at this site, so it is possible a lower value has gone unreported.*
 = indicates the new record equals the old one.

Lowest November total rainfall for at least 30 years

		Observed this month	Most recent lower
New South Wales			
048031	Collarenebri (Albert St)	0.8	0.2 in 1982 *
048047	Collarenebri (Goondobluie)	1.2	0.0 in 1990
051133	Warrumbungle (Miagunyah)	3.4	0.6 in 1980 *
052020	Mungindi Post Office	4.4	0.0 in 1990
053018	Croppa Creek (Krui Plains)	1.4	0.2 in 1982
053033	Pallamallawa Post Office	2.4	2.2 in 1990
053034	Wee Waa (Pendennis)	2.0	0.0 in 1990
053044	Wee Waa (George St)	2.6	1.0 in 1990
054003	Barraba (Clifton Lane)	4.2	0.0 in 1897
054021	Barraba (Mount Lindsay)	9.4	3.2 in 1982 *
054023	Barraba (Neranghi)	7.0	0.0 in 1930 *
054049	Graman (Ulupna)	9.0	3.4 in 1982
054057	Cherry Tree Hill (Kulki)	7.0	0.0 in 1990
054069	Dinton Vale (Berrilee)	4.4	0.0 in 1967 *
054073	Nullamanna (Belmore)	5.8	4.2 in 1990
054114	Bundarra (Beverley)	15.2	5.1 in 1967 *
055000	Attunga (Garthowen)	14.8	3.4 in 1990
055002	Mullaley (Bando)	4.4	0.2 in 1980
055049	Quirindi Post Office	24.0	21.6 in 1990
055065	Breeza (The Park)	4.8	1.6 in 1980 *
055076	Boggabri (Kanownda)	2.5	0.0 in 1982 *
055136	Woolbrook (Woolbrook Road)	19.0	11.0 in 1990
055157	Winton (Dalblair)	2.6	2.0 in 1967 *
055164	Weabonga (Stoneleigh)	20.2 =	20.2 in 1990
055176	Loomberah (Pendene)	6.8	3.8 in 1980 *
055181	Dungowan (Ravencroft)	8.0	3.8 in 1980 *
055254	Manilla (Fern Hill)	1.0	0.8 in 1967 *
055294	Werris Creek (Yandilla)	6.4	6.0 in 1982 *
056001	Sapphire (Argyle)	14.6	9.6 in 1982 *
056008	Deepwater Post Office	14.4	6.6 in 1957 *
056013	Glen Innes Ag Research Stn	22.2	15.0 in 1982 *
056016	Guyra Post Office	14.0	8.9 in 1926 *
056023	Old Koreelah (McPherson)	3.2	0.0 in 1957 *
056029	Emmaville (Strathbogie)	17.4	6.0 in 1982 *
056057	Tenterden (Balook)	16.0	6.6 in 1982 *
056065	Uralla (Mihi)	12.8	6.3 in 1957
056077	Walcha (Craigdarroch)	23.6	22.2 in 1990
056100	Wellingrove (Wangalea)	12.8	10.9 in 1967 *
056128	Swan Vale (Numeralla)	17.2	14.0 in 1990
057091	Uralla (Blue Nobby)	16.0	13.8 in 1982 *
057103	Kookabookra	6.0	0.0 in 1919 *
057119	Walcha (Karori)	18.9	2.8 in 1982 *
058012	Yamba Pilot Station	19.6	18.4 in 1978
058056	Tweed Heads Golf Club	18.2	2.0 in 1982 *
059002	Bowraville Recreation Club	13.0	6.4 in 1956 *
059006	Lower Bucca	31.0	25.0 in 1955 *
059019	Ebor (The Racecourse)	21.8	18.8 in 1955 *
060085	Yarras (Mount Seaview)	58.8	51.6 in 1982 *
060103	Krambach (Tipperary)	25.0	23.0 in 1982 *

* note: there are gaps in the historical record at this site, so it is possible a lower value has gone unreported.
= indicates the new record equals the old one.

Lowest November total rainfall for at least 30 years

		Observed this month	Most recent lower
060104	Nowendoc (Green Hills)	23.0	19.8 in 1982 *
060112	Gloucester (Hiawatha)	21.4	17.4 in 1982 *
062032	Wollar (Barrigan St)	21.5	3.0 in 1990
070161	Cooma (Myalla)	13.6	4.0 in 1982 *
071041	Thredbo Village	67.3	35.4 in 1984 *
Victoria			
085063	Mount Best (Upper Toora)	32.2	29.6 in 1989
Tasmania			
092019	Lake Leake (Elizabeth River)	18.8	16.0 in 1926 *

** note: there are gaps in the historical record at this site, so it is possible a lower value has gone unreported.
= indicates the new record equals the old one.*

Selected observations

Daily and mean maximum temperatures for November 2020

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		38.0	37.4	38.2	41.1	39.6	36.3	38.4	36.9	40.6	40.3	38.8	38.8	39.9	38.4	37.2	37.8	38.3	36.2	39.2	40.0	36.7	36.1	34.4	36.7	36.7	36.9	40.1	34.5	35.6	39.1	38.7		
002056 Kununurra Aero		39.9	39.2	40.5	42.5	41.1	40.3	40.3	35.2	40.1	41.6	40.0	41.0	43.3	41.8	41.7	38.5	41.6	35.8	38.6	40.8	38.9	38.2	37.0	38.9	41.1	38.8	40.3	40.7	37.3	40.6	40.1		
003003 Port Hedland Airport		34.6	+1.0	32.1	32.5	33.4	36.0	41.2	35.3	34.8	33.9	35.0	33.4	33.0	33.6	34.2	33.3	32.5	34.9	39.6	35.0	36.7	37.4	34.2	37.5	34.4	32.8	32.7	34.4	32.8	33.3	32.4	35.5	
003032 Derby Aero		38.9	37.7	38.0	41.5	44.6	40.4	37.6	37.7	37.4	40.7	41.2	40.9	42.0	39.7	39.2	36.4	38.9	37.8	39.0	38.5	39.1	34.3	37.0	37.3	39.8	37.5	39.0	38.4	38.1	38.9	39.1		
004032 Port Hedland Airport		37.7	+1.5	33.0	32.2	35.4	38.2	43.9	41.6	37.0	37.1	35.8	38.2	39.3	40.9	41.7	43.8	36.2	33.8	34.9	34.4	35.3	38.0	39.3	38.2	35.6	35.9	37.3	35.3	37.5	37.5			
004083 Karratha Aero		34.9		30.2	30.2	33.1	36.6	36.7	37.9	32.9	33.2	30.8	36.2	34.4	34.8	35.1	32.0	34.1	36.2	41.2	35.1	34.7	35.3	36.3	32.9	36.2	36.8	36.0	35.1	34.6	35.6	33.6	37.9	
004106 Marble Bar																																		
005007 Leamonth Airport		35.5		29.3	28.9	33.0	36.3	36.4	35.6	32.8	32.7	30.1	30.8	32.5	34.1	35.1	31.7	33.0	37.1	37.9	35.3	36.5	40.7	40.9	42.8	31.1	38.4	37.1	39.0	39.4	40.5	39.7	35.2	
006011 Carnarvon Airport		28.0	+0.6	26.4	25.2	28.0	31.2	28.1	26.7	26.7	27.4	26.3	24.7	25.0	25.3	25.3	26.7	26.7	30.3	27.1	26.0	28.7	27.9	29.7	34.5	36.1	28.2	32.0	27.8	27.3	27.5	27.8	28.1	
006044 Denham		26.6		25.0	25.0	27.9	28.0	27.2	26.0	27.0			23.2	24.5	26.0	26.5	26.0	24.5	29.0	25.8	28.0	26.5	27.0	33.2	30.0	26.2	26.5	25.0	25.0	27.5	24.9	24.9		
007176 Newman Aero		38.9	37.9	36.7	36.9	39.3	40.6	40.3	40.1	39.4	37.8	34.5	39.2	39.5	40.1	38.3	34.8	38.6	41.6	39.9	40.5	38.0	41.0	42.2	38.1	36.7	36.1	37.9	39.6	40.0	40.7	42.1	37.9	
007185 Parburdoo Aero		38.8	37.3	31.4	35.7	39.6	40.8	39.4	36.9	38.3	36.4	32.9	38.4	38.6	38.5	35.6	34.5	41.3	42.7	41.2	43.2	41.2	41.7	42.2	40.9	36.5	37.3	40.2	39.8	40.7	42.2	36.6		
007045 Meekatharra Airport		35.1	+2.0	33.3	26.9	28.6		38.0	37.0	34.9	36.5	31.6	24.9	30.6	32.8	34.1	30.7	29.0	34.5	39.8	37.6	39.0	37.8	37.7	38.6	38.8	39.8	39.8	41.9	37.9	35.1	40.4	30.5	
007600 Mount Magnet Aero		33.4		30.7	25.5		31.9	36.0	33.8	33.8	35.8	31.0	22.6	28.1	31.9	32.1	29.2	26.7	33.6	37.3	34.6	35.9	35.4	34.8	35.7	38.7	41.7	38.6	41.5	33.0	31.4	38.7	28.2	
008296 Morawa Airport		30.5		22.8	22.4	26.9	30.0	35.7	32.2	33.0	31.3	27.5	22.4	22.4	28.6	29.9	25.2	25.5			33.4	32.1	32.9	31.4	32.4	34.5	40.0	43.8	36.6	35.9	29.0	29.2	33.9	24.5
008297 Dalwallinu		28.3		21.5	21.8	24.6	26.8	32.8	26.5	30.1	26.2	20.6	20.4	26.5	27.7	22.1	22.5	29.2	31.6	29.7	30.7	30.1	30.3	31.2	36.9	42.4	33.7	34.1	26.4	26.4	31.8	21.5		
008315 Kalgoorlie Airport		26.8		18.9	22.6	25.5	30.2	35.1	33.9	28.2	25.2	25.0	21.5	23.2	23.7	25.9	23.3	22.9	29.5	24.6	26.7	26.2	26.0	25.8	34.8	40.3	34.3	26.4	25.5	24.9	25.8	25.7	23.1	
009021 Perth Airport		25.0	-0.6	18.5	21.3	23.0	26.0	31.1	29.2	29.2	25.4	21.2	19.1	21.3	22.3	22.1	21.0	21.1	24.7	23.4	25.0	26.3	26.0	29.0	32.3	36.1	34.8	29.7	24.2	23.4	23.6	20.2		
009131 Jurien Bay		24.9		19.5	21.3	22.9	29.4	31.9	29.5	26.3	24.5	21.6	21.2	21.9	23.1	23.0	22.2	24.4	24.6	24.6	25.3	24.0	29.2	35.0	27.9	24.6	24.6	24.4	23.2	23.9	21.9			
009225 Perth Metro		24.7		18.4	22.2	22.8	25.9	30.5	29.2	29.6	25.5	18.6	19.0	20.8	22.7	22.9	21.6	22.1	24.3	23.5	25.2	25.7	26.3	25.2	28.2	35.1	33.7	28.9	24.1	23.5	23.6	19.4		
009240 Bickley		22.1		15.1	18.3	19.4	21.8	27.4	25.6	26.8	22.8	18.0	15.8	16.8	19.5	19.0	17.7	22.5	24.3	20.6	22.3	24.7	23.6	24.0	27.7	33.3	33.5	26.5	22.7	20.8	22.8	21.4	15.5	
009518 Cape Leeuwin		20.4	+0.3	19.3	21.3	20.8	18.9	20.7	21.0	22.6	21.1	18.2	17.2	19.0	19.9	19.4	18.9	19.0	20.7	21.1	20.6	21.2	21.7	22.2	23.0	24.3	22.5	20.4	20.8	19.9	20.9	18.3	17.3	
009617 Bridgetown		21.9		16.3	19.4	19.4	20.0	24.3	24.1	26.6	24.0	16.6	17.2	15.9	19.0	19.6	20.7	17.6	21.2	22.2	24.1	25.4	22.7	23.6	27.0	32.1	29.7	23.4	25.3	19.8	22.2	19.9	16.6	
009746 Witchcliffe		21.5		18.9	20.4	20.9	20.5	23.8	26.6	26.2	22.5	18.1	17.4	17.8	21.5	19.8	20.7	19.5	20.8	22.4	21.4	22.4	20.7	22.6	23.7	30.2	24.6	21.6	21.1	20.9	17.6	17.2		
009789 Esperance		23.9		25.1	28.4	19.2	18.2	19.7	20.0	20.5	29.3	34.3	17.5	18.3	22.7	23.1	23.9	21.1	23.4	26.1	22.8	23.9	27.3	20.8	22.4	31.4	40.5	21.6	28.7	21.1	20.1	26.0	19.5	
009865 Bunbury				17.6	19.7	21.4	24.0	27.7	27.1	26.3	21.7	17.9	19.1																					
009977 Mandurah		23.1		18.0	19.4	20.8	25.4	29.3	30.7	25.9	23.4	18.4	19.1	20.2	20.8	21.4	21.5	20.5	22.1	21.4	22.9	23.0	23.4	23.4	26.4	32.5	28.6	26.1	24.7	22.6	21.8	20.9	18.8	
009999 Albany Airport		21.4		20.3	16.6	18.3	17.3	20.1	19.4	23.8	24.5	21.3	14.2	15.9	22.1	21.3	23.6	19.5	24.5	25.2	20.7	23.3	23.8	20.6	22.8	30.0	31.1	20.2	27.3	18.3	19.0	22.3	15.8	
010007 Bencubbin		27.6	-1.2	26.0	20.0	23.3	24.5	29.3	20.0	28.0	30.8	26.8	19.6	20.1	26.6	27.4	22.6	22.1	28.0	32.1	30.0	32.7												
010092 Merredin		27.8	-0.3	26.9	18.5	23.0	24.0	29.2	21.0	27.8	32.3	26.5	19.6	21.0	26.5	26.5	22.5	22.8	28.0	31.2	30.5	32.5	31.0	28.9	30.5	35.1	41.3	31.5	37.1	27.5	26.6	30.3	20.9	
010286 Cunderdin Airfield		28.7		21.5	23.5	26.0	25.2	31.5	26.3	29.7	32.6	27.7	20.8	22.5	26.7	24.2	23.8	24.1	29.6	32.0	30.8	31.6	32.0	30.5	31.6	32.0	35.1	41.1	30.9	36.5	28.6	26.5	32.6	21.9
010633 Ravensthorpe		25.2	+0.3	27.5	24.0	19.5	17.5	23.5	21.8	24.0	32.0	30.0	17.5	18.0	25.5	23.5	22.5	22.5	27.2	29.5														
010911 Lake Grace																																		
010916 Katanning		24.5		15.4	20.5	21.0	19.6	25.3	23.0	26.9	29.7	22.4	17.9	16.8	22.9	22.6	23.1	20.9	25.7	23.5	27.6	29.6	28.4	26.0	27.9	33.5	38.3	24.9	32.5	23.8	22.7	25.4	17.6	
010917 Wandering		24.9		16.2	18.0	22.0	23.2	28.7	25.8	28.4	27.4	20.5	19.3	17.9	22.7	23.4	20.6	20.7	25.8	23.0	26.6	29.0	27.6	27.2	29.0	30.5	37.3	28.1	30.3	24.4	24.8	24.8	18.5	
011003 Eucla		28.8	+4.0	39.5	40.9	26.0	20.7	19.3	19.7	23.3	35.2	38.6	27.5	23.3	23.7	33.3	27.1	30.5	28.1	35.4	38.6	23.5	29.8	24.2	22.2	22.4	37.0	39.6	26.7	26.6	20.8	24.3	36.0	
011052 Forrest		33.1		40.3	39.6	33.4	24.9	25.0	25.1	29.6	37.2	40.5	28.9	27.4	26.6	34.1	37.6	29.9	30.0	37.1	39.1	36.6	34.0	33.9	38.3	27.7	38.8	40.2	35.8					

Daily and mean maximum temperatures for November 2020

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		34.2	+5.0	29.0	30.0	31.2	35.6	22.3	26.2	27.4	30.6	32.3	33.6	35.6	33.9	31.2	32.6	39.8	34.0	30.5	35.6	39.9	41.3	41.6	37.9	29.8	30.9	34.9	38.3	41.8	43.1	35.4	39.5
048245 Bourke Airport AWS		36.8		31.5	31.7	33.7	36.5	25.8	28.6	31.0	33.2	33.2	34.9	36.9	36.4	33.7	34.5	40.7	39.2	33.6	37.0	41.5	41.9	42.4	42.5	39.2	34.5	36.8	39.9	43.1	43.9	42.9	42.8
049000 Ivanhoe Aerodrome AWS		33.0		27.3	31.5	33.0	34.7	21.6	23.3	25.3	30.4	33.2	35.9	35.2	28.3	25.4	29.8	40.7	26.4	27.6	33.0	39.3	40.7	42.1	40.3	30.8	29.5	33.8	38.4	42.9	45.4	29.4	35.6
050052 Condobolin Ag Research Stn		31.8	+3.3	26.2	27.2	29.5	33.0	21.2	24.3	25.8	27.1	29.2	31.2	33.5	30.4	28.6	30.2	36.9	32.4	29.0	33.0	36.5	39.9	41.5	35.7	27.5	29.2	32.9	37.0	40.0	41.7	29.9	34.9
052088 Walgett Airport AWS		35.8		29.2	30.3	32.0	35.2	25.8	28.3	30.7	31.4	31.0	32.5	34.4	33.4	34.7	34.0	38.4	42.1	34.3	36.8	39.0	38.5	40.6	40.4	40.9	34.6	36.1	38.0	40.4	41.2	44.5	44.0
053115 Moree Aero		35.3		28.4	30.8	31.3	34.1		27.5	30.6	30.6	30.1	30.7	33.1	34.1	35.2	34.9	38.5	42.3	36.5	36.1	36.1	36.1	38.5	37.8	40.0	35.7	35.7	36.5	38.5	38.7	41.9	44.3
054038 Narrabri Airport AWS		33.8		27.4	27.8	29.0	32.1	27.4	25.9	28.7	28.4	28.6	29.9	31.6	32.3	30.3	32.8	36.7	40.8	35.8	35.6	36.2	36.1	38.3	37.3	39.1	33.5	35.0	36.4	39.3	38.6	42.2	42.0
055325 Tamworth Airport AWS		31.8		24.9	25.8	26.8	30.1	24.4	22.8	26.6	25.1	25.8	28.0	30.8	31.3	28.9	31.7	34.2	38.8	33.5	32.5	34.4	36.0	37.4	36.7	35.6	32.0	32.6	34.5	37.7	38.4	39.9	37.5
056242 Inverell (Raglan St)		30.6		23.6	26.6	27.2	28.4	29.1	23.6	26.3	25.1	25.7	27.3	27.8	28.3	25.3	30.5	33.0	36.2	32.9	31.4	32.9	33.4	33.4	33.5	33.2	32.8	31.3	32.5	35.6	35.2	36.7	39.6
057095 Tabulam (Muirie)		28.9		26.4	24.0	23.4	27.0	31.8	25.8	24.6	19.0	22.7		27.5	29.1	26.5	31.2	31.9	35.0	30.3	23.0	27.9	31.5	32.0	33.3	34.5	29.9	25.4	32.0	30.1	35.3	37.1	30.2
058012 Yamba Pilot Station		26.1	+1.9	26.8	23.9	22.8	23.2	27.9	23.2	22.9	22.9	21.9	23.4	25.6	27.4	25.7	29.2	26.3	28.2	28.0	25.3	26.0	27.5	28.4	29.2	29.3	25.8	25.6	26.6	28.2	28.8	26.4	
060139 Port Macquarie Airport AWS (Comparison)		26.1		24.7	21.8	23.5	22.6	26.6	22.8	23.4	21.7	22.3	23.9	25.8	27.6	26.0	27.3	27.2	30.7	24.5	24.8	25.2	27.2	26.0	28.3	30.0	25.4	25.8	27.2	27.2	31.5	36.1	24.7
061078 Williamtown RAAF		27.0	+1.7	23.6	22.5	21.9	27.4	19.8	21.1	22.2	20.8	21.6	22.2	27.9	31.1	28.9	24.6	30.4	38.2	23.0	23.5	26.8	33.3	24.2	29.1	30.9	23.6	24.3	33.1	27.8	40.1	41.8	24.9
061363 Scone Airport AWS		29.8		23.6	23.7	24.8	30.1	23.5	22.2	25.1	23.4	23.8	25.7	30.6	31.3	30.7	29.0	32.9	37.9	28.3	28.4	30.8	36.5	32.3	30.8	30.6	28.1	29.5	34.5	35.5	39.6	41.5	28.2
062101 Mudgee Airport AWS		28.1		21.3	22.6	25.7	27.9	18.9	22.5	25.2	22.1	24.1	26.3	29.1	28.7	24.2	25.4	30.7	35.0	28.7	26.8	32.0	34.5	34.7	28.7	22.9	28.1	27.8	32.2	34.2	36.4	37.7	27.8
063005 Bathurst Agricultural Station		25.4	+2.7	17.8	20.9	24.2	25.2	15.5	19.0	21.8	20.1	21.8	24.6	26.9	25.0	22.2	22.0	28.6	31.5	25.1	23.3	29.2	33.0	34.0	29.6	20.2	25.0	25.7	29.5	32.1	35.1	28.8	25.2
063254 Orange Agricultural Institute				19.5	19.0	22.0	23.3	12.9				18.9	20.0	24.8	24.8	23.5	20.8		27.0	28.0	22.2	23.1	26.9			31.0	19.2	22.1	23.6	27.5		28.2	24.2
064008 Coonabarabran (Showgrounds)		30.1	+2.7	23.8	24.6	26.4	29.5	19.0	22.9	26.0	24.0	25.8	27.5	29.0	28.5	29.0	28.0	33.2	35.9	30.6	31.2	33.0	34.6	36.3	29.8	31.6	29.2	30.5	34.0	36.1	36.6	38.2	38.4
065070 Dubbo Airport AWS		31.5		25.8	26.5	27.4	31.6	20.5	24.3	26.9	25.7	27.5	28.9	32.0	29.4				38.2	30.7	31.6	35.2	38.0	40.0	31.3	25.7	30.5	32.2	36.2	39.3	40.7	39.9	34.7
066214 Sydney (Observatory Hill)		26.1		19.7	22.2	23.9	24.7	15.6	21.6	20.7	21.1	22.6	23.3	25.4	28.6	30.4	26.7	25.7	36.5	25.0	25.4	26.7	27.8	25.6	25.6	25.5	24.6	25.0	28.3	27.1	40.8	40.5	27.3
067105 Richmond RAAF		28.3		20.9	22.4	24.8	30.6	17.2	23.1	22.7	22.1	22.9	26.1	30.1	30.6	28.6	29.2	33.2	38.3	26.6	25.4	29.5	37.7	27.6	27.4	26.9	25.4	26.6	35.3	32.7	39.9	39.4	25.2
068072 Nowra RAN Air Station AWS		26.3		19.0	21.4	23.0	31.9	15.7	20.1	19.3	19.8	22.4	23.6	25.9	28.2	29.7	24.7	28.2	36.3	21.8	23.5	26.9	32.6	23.6	31.3	26.5	23.4	24.7	31.7	32.8	40.4	36.8	22.7
068151 Jersey Bay (Point Perpendicular)		23.4		17.9	20.2	19.9	23.8	15.4	17.4	16.4	17.6	20.0	21.5	22.4	22.3	27.3	21.2	24.8	30.6	19.8	22.3	23.3	26.4	21.2	27.2	25.2	20.3	23.3	27.2	30.4	38.9	35.9	22.2
068241 Albion Park (Shellharbour Airport)		25.2		19.7	21.4	21.0	24.2	16.4	19.5	19.6	20.2	20.8	22.0	23.2	25.8	28.0	24.2	25.6	35.7	22.0	22.8	24.2	27.8	23.9	25.5	27.4	24.1	24.3	28.8	33.8	41.8	39.4	23.3
069018 Moruya Heads Pilot Station		23.0	+2.1	20.5	20.2	19.6	22.0	14.7	18.5	19.7	18.8	19.2	20.0	20.9	27.0	21.2	20.7	24.0	34.5	20.4	21.5	20.5	23.3	21.7	24.0	24.9	21.1	21.2	23.5	30.8	38.5	34.9	21.1
070351 Canberra Airport		25.1		21.3	21.9	24.6	26.8	11.6	19.8	20.2	20.1	22.1	25.1	26.9	22.5	23.9	22.8	27.7	28.0	24.0	25.8	28.6	33.5	29.4	27.3	20.8	23.8	26.1	30.9	31.4	35.5	27.8	23.2
071041 Thredbo Village		20.4		14.5	19.0	23.5	19.0		14.5	14.0		18.0	20.5	22.0	18.0	15.5	19.0	18.0	21.0	18.0	21.5	23.5	26.5	27.0	24.0	14.0		21.8	24.8	27.5	19.0	24.0	
072150 Wagga Wagga AMD		29.2	+3.5	25.1	25.6	27.1	30.5	20.1	22.7	23.5	23.3	26.0	29.4	32.1	25.0	25.4	26.1	34.0	25.3	26.0	29.5	33.9	37.8	36.3	33.2	26.8	28.2	31.0	36.1	37.6	40.3	29.5	29.1
072160 Albury Airport AWS		29.2		25.5	26.8	27.7	23.9	20.4	22.6	22.3	24.1	26.8	29.4	31.4	28.4	24.8	26.7	32.8	28.4	25.1	28.3	32.5	37.4	36.4	35.1	27.4	27.4	31.0	35.2	37.2	41.8	26.6	31.7
072161 Cabramurra SMHEA AWS		17.8		14.0	16.7	18.7	16.9	8.0	11.6	12.7	14.7	17.4	18.4	19.2	14.4	13.2	13.6	21.1	16.9	15.7	18.6	21.3	25.1	25.0	21.7	14.2	16.2	18.2	22.2	23.0	27.5	16.9	20.5
074258 Deniliquin Airport AWS		31.4		27.7	31.0	33.5	26.6	20.4	23.6	23.2	29.1	30.9	35.0	33.5	28.2	22.6	26.3	36.6	29.1	26.4	31.8	37.0	37.7	38.4	37.1	30.6	28.5	33.7	36.9	41.9	44.1	28.3	33.6
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		31.9	+4.4	26.7	31.2	33.8	24.6	21.8	22.9	25.1	29.1	33.9	37.1	32.9	27.9	24.3	29.0	38.2	27.8	27.0	32.9	38.1	35.5	37.7	39.3	29.3	29.5	33.8	38.4	42.8	45.7	27.9	33.2
078015 Nhill Aerodrome		28.4		26.3	31.0	34.2	20.7	19.0	18.1	22.6	27.3	32.3	36.9	26.6	19.5	18.8	25.9	36.4	23.4	25.2	32.5	37.7	30.1	34.0	28.6	25.1	26.5	33.2	29.8	41.1	34.3	23.4	31.6
080023 Kerang		30.4	+4.1	27.7	31.4	33.3	25.6	20.2	22.8	22.9	28.4	31.4	35.4	27.3	26.6	22.4	27.0	34.6	27.7	26.4	31.7	35.6	35.2	36.8	31.6	29.3	28.2	33.8	35.0	42.5	42.0	26.5	32.6
081123 Bendigo Airport		27.0		24.5	29.1	31.8	22.6	17.9	19.2	18.8	25.3	28.6	26.8	22.1	20.3	23.8	31.9	25.9	22.8	2													

Daily and mean minimum temperatures for November 2020

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 Kalbarri	25.2	24.6	25.3	23.3	24.7	24.8	25.2	26.6	25.0	24.0	25.5	25.1	27.1	26.5	26.2	25.0	25.8	20.1	25.6	26.0	26.1	23.6	26.1	23.4	24.6	25.1	26.2	27.0	26.5	24.2	27.4				
002056 Kununurra Aero	25.5	24.7	25.4	23.4	23.2	23.7	24.0	25.8	22.1	23.9	26.0	27.0	27.0	28.2	27.5	27.8	24.7	25.7	24.4	24.7	27.6	22.6	26.6	25.0	24.9	23.4	26.8	28.3	27.6	26.1	26.6				
003003 Broome Airport	26.4	+1.2	23.5	24.9	26.0	27.1	29.2	27.7	25.1	23.5	26.5	27.5	23.4	27.5	29.0	28.4	28.5	26.8	26.9	24.9	25.2	28.0	25.5	26.6	23.7	24.4	28.3	25.0	26.3	28.0	25.6	28.4			
003032 Derby Aero	26.7	25.8	24.5	25.8	26.5	25.1	27.1	20.7	26.7	26.8	25.5	26.2	25.9	26.3	25.9	25.0	28.3	29.0	26.5	26.7	28.4	22.8	24.7	27.1	26.8	27.9	28.5	27.1	29.4	28.7	27.4				
004032 Port Hedland Airport	23.6	+2.3	21.2	22.3	19.7	20.8	23.1	23.1	24.8	23.3	19.5	22.9	21.3	21.5	23.3	24.6	23.4	21.1	22.6	25.2	24.6	25.3	23.2	25.5	25.7	26.9	24.6	26.6	24.4	25.9	24.7	25.4			
004083 Karratha Aero	23.9	22.7	21.9	21.5	22.2	22.6	24.2	23.7	23.1	21.7	21.2	21.0	21.8	23.5	22.5	23.3	22.9	23.3	25.7	23.3	26.1	23.7	24.7	25.8	26.6	24.7	27.2	26.3	26.6	26.6	25.7				
004106 Marble Bar																										24.9	28.0	24.9	24.1	26.1	26.4				
005007 Learmonth Airport	18.6	19.9	17.0	15.7	17.7	20.6	18.1	18.9	17.6	15.2	18.3	15.9	16.1	16.4	16.7	15.4	16.1	18.8	17.6	18.9	21.9	19.5	21.0	20.9	22.6	22.0	22.4	20.6	18.5	19.9	18.3				
006011 Carnarvon Airport	19.3	+0.7	19.7	17.6	16.0	17.7	20.9	21.0	21.2	20.7	20.2	18.4	15.4	16.6	18.1	20.9	18.3	16.2	19.9	19.4	19.9	20.7	19.9	20.1	21.6	21.4	21.7	20.7	19.6	18.0	18.5	19.5			
006044 Denham	18.4	19.1	15.0	16.0	16.5	20.0	20.0	20.8	20.0	19.0	17.5	14.5	14.5	18.5	19.0	19.0	15.0	19.0	19.0	19.0	20.0	19.0	17.5	21.0	21.0	20.7	19.5	19.0	16.5	17.5	18.5				
007176 Newman Aero	22.5	21.9	23.1	18.1	21.3	22.9	21.2	19.3	17.3	21.1	16.7	19.2	20.4	19.4	21.7	22.0	21.7	20.9	23.5	27.2	22.9	28.1	21.9	25.2	22.8	24.1	24.5	25.6	29.7	27.4					
007185 Paraburdoo Aero	21.5	21.2	19.8	17.2	21.9	19.9	21.7	20.9	21.7	21.4	19.3	14.4	16.0	16.3	17.6	18.4	22.0	19.9	20.9	22.1	25.3	23.6	28.2	28.2	21.6	23.6	23.5	22.5	26.9	25.2	24.4				
007045 Meekatharra Airport	20.1	+1.5	20.2	16.1	13.8	17.3	22.2	22.9	19.9	20.5	20.1	14.3	13.2	16.1	16.5	18.7	15.2	15.6	19.6	21.7	21.8	23.1	21.9	22.6	25.7	26.9	26.6	26.0	25.7	18.8	20.9	17.9			
007600 Mount Magnet Aero	17.8	19.1	13.8	12.5	16.8	20.7	20.2	18.0	19.2	17.9	12.3	13.2	12.5	15.4	17.7	14.2	13.2	16.7	19.4	19.2	19.0	18.7	19.4	24.2	26.6	24.2	24.6	18.2	15.3	17.2	14.7				
008296 Morawa Airport	13.2	16.8	12.8	10.4	11.9	15.6	17.3	13.2	13.8	12.8	9.9	8.5	8.4	10.9	14.9	10.8	8.3	13.4	14.2	16.0	14.7	13.1	13.4	18.1	21.0				13.3	12.3	12.0	13.0			
008297 Dalwallinu	12.5	15.1	12.2	10.4	10.7	12.6	15.9	11.5	13.9	10.7	8.8	6.4	7.7	11.0	14.0	9.4	8.3	12.7	13.5	14.3	13.6	12.9	13.7	17.4	19.8	16.4	14.9	11.7	9.6	12.6	11.9				
008315 Geraldton Airport	14.9	15.7	13.2	12.4	12.6	14.3	18.8	17.5	20.3	14.1	13.8	9.5	9.4	13.9	18.3	15.4	9.2	14.0	14.8	17.1	15.4	16.7	14.7	15.1	16.7	17.3	17.8	18.1	16.2	10.4	16.6				
009021 Perth Airport	12.5	-0.3	14.9	13.1	11.4	12.8	13.0	15.8	16.0	13.9	12.5	10.5	7.6	7.4	14.4	13.9	11.0	11.1	13.3	10.6	13.2	12.7	14.7	13.1	16.0	15.0	11.9	11.9	8.3	10.6	13.3				
009131 Jurien Bay	14.5	14.5	12.6	14.9	11.6	14.7	17.4	16.1	16.7	15.8	11.4	12.1	8.3	19.8	14.7	16.0	9.4	12.0	16.9	16.5	13.7	16.5	12.6	13.8	17.0	17.6	13.9	17.6	13.0	11.5	15.7				
009225 Perth Metro	13.5	15.0	13.6	13.0	13.7	13.1	16.0	16.2	14.8	13.1	10.6	9.2	8.0	16.3	14.4	12.6	10.7	11.7	14.5	14.3	14.4	11.1	14.9	14.6	16.8	15.5	13.8	14.0	10.8	11.6	13.6				
009240 Bickley	11.2	12.0	11.1	11.7	9.8	9.0	12.3	12.4				12.1	7.5	7.6	8.2	13.2	11.9	8.6	10.2	10.4	13.5	10.9	12.6	11.1	11.4	14.0	18.6	12.9	12.6	9.6	8.1	11.2	10.3		
009518 Cape Leeuwin	14.3	+0.2	13.1	15.4	14.7	13.8	13.1	14.6	13.9	17.1	15.7	11.5	12.8	12.0	14.7	15.0	12.0	13.5	17.6	15.8	15.1	15.8	15.4	13.7	15.7	17.7	15.2	14.5	14.4	12.6	12.0	10.6			
009617 Bridgetown	8.5	12.8	10.1	11.9	4.9	8.3	11.3	10.8	8.2	10.8	7.5	8.3	6.3	6.3	9.3	8.8	7.3	5.3	11.2	11.3	5.8	10.7	7.1	6.7	7.6	9.0	9.1	8.9	7.5	5.2	5.1	8.8			
009746 Witchcliffe	10.5	10.9	10.8	12.2	9.3	9.5	11.1	11.8	11.8	14.5	9.1	9.3	8.3	8.3	10.9	10.3	10.0	15.3	15.9	9.7	14.0	8.5	10.0	10.2	11.2	10.9	8.7	9.1	7.5	6.9	10.2				
009789 Esperance	13.3	17.5	16.6	13.9	13.5	9.8	9.9	12.5	12.8	15.1	11.8	12.1	11.4	11.2	13.0	11.5	10.0	13.8	13.7	14.0	16.2	15.6	15.1	10.3	16.5	15.1	10.3	16.5	13.0	9.4	15.0				
009965 Bunbury		13.5	12.3	13.0	9.2	12.3	13.8	11.0	10.6	13.9	8.7	9.1											9.4	9.6	10.9	12.9	14.6	12.8	9.3	8.2	9.4	11.5			
009977 Mandurah	15.2	15.4	15.0	15.3	13.5	13.4	16.3	16.6	17.7	16.7	11.4	12.2	11.4	15.8	16.3	13.0	14.2	14.9	18.2	15.5	16.9	14.6	15.2	18.0	20.5	15.6	16.3	14.5	12.7	15.0	13.9				
009999 Albany Airport	10.3	13.7	13.8	12.6	11.5	7.0	12.5	12.9	10.2	10.7	10.1	8.4	7.1	11.7	11.4	8.4	9.5	13.0	13.4	10.4	10.7	10.1	6.5	8.9	10.3	11.1	11.5	8.7	11.5	8.7	5.4	9.1			
010007 Bencubbin	12.9	-0.3	15.9	12.3	11.4	11.4	13.4	15.6	13.4	14.0	13.0	9.1	6.6	8.0	12.0	14.1	9.9	7.3	12.9	13.3	14.4	14.2			14.9	20.5	16.4	16.5	12.5	11.0	12.5				
010092 Merredin	13.0	+0.1	16.1	12.5	12.0	11.5	12.0	17.0	13.5	13.6	13.0	9.4	6.5	7.5	12.0	13.6	9.6	7.6	11.5	13.0	14.1	14.5	16.5	14.1	16.5	20.0	16.0	15.0	14.2	13.8	11.9	11.9			
010286 Cunderdin Airfield	11.0	13.5	12.4	9.6	11.4	11.0	15.4	13.6	10.6	7.8	8.1	4.7	3.4	10.7	13.6	8.3	5.0	9.3	10.1	9.7	13.5	15.2	13.2	12.9	14.0	15.8	14.2	13.0	8.3	9.9	11.5				
010633 Ravensthorpe	11.4	+0.6	14.5	15.0	13.5	9.0	7.0	10.0	12.3	11.5	13.5	9.0	9.0	6.0	11.0	13.5	9.0	8.0	14.0	11.5			14.5	12.8	11.0	10.0	16.8	13.0	10.0	14.5	11.0	8.0	11.0		
010911 Lake Grace																																			
010916 Katanning	9.9	12.9	11.8	11.9	7.9	7.7	10.1	11.3	11.2	10.8	7.0	5.9	6.0	11.4	10.2	6.9	7.4	9.7	10.7	14.1	14.5	9.0	8.1	8.9	12.9	11.3	10.9	9.2	7.5	9.6	9.1				
010917 Wandering	9.1	13.2	10.1	12.6	8.7	8.2	12.5	8.7	8.6	7.8	6.7	3.3	4.3	13.2	9.3	6.3	6.8	7.7	8.8	6.8	12.9	10.0	8.9	9.4	10.1	12.4	11.7	11.0	8.0	4.6	11.1	11.0			
011003 Eucla	15.2	+1.8	13.4	24.7	19.5	14.8	13.3	13.3	13.7	15.4	20.1	14.8	13.8	8.1	14.7	12.0	8.0	11.8	21.9	12.5	15.3	19.1	15.9	15.4	10.9	16.2	16.8	14.6	16.0	13.7	13.8				
011052 Forrest	15.2	15.6	25.6	21.2	13.7	10.7	10.2	12.1	16.6	17.6	18.9	13.7	14.8	10.6	16.0	14.7	9.1	13.4	25.1	11.4	16.5	19.4													

Daily and mean minimum temperatures for November 2020

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	18.8	+3.2	12.9	15.2	15.3	16.4	14.9	8.2	10.7	14.0	16.7	18.8	20.2	18.9	17.0	14.2	19.1	26.0	15.9	13.7	21.9	20.9	22.8	25.8	25.4	17.9	17.8	20.7	24.6	28.9	29.8	19.7	
048245 Bourke Airport AWS	19.9		13.1	17.1	15.6	16.4	19.0	10.5	14.5	15.3	19.9	18.6	19.7	19.1	15.4	15.8	15.3	21.7	20.2	16.0	21.5	24.1	24.5	28.0	25.5	20.2	17.8	22.8	24.8	30.0	31.3	22.3	
049000 Ivanhoe Aerodrome AWS	17.8		12.8	14.7	17.4	19.3	12.1	7.7	10.6	10.1	18.0	22.2	25.3	19.7	14.4	12.8	17.7	23.0	12.4	13.0	17.3	20.6	21.6	27.9	21.2	14.8	17.6	20.4	22.4	30.1	21.6	16.5	
050052 Condobolin Ag Research Stn	14.2	+1.5	8.6	9.4	9.4	12.0	12.9	5.7	7.2	9.7	10.3	14.2	17.5	18.9	14.7	7.4	9.3	22.0	9.6	6.4	17.9	21.4	16.5	23.6	20.0	14.5	12.4	16.4	17.1	27.8	21.2	12.0	
052088 Walgett Airport AWS	17.5		8.7	10.1	11.4	10.4	17.4	7.6	8.7	15.5	17.1	16.1	14.6	20.4	19.4	13.2	12.6	19.5	20.0	13.2	22.4	22.8	21.4	26.4	22.9	16.1	17.1	22.1	20.8	26.9	30.0	20.9	
053115 Moree Aero	17.9		10.8	11.9	14.1	15.7	16.5	8.0	10.9	15.2	13.0	15.5	17.3	19.7	18.5	16.8	16.3	20.7	22.4	18.8	18.9	20.0	22.7	22.5	22.6	18.7	19.1	20.4	22.2	21.9	23.0	24.2	
054038 Narrabri Airport AWS	16.5		9.6	13.1	11.8	10.3	13.8	9.1	8.5	13.8	13.3	10.4	13.1	18.9	18.2	12.5	12.8	15.4	20.8	18.0	16.7	20.9	22.5	20.5	23.3	17.8	18.2	17.8	20.1	24.7	27.3	22.8	
055325 Tamworth Airport AWS	13.3		8.2	9.7	7.3	9.4	12.8	9.6	6.1	9.8	8.3	9.5	10.0	12.4	17.5	12.7	9.7	11.9	17.6	14.9	14.7	14.4	17.2	16.4	21.5	14.3	14.4	13.6	19.4	16.7	18.0	21.2	
056242 Inverell (Raglan St)	11.4		5.9	10.1	6.2	7.4	8.1	5.1	4.1	8.8	9.3	6.5	9.7	11.6	14.9	11.8	8.2	11.9	17.4	15.3	13.3	14.2	13.8	14.2	15.1	15.9	12.6	12.2	14.6	14.4	13.4	16.1	
057095 Tabulam (Muirie)	14.9		13.8	13.9	11.1	13.2	15.2	10.7	12.4	12.2	11.1	11.7		13.4	16.4	13.6	16.4	18.7	21.8	14.8	13.8	13.8	15.8	15.8	14.6	21.1	15.1	14.4	16.3	14.9	17.5	18.5	
058012 Yamba Pilot Station	18.3	+1.1	17.4	16.2	14.5	16.2	16.5	14.4	14.3	16.9	16.1	14.4	17.4	18.3	19.9	19.3	21.1	22.1	22.1	19.4	18.1	19.2	18.8	18.8	19.1	21.6	19.9	18.3	19.9	18.9	19.8	21.2	
060139 Port Macquarie Airport AWS (Comparison)	14.9		10.7	16.1	14.8	12.3	12.8	13.8	10.6	14.4		9.4	10.3	11.1	16.4	20.0	14.4	12.4	18.3	20.4	10.1	13.7	15.3	15.7	17.4	19.2	18.4	14.4	12.5	14.3	18.0	20.0	20.5
061078 Williamtown RAAF	15.5	+1.3	12.3	14.9	11.9	9.9	15.6	13.1	11.4	13.7	10.4	8.4	10.1	16.4	19.0	15.8	13.4	17.0	19.4	18.3	16.3	15.3	19.4	17.1	20.3	17.5	14.1	14.7	19.9	18.8	22.4	17.7	
061363 Scone Airport AWS	12.9		9.1	10.0	7.1	7.4	13.6	11.5	7.7	11.7	6.3	6.7	8.6	12.2	17.7	12.4	9.3	11.2	19.1	12.0	10.9	14.9	18.3	15.4	20.2	13.2	11.0	12.1	18.9	16.8	23.7	18.7	
062101 Mudgee Airport AWS	11.9		5.3	4.8	5.9	6.7	14.8	5.1	5.6	11.8	8.3	6.8	7.7	13.3	16.6	9.3	8.4	10.8	14.2	16.7	12.4	13.8	18.4	16.2	18.6	10.0	13.0	11.2	18.0	14.9	21.5	16.1	
063005 Bathurst Agricultural Station	9.8	+1.5	7.0	4.2	4.0	6.3	12.0	7.0	8.3	6.5	4.9	5.5	6.7	12.5	14.8	6.1	5.0	10.2	9.5	10.0		12.5	14.5	13.0	16.0	9.0	10.7	10.5	14.5	13.5	18.0	11.0	
063254 Orange Agricultural Institute			4.5	5.6	8.1	10.0	5.5				4.6	6.5	9.4	15.0	13.6	8.0		8.5	9.5	9.2	9.9	16.6			15.0	9.3	10.2	11.6	13.8			9.3	
064008 Coonabarabran (Showgrounds)	12.3	+1.3	6.0	9.0	5.9	6.3	12.0	6.5	5.6	10.4	8.8	7.0	8.4	13.5	16.0	10.6	11.4	10.3	17.6	11.7	12.6	14.5	15.3	18.8	19.2	11.4	12.2	12.0	14.5	16.8	26.0	18.5	
065070 Dubbo Airport AWS	14.6		7.4	9.0	10.4	11.6	13.5	6.2	7.5	12.3	9.9	12.0	14.2	18.3	16.5				13.7	13.8	15.4	18.6	19.0	20.2	21.8	14.8	15.4	15.6	18.9	19.6	21.5	17.3	
066214 Inverell (Observatory Hill)	16.8		14.5	13.8	13.2	13.7	15.5	12.4	12.6	14.7	13.9	13.5	14.4	17.6	19.0	16.8	16.5	18.9	18.4	16.6	15.8	18.2	18.5	17.8	20.7	18.0	17.7	17.3	18.6	20.1	25.3	18.7	
067105 Richmond RAAF	14.6		12.7	11.9	9.7	10.2	15.8	12.2	10.3	13.4	13.2	8.7	11.3	15.2	18.2	12.8	12.4	15.1	17.4	16.3	13.3	15.9	15.4	15.9	19.4	14.0	16.3	13.9	18.6	18.0	24.9	16.6	
068072 Nowra RAN Air Station AWS	14.2		12.7	13.1	10.2	11.7	10.6	10.1	11.9	12.1	12.3	9.1	10.2	14.4	17.4	14.6	12.9	18.2	16.8	15.6	11.6	15.3	15.4	16.2	18.6	15.2	15.9	15.1	14.4	18.5	21.5	15.0	
068151 Jervis Bay (Point Perpendicular)	16.1		14.2	15.0	12.9	14.8	12.0	11.8	13.4	14.0	12.9	13.1	15.2	18.1	17.8	16.9	14.8	20.0	17.2	16.5	15.9	18.2	17.0	17.1	18.7	17.4	16.6	17.0	17.3	18.8	20.3	17.0	
068241 Albion Park (Shellharbour Airport)	14.3		13.5	15.2	9.3	9.7	13.1	12.2	11.1	12.4	12.3	9.3	10.6	14.1	17.8	16.9	11.6	17.9	15.3	15.6	11.7	14.9	14.9	14.4	19.3	17.0	15.9	13.6	14.3	17.2	24.5	16.4	
069018 Moruya Heads Pilot Station	14.8	+2.0	13.6	11.8	11.6	11.9	10.8	8.9	13.5	10.4	12.7	11.3	11.3	17.0	17.6	15.8	15.5	19.8	16.2	15.0	14.2	16.6	15.4	17.6	19.2	14.0	16.7	16.9	16.6	16.5	20.3	16.3	
070351 Canberra Airport	10.4		10.7	5.4	8.7	7.8	9.0	4.0	6.8	4.8	10.7	7.4	7.8	16.0	12.8	8.5	6.8	13.8	5.5	10.8	9.2	11.4	11.0	14.3	15.7	10.0	13.9	11.5	13.3	14.9	16.8	13.6	
071041 Thredbo Village	5.9		5.5	0.5	3.0	6.0	1.0	2.0	-0.5			3.0	4.0	3.0	11.0	5.5	9.5	8.0	4.0	6.5	5.5	11.5	5.0	11.3	13.0	2.2	8.0	11.0	16.5	2.0			
072150 Wagga Wagga AMD	13.3	+2.9	8.0	10.9	11.5	11.8	10.4	6.1	5.2	11.1	12.5	10.5	14.9	17.9	13.5	7.5	8.9	19.6	9.7	11.7	13.4	16.7	18.8	22.4	18.7	12.2	12.4	15.2	18.0	19.3	19.4	10.4	
072160 Albury Airport AWS	13.3		12.0	10.9	13.0	13.2	12.3	6.5	6.7	8.3	9.8	11.1	13.0	17.3	13.1	9.2	10.5	18.6	8.8	9.5	12.4	14.3	16.2	21.9	18.8	12.3	13.0	16.4	15.7	18.4	22.0	12.7	
072161 Cabramurra SMHEA AWS	9.0		4.9	6.7	9.5	11.5	1.0	1.2	2.7	1.5	6.3	8.8	12.1	11.9	9.2	4.2	7.3	13.4	5.8	6.4	10.8	15.9	12.5	17.1	11.4	7.6	8.2	12.2	12.5	16.0	14.8	5.7	
074258 Deniliquin Airport AWS	12.9		8.2	7.5	11.6	18.9	8.6	4.5	5.2	6.7	12.8	14.4	20.6	17.4	10.1	7.4	12.9	19.2	6.2	7.7	14.3	14.0	13.6	23.3	18.6	9.4	10.8	17.0	12.8	21.5	19.0	10.6	
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	15.2	+2.6	9.9	11.7	16.7	22.4	9.2	7.6	9.1	8.5	13.7	23.0	23.3	15.1	11.2	9.2	15.8	16.7	8.6	11.4	15.4	15.5	18.3	21.9	18.6	12.6	14.9	18.1	21.0	24.4	16.3	14.5	
078015 Nhill Aerodrome	12.1		4.8	10.7	17.5	15.0	5.7	4.8	7.9	6.1	12.1	18.2	19.5	14.4	10.5	8.6	12.9	13.4	6.4	11.4	18.1	12.3	14.4	16.8	15.9	8.7	11.3	12.0	13.2	17.0	12.9	9.8	
080023 Kerang	13.9	+2.6	9.7	10.0	14.2	20.8	9.0	5.9	8.0	5.9	14.4	18.3	23.3	14.2	10.0	9.0	14.8	16.9	8.6	11.4	16.1	15.4	14.3	15.1	19.5	11.2	13.2	16.9	13.5	21.7	17.5	10.8	
081123 Bendigo Airport	11.9		8.8	8.1	12.5	14.9	8.5	5.5	8.9	5.4	11.2	14.2	16.9	15.4	9.4	7.7	9.6	17.9	7.9	9.4	13.4	12.1	13.9	21.0	16.3	9.2	10.0	14.5	10.9	19.3	15.0	10.0	
082038 Rutherglen Research	9.9	+1.7	5.9	7.7	8.9	10.1	9.3	1.6	6.6	2.9	5.7	7.3	14.0	17.2	10.0	4.3	5.5	20.0	4.2	4.4	8.1	10.0	9.3	20.4	17.7	9.7	9.2	12.1	9.3	17.9	20.9	7.1	
083085 Mount Hotham			1.2	2.7	7.9	8.8	-2.7	-3.7	-2.5	-2.3	4.4	6.5	9.5	8.3	4.2	2.1	3.2	11.1	1.9	2.8	9.2	12.3	8.6	13.7	9.2								
084016 Gabo Island Lighthouse	15.0	+2.0	15.7	13.0	15.0	15.7	12.9	10.3	11.2		14.0	15.2	16.3	17.4	14.6	14.6	13.1	18.1	13.5	11.0	16.7	17.3	15.4	17.7	17.6	14.0	13.9	15.0	14.4	18.3	18.1	13.8	
084145 Orbost	12.8				10.6		10.2	8.4	9.8	6.1	8.0	11.0	15.8	17.8	11.6	13.0	9.7	19.6	10.2	8.3	11.9	17.2		17.0	17.4	13.3	13.9	15.1	11.1	19.0	16.5	11.4	
085072 East Sale	11.5	+1.8	9.5	9.5	8.3	13.1	10.1	7.5	8.7	7.4	7.7	8.4	1																				

Daily and total rainfall for November 2020

	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						
New South Wales																																						
046043 Wilcannia (Reid St)	6.2	17	-	-	-	-	1.8	-	-	-	-	-	-	4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
048027 Cobar MO	5.4	32	-	-	-	-	0.8	-	-	-	-	-	-	1.0	-	-	-	-	-	-	-	-	3.2	0.4	-	-	-	-	-	-	-	-	-	-	-			
048245 Bourke Airport AWS	8.6	0.2	-	-	-	-	-	-	-	-	-	-	-	5.4	-	-	-	-	-	-	-	0.2	-	-	2.8	-	-	-	-	-	-	-	-	-	-			
049000 Ivanhoe Aerodrome AWS	11.2	-	-	-	-	-	1.0	-	-	-	-	-	-	7.6	-	-	-	-	-	-	-	-	-	0.8	1.4	-	-	-	-	-	-	0.4	-	-	-			
050052 Condobolin Ag Research Stn	38.1	38	7.0	0.1	-	-	2.4	-	-	-	-	-	-	0.2	1.2	-	-	-	-	-	-	-	-	5.0	3.2	-	-	-	-	-	-	-	19.0	-	-			
052088 Walgett Airport AWS	5.8	-	-	-	-	-	-	-	-	-	-	-	-	5.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
053115 Moree Aero	0.2	-	-	-	-	-	-	-	-	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
054038 Narrabri Airport AWS	7.0	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	5.0	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	
055325 Tamworth Airport AWS	3.0	-	-	-	-	-	0.8	0.2	-	-	-	-	-	1.8	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
056242 Inverell (Raglan St)	23.2	-	-	-	-	-	-	-	-	-	-	-	-	2.8	0.4	-	-	-	-	-	-	-	-	19.6	0.4	-	-	-	-	-	-	-	-	-	-	-	-	
057095 Tabulam (Muirne)	10.0	-	-	-	-	-	-	2.4	0.4	-	-	-	-	3.2	-	-	-	-	-	0.6	-	-	-	-	-	3.4	-	-	-	-	-	-	-	-	-	-	-	
058012 Yamba Pilot Station	19.6	110	8.2	-	0.4	-	-	3.0	-	1.6	0.8	2.0	-	-	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
060139 Port Macquarie Airport AWS (Comparison)	14.2	0.4	-	1.0	-	-	4.6	-	0.8	-	-	-	-	0.2	5.2	-	-	-	0.2	-	-	-	-	0.6	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-
061078 Williamtown RAAF	58.2	79	0.2	3.2	-	-	30.2	-	0.4	-	-	-	-	4.4	13.6	-	-	5.8	-	-	-	-	-	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-
061363 Scone Airport AWS	23.6	0.2	1.8	-	-	-	7.0	0.2	-	-	-	-	-	-	13.2	-	-	-	-	-	-	-	0.6	0.2	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-
062101 Mudgee Airport AWS	52.6	-	0.2	-	-	9.4	0.2	-	-	-	-	-	-	14.4	18.8	0.2	-	-	-	-	-	-	-	0.8	8.4	-	-	-	-	-	-	-	-	0.2	-	-	-	
063005 Bathurst Agricultural Station	44.8	58	7.2	0.2	-	4.8	3.0	-	-	-	-	»	»	0.2	9.6	2.2	-	-	-	-	-	-	-	2.8	8.6	-	-	-	-	-	-	-	6.2	-	-	-	-	
063254 Orange Agricultural Institute	35.4	71	»	1.0	0.2	-	7.6	1.0	-	-	-	-	-	8.4	1.6	-	-	-	-	-	0.2	»	»	3.2	12.2	-	-	-	-	-	-	-	-	-	-	-	-	-
064008 Coonabarabran (Showgrounds)	13.9	69	0.4	-	-	-	3.0	-	-	-	-	-	-	7.6	0.4	-	-	1.0	-	-	-	-	0.5	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
065070 Dubbo Airport AWS	12.6	0.6	-	-	-	7.8	-	-	-	-	-	-	-	0.4	-	-	-	-	-	-	-	-	-	0.2	2.2	-	-	-	-	-	-	-	-	1.4	-	-	-	
066214 Sydney (Observatory Hill)	69.0	14.8	19.0	0.2	-	2.8	23.0	-	1.2	0.2	-	-	-	3.2	-	-	-	-	0.4	-	-	-	2.6	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	
067105 Richmond RAAF	54.8	18.0	0.2	-	-	3.0	18.4	-	-	-	-	-	-	1.0	0.6	0.2	-	-	2.8	0.2	-	6.8	0.6	2.0	-	0.4	0.2	-	-	-	-	-	-	0.4	-	-	-	
068072 Nowra RAN Air Station AWS	114.0	56.6	3.0	0.2	-	25.8	8.6	-	0.2	-	-	-	-	3.4	-	0.2	-	-	-	-	-	-	-	12.6	1.8	0.4	0.6	-	-	-	-	0.2	0.4	-	-	-	-	
068151 Jarvis Bay (Point Perpendicular)	68.2	13.8	3.6	-	-	22.8	13.0	0.4	-	0.2	-	-	-	4.0	-	-	-	-	-	-	-	-	-	7.6	1.4	1.4	-	-	-	-	-	-	-	-	-	-	-	
068241 Albion Park (Shellharbour Airport)	59.0	20.6	5.8	-	-	14.0	8.0	-	-	-	-	-	-	0.8	3.8	-	-	-	-	-	-	-	5.0	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
069018 Moruya Heads Pilot Station	88.0	104	44.8	0.2	-	25.2	2.0	-	-	-	-	-	-	1.0	0.2	-	-	-	-	-	-	-	4.8	8.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
070351 Canberra Airport	93.0	21.4	-	-	-	17.8	3.4	0.2	-	-	-	-	-	4.2	-	-	-	-	-	-	-	-	30.0	12.6	-	-	-	-	-	-	-	-	-	-	3.4	-	-	
071041 Thredbo Village	67.3	8.0	-	0.1	-	15.0	0.5	-	0.1	0.1	0.1	1.6	4.4	-	-	0.2	6.6	-	-	-	-	-	11.8	14.4	-	-	-	-	-	-	-	-	-	4.4	-	-	-	
072150 Wagga Wagga AMD	65.2	41	»	17.8	-	3.0	0.8	-	-	-	-	-	-	1.0	14.0	»	»	-	-	-	-	»	»	18.6	4.8	-	-	-	-	-	-	-	»	»	5.2	-	-	
072160 Albury Airport AWS	38.0	14.2	0.2	-	-	0.2	0.2	-	-	-	-	-	-	6.8	-	-	0.4	-	-	-	-	-	-	4.8	11.2	-	-	-	-	-	-	-	-	-	-	-	-	
072161 Cabramurra SMHEA AWS	76.4	9.6	-	-	-	10.4	1.8	-	-	-	-	-	-	0.6	15.2	-	-	-	2.2	-	-	-	-	10.2	21.2	-	-	-	-	-	-	-	-	5.2	-	-	-	
073054 Wyalong Post Office	30.0	41	2.0	-	-	-	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.0	11.2	-	-	-	-	-	-	-	6.0	-	-	-	-		
074258 Deniliquin Airport AWS	8.8	-	-	-	-	-	-	-	-	-	-	-	-	5.4	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	
Victoria																																						
076031 Mildura Airport	5.2	22	-	-	-	-	-	-	-	-	-	0.8	-	-	-	-	-	-	-	-	-	-	4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
077008 Birchip (Woodlands)	18.8	25	-	-	-	-	-	-	-	-	-	-	»	8.6	-	-	-	-	-	-	-	-	10.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
078015 Nhill Aerodrome	11.8	-	-	-	-	0.2	-	-	-	-	-	4.6	2.2	-	-	-	-	-	-	-	-	1.6	3.0	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	
080023 Kerang	11.8	30	-	-	-	0.2	-	-	-	-	-	-	-	7.8	-	-	-	-	-	-	-	-	2.6	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	
081123 Bendigo Airport	33.8	-	-	-	-	-	-	-	-	-	-	0.6	21.0	-	-	-	-	-	-	-	-	-	12.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
082039 Rutherglen Research	22.2	42	2.2	0.2	-	-	-	-	-	-	-	0.2	0.6	-	-	-	-	0.2	-	-	-	-	5.0	13.8	-	-	-	-	-	-	-	-	-	-	-	-	-	
083085 Mount Hotham	46.8	3.4	-	-	-	13.6	-	-	-	-	-	-	9.2	2.6	-	-	0.4	-	-	-	-	-	17.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
084016 Gabo Island Lighthouse	33.0	86	-	-	-	3.0	5.2	0.4	-	-	-	-	-	1.2	1.8	-	-	-	-	-	-	1.0	14.0	-	-	-	-	-	-	-	-	-	-	-	-	6.4	-	
084145 Orbost	35.8	-	-	-	-	9.8	0.8	1.8	0.2	-	-	-	0.2	0.2	1.8	-	-	-	-	-	-	-	2.0	14.6	-	-	-	-	-	-	0.2	4.2	-	-	-	-	-	
085072 East Sale	33.0	59	-	-	-	0.2	-	0.2	-	-	-	-	-	7.2	0.2	-	-	-	-	-	-	-	18.6	3.8	-	-	-	-	-	-	-	-	-	-	2.8	-	-	
085096 Wilsons Promontory Lighthouse	23.6	66	-	-	-	2.8	1.8	-	-	-	-	-	1.8	3.8	0.2	-	-	-	-	-	-	-	4.6	0.4	-	-	-	-	-	-	0.2	8.0	-	-	-	-		
087031 Laverton RAAF	55.8	49	-	-	-	2.6	-																															