

Monthly Weather Review

Queensland

November 2008



Australian Government
Bureau of Meteorology

The *Monthly Weather Review - Queensland* is produced twelve times each year by the Australian Bureau of Meteorology's Queensland Climate Services Centre.

It is intended to provide a concise but informative overview of the temperatures, rainfall and significant weather events in Queensland 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. Major discrepancies will be noted in later issues.

We are keen to ensure that the *Monthly Weather Review* is appropriate to the needs of its readers. If you have any comments or suggestions, please do not hesitate to contact us:

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You may also wish to visit the Bureau's home page, <http://www.bom.gov.au>.

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 Queensland 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.

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 all available years of record, which vary widely from site to site. They are not shown for sites with less than 10 years of record, as they cannot then be calculated reliably. Climatological extremes are generally taken from available observations from all available years of record. The number of years can vary substantially from site to site.

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Cover photograph

A severe supercell thunderstorm with lightning and a rotating wall cloud, viewed from the Bureau of Meteorology's CP2 research radar at Redbank Plains.

Photograph by Scott Collis, 4:30 pm, 21 October 2008. Used with permission.

Overview

- Severe thunderstorms across the southeast
- Slightly warmer than average temperatures across Queensland

Severe thunderstorms caused significant damage to the greater Brisbane area during the month. The accompanying rainfall broke some long term records. Several stations recorded their highest daily and highest monthly rainfall for many years.

Maximum temperatures across Queensland were generally higher than average except for the far west, and southern border. Minimum temperatures were mostly within 1 to 2 degrees of the long term average.

Extremes in November 2008

Hottest day <i>(Highest daily maximum temperature)</i>
43.6 °C at Longreach Aero on the 7th
Warmest days on average <i>(Highest mean daily maximum temperature)</i>
39.5 °C at Century Mine
Coollest days on average <i>(Lowest mean daily maximum temperature)</i>
24.0 °C at Applethorpe
Coldest day <i>(Lowest daily maximum temperature)</i>
14.8 °C at Applethorpe on the 17th
Coldest night <i>(Lowest daily minimum temperature)</i>
5.0 °C at Stanthorpe Leslie Parade on the 23rd
Coollest nights on average <i>(Lowest mean daily minimum temperature)</i>
12.9 °C at Applethorpe
Warmest nights on average <i>(Highest mean daily minimum temperature)</i>
27.4 °C at Sweets Island
Warmest night <i>(Highest daily minimum temperature)</i>
32.6 °C at Bedourie Police Station on the 28th
Wettest overall <i>(Highest total rainfall)</i>
533 mm at Upper Springbrook Alert
Wettest day <i>(Highest daily rainfall)</i>
250 mm at Rosewood Walloon Rd on the 20th
Highest wind gust
100 km/h at Toowoomba Airport on the 20th

Significant weather

Severe Thunderstorms

Some of the November severe thunderstorm reports and recorded wind gusts are listed below, along with links to more detailed reports:

16th November 2008

Severe thunderstorms caused very extensive damage in many Brisbane suburbs. The main suburbs affected were The Gap, Keperra, Arana Hills and Ferny Grove.

Some reports of hail and damage are listed below:

- Golf ball sized hail accompanied by strong winds at Winglepong around 2:30pm;
- Large trees uprooted and small hail at Yatala around 3:30pm;
- 3 to 4 cm hail at Mt Tamborine at around 4:08pm;
- Marble to golf ball sized hail and flooded paddocks about the Gold Coast Hinterland;
- 2 to 3 cm hail and trees uprooted at Ferny Hills and Ferny Grove at about 5:30pm;
- Roofs uplifted from houses in The Gap, Albany Creek and Ferny Grove areas;
- A tree through the roof of the Ferny Grove police station.

There was extensive damage to structures at The Gap. A more detailed report can be obtained by contacting us.

19th November 2008

Heavy rainfall from severe thunderstorms resulting in flash flooding in the Laidley, Rosewood and Ipswich areas during the evening. There were reports of hail about 3 cm in diameter in the Toowoomba area.

A more detailed report can be obtained by contacting us.

20th November 2008

- A severe thunderstorm passed over Blackwater at around 6-7pm with reports of cricket ball sized hail, along with around 100 houses damaged, 20 houses unroofed, about 40 caravans and cabins damaged and trees uprooted.
- Toowoomba recorded a maximum wind gust of 100 km/h at 5:57pm during a severe thunderstorm.

Within the greater Brisbane area:

- 2 to 3 cm hail was reported from Kelvin Grove, Manly, Kippa-Ring and Shailer Park;
- Scarborough Hotel at Redcliffe sustained roof damage and five Norfolk pines were blown over in the area.

Strong Winds

Some of the strongest wind gusts were:

- 93 km/h at Georgetown on the 8th;
- 96 km/h at Archerfield Airport on the 29th;
- 100 km/h at Toowoomba Airport on the 20th.

Flooding

Intense rainfall occurred overnight on the 19th across southeast Queensland, particularly around Ipswich and the Lockyer Valley areas. Flash flooding occurred overnight, while riverine flooding occurred in the Bremer River, the Lockyer, Warrill and Laidley Creeks the following day.

Synoptic summary

At the start of the month, a high pressure system situated to the northeast of New Zealand extended a ridge along the east tropical coast, which directed moist south easterly winds onto the east coast of Queensland and brought showers north of Bowen and over western Cape York Peninsula. On the 2nd and 3rd isolated showers along the east coast continued from about Cairns to northern Cape York Peninsula. It remained cloudy over southern districts and the southwest and southern interior experienced some thunderstorm activity.

Isolated showers and thunderstorms developed over the southeast on the 4th and 5th to the east of a surface trough located from the northwest to southeast of the state. Isolated showers and thunderstorms continued on the 6th and 7th over eastern districts and the tropics as the trough moved east. On the 8th, a rain band located over western and southern Queensland moved eastwards, reaching the southeast coast later in the day. Patchy rain, showers and scattered thunderstorm activity occurred over eastern districts. The rain band then contracted to northern areas by late the next morning.

A surface trough was located from Kowanyama to Charters Towers to the coast near Cairns on the 9th, bringing isolated showers and thunderstorms north and east of the trough, and also over east coast districts south of the central coast.

By the 10th a low pressure system offshore from Point Danger assisted in pushing south to south westerly winds over southern coastal waters, producing strong winds from Cardwell to Double Island Point and gale force winds from Double Island Point to Point Danger. A surface trough located in the Coral Sea connected to a low pressure system well off the coast, which increased wind strength and shower activity about the southeast. Around the 12th, a weakening high pressure system located over the southern Tasman Sea and a low pressure system offshore from Cape Moreton directed moist onshore air along the coast, resulting in some showers south of about Sandy Cape. The remains of the low pressure system became a broad area of low pressure and eased the south easterly trade winds.

On the 14th a surface trough extended across the southwest and linked to a weak low pressure system and cold front off the New South Wales coast. Showers and thunderstorms developed over the far southwest of the state to the east of the trough. By the 16th the trough extended from the Lower Carpentaria to the Darling Downs. Severe thunderstorms developed over the southeast of the state, as the influence of the surface trough combined with a vigorous south easterly wind change and favourable conditions in the upper atmosphere. Amidst the severe thunderstorm

activity, a destructive microburst developed over the suburb of The Gap in northwest Brisbane.

A ridge extending from the New South Wales coast to north of Fraser Island caused strong winds to develop south of Sandy Cape on the 17th.

On the 19th a surface trough extended from the Lower Carpentaria to the southwest of the state. Showers and thunderstorms developed to the east of the surface trough during the afternoon and a rain band associated with an upper trough merged with this activity to form one large rain band with scattered thunderstorms stretching from the Gulf Country to the southeast. Heavy rain and thunderstorms occurred over the greater Brisbane area. Again on the 20th, thunderstorms generated high intensity rainfall and strong wind gusts from Toowoomba to the Brisbane area. The shower and thunderstorm activity continued on the 21st over north eastern districts, but eased in the southeast as the surface trough moved off the coast.

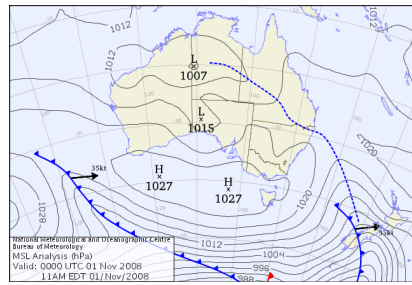
A low pressure system was located off the southern New South Wales coast around the 22nd, with a trough extending from the low, over southeast Queensland and across the state into the central Northern Territory. Showers and thunderstorms developed over north western districts and the tropics until the 26th, due to moist and unstable northerly winds directed over the interior of the state.

A significant surface trough featured in the far west of the state during the 28th, then moved eastward to approach the southeast by the 29th. In association with an upper level system, the trough brought widespread rain and storms over east coast districts south of about St Lawrence.

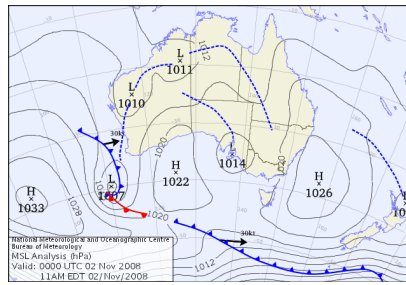
By the end of the month a high pressure system was located over southwest Queensland, directing a dry southwest to south easterly airstream over the southern half of the state, while a weak trough lay over the tropics.

Daily mean sea level pressure analyses

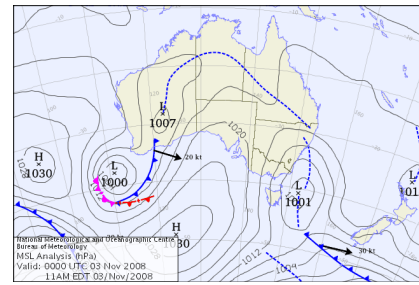
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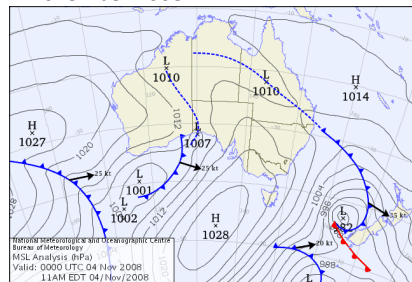
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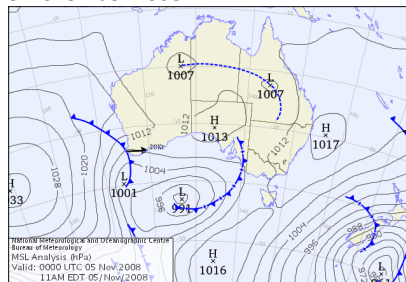
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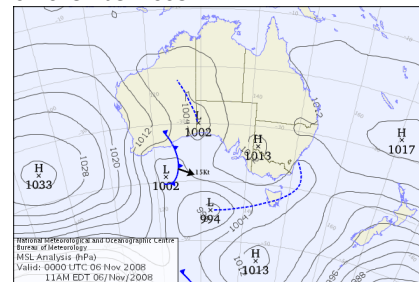
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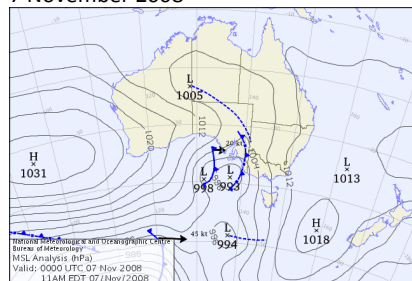
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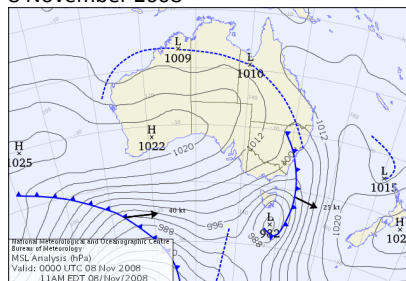
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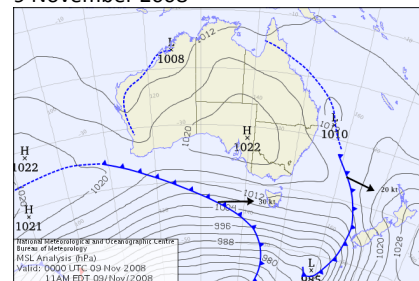
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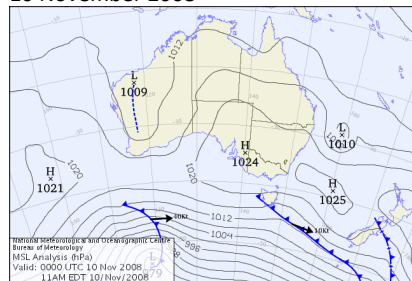
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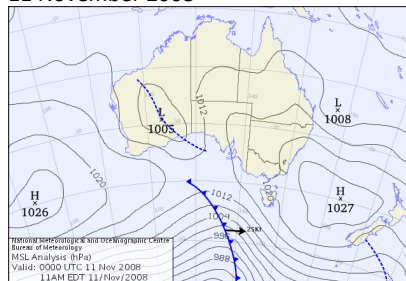
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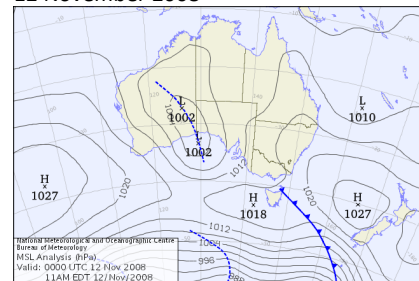
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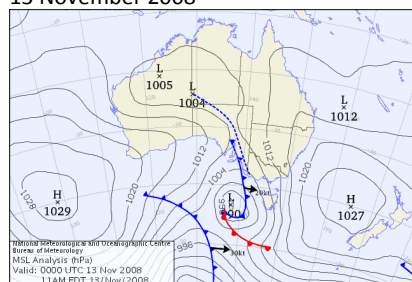
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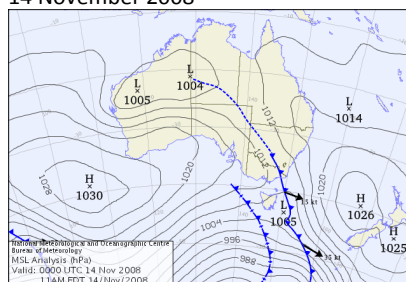
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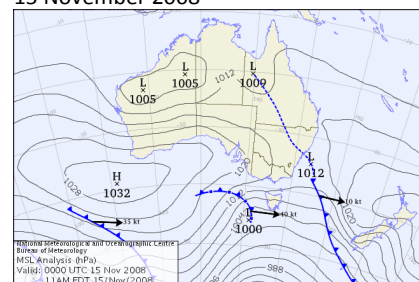
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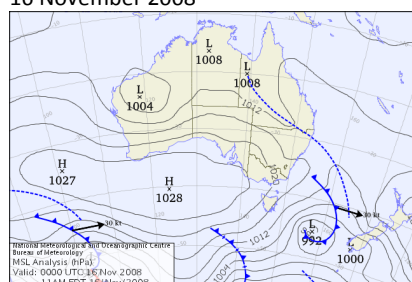
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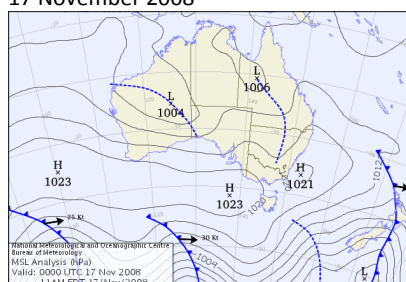
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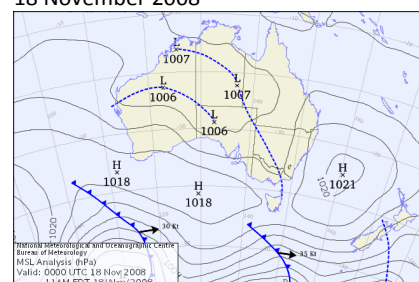
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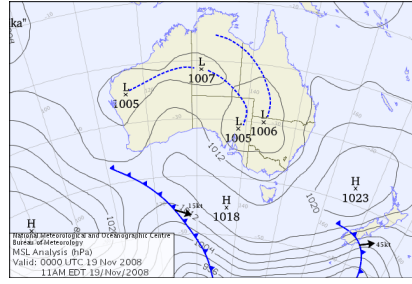
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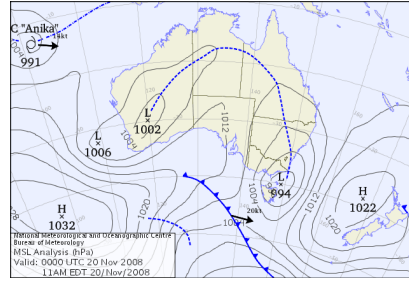
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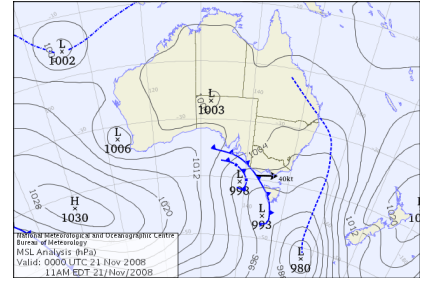
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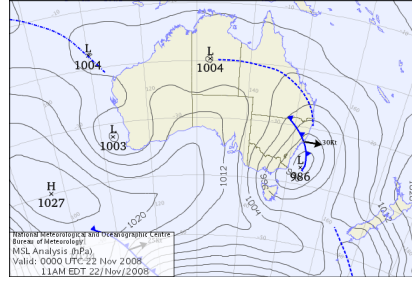
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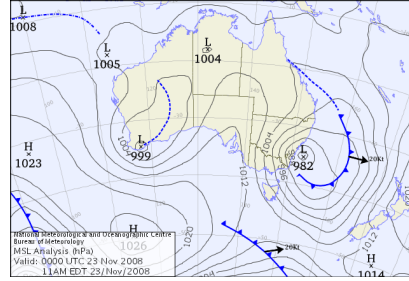
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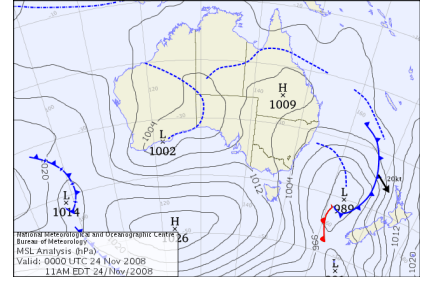
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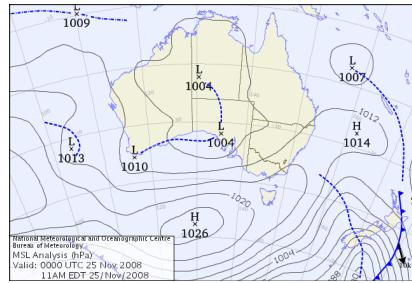
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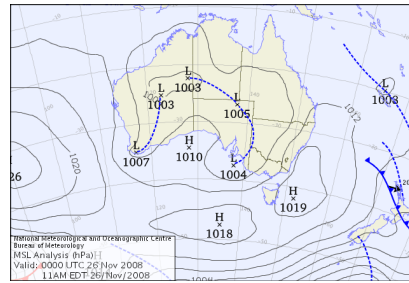
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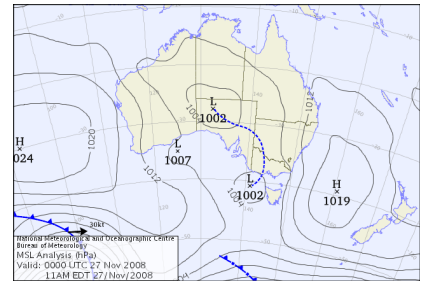
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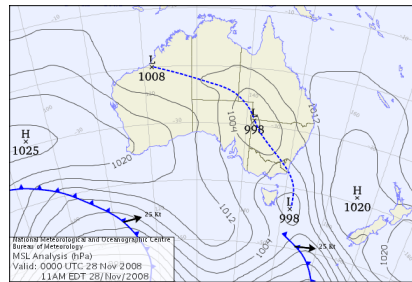
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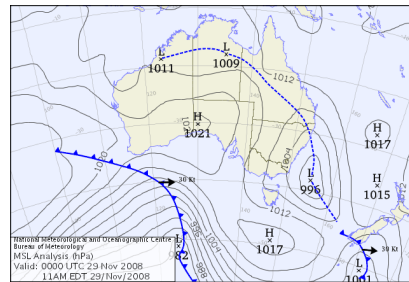
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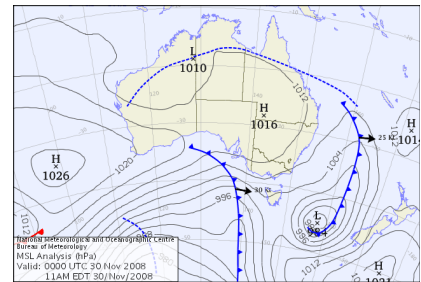
28 November 2008



29 November 2008



30 November 2008



Temperatures

The mean temperature for Queensland in November 2008 was 28.0 °C, which is 0.87 °C above the long term average. The mean maximum temperature was 34.7 °C (+0.56 °C) and the mean minimum temperature was 21.29 °C (+1.18 °C).

Maximum temperatures were below average across the far west and along the southern border of the state, and also about the Gulf Country. However, the far northern districts, the Central Coast and adjacent inland, and areas of the Capricorn Coast and Wide Bay and Burnett region were 1 to 2 °C above average.

Minimum temperatures were generally within 1 °C of the long term average over the entire state.

Record highest November mean minimum temperature

	New record	Old record	Years of record
Innisfail	23.0 =	23.0 in 2001	100
Cairns Aero	23.8	23.5 in 1987	66
Low Isles Lighthouse	25.6	25.5 in 1976	41
Walkamin DPI	20.0	19.8 in 1988	40

New temperature records

Record highest November daily maximum temperature

	New record	Old record	Years of record
Mackay M.O	36.3 on the 23rd	34.9 on the 8th in 1994	50
Low Isles Lighthouse	37.0 on the 23rd	35.9 on the 22nd in 2001	41

Record highest November mean maximum temperature

	New record	Old record	Years of record
Collinsville Post Office	35.2	35.1 in 2005	50
Low Isles Lighthouse	33.8	33.1 in 1995	40
Musgrave	37.3	37.1 in 1995	38
Bundaberg Aero	30.0	29.8 in 1994	30

Record highest November daily minimum temperature

	New record	Old record	Years of record
Amberley AMO	23.7 on the 29th = 23.7	on the 25th in 1957	68
Camooweal Township	30.6 on the 22nd	30.2 on the 13th in 2004	68
Lady Elliot Island	25.7 on the 22nd	25.6 on the 24th in 1957	51
Double Island Point Lighthouse	24.2 on the 22nd	23.9 on the 25th in 1971	48
Low Isles Lighthouse	27.7 on the 28th	27.5 on the 30th in 1988	42
Brigalow Research Stn	26.3 on the 6th	25.6 on the 25th in 1971	41
Walkamin DPI	24.7 on the 23rd	24.1 on the 12th in 1984	41
Bundaberg Aero	24.7 on the 22nd	24.6 on the 25th in 1992	31

Maximum temperatures

Mean maximum temperatures were 2 to 3 °C above average in parts of the northern districts and areas of the Central Coast and adjacent inland. Parts of the Wide Bay and Capricorn Coast districts were 1 to 2 °C above average, while much of the central districts were within 1 °C of average. The far south west, and districts along the southern border were below average, due to the rainfall that fell over these areas during the month.

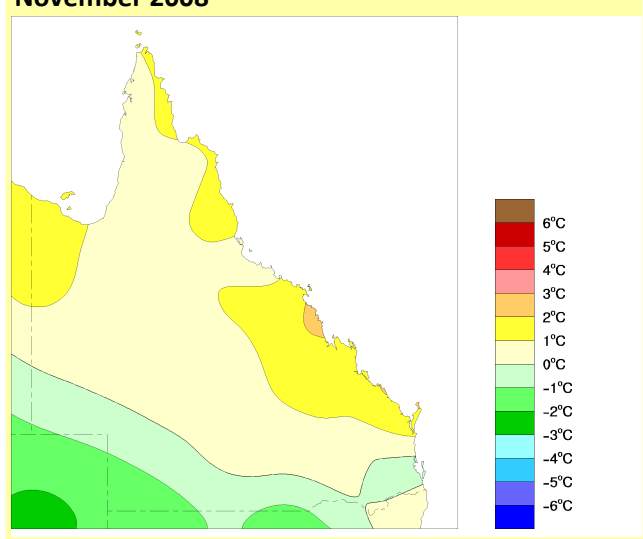
The hottest day was 43.6 °C at Longreach Aero on the 7th, then 43.4 °C at Birdsville Airport on the 14th, followed by 43.3 °C at Bedourie Police Station on the 1st.

The warmest days on average were 39.5 °C at Century Mine, then 39.3 °C at Julia Creek Airport, followed by 39.1 °C at Camooweal Township.

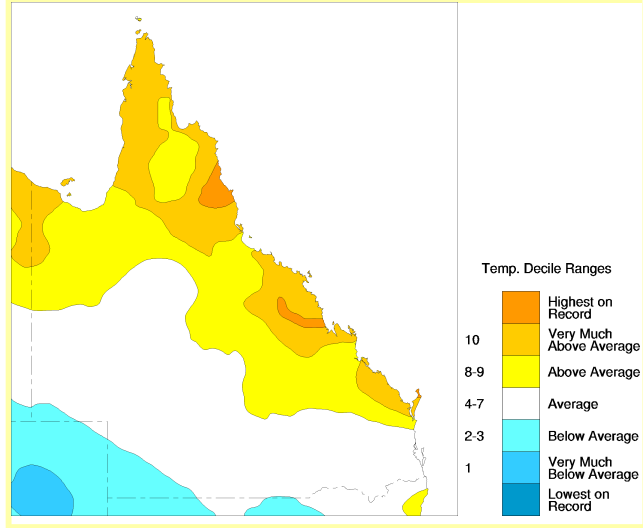
The coolest day was 14.8 °C at Applethorpe followed by 15.4 °C at Stanthorpe Leslie Parade, both on the 17th, and then 17.1 °C at Applethorpe on the 23rd.

The coolest days on average were 24.0 °C at Applethorpe and then 24.3 °C at Stanthorpe Leslie Parade, followed by 25.5 °C at both Cape Moreton Lighthouse and Maleny Tamarind St.

Anomalies of mean daily maximum temperature in November 2008



Decile rank of mean daily maximum temperature in November 2008



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.

Minimum temperatures

Mean minimum temperatures were mainly 1 to 2 °C above average over the western and northern districts, and also over the southern quarter of the state. The remainder of the state, namely the central interior and the Central Coast districts, were within a degree of the long term average.

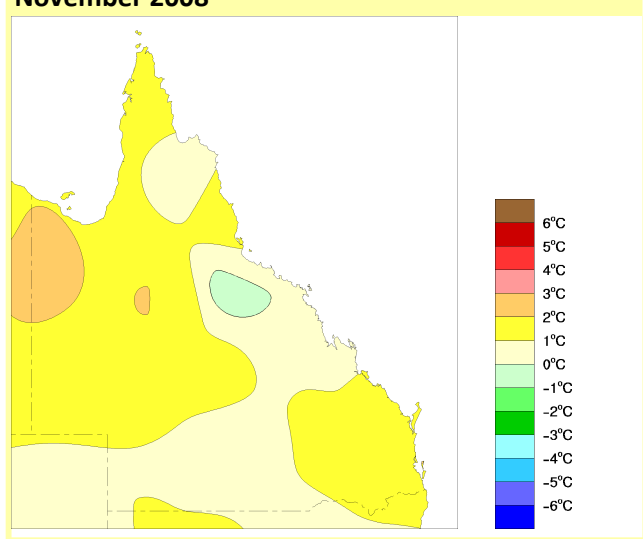
The coldest night was 5.0 °C at Stanthorpe Leslie Parade, followed by 6.0 °C at Applethorpe, both occurring on the 23rd.

The coolest nights on average were 12.9 °C at Applethorpe, then 13.2 °C at Stanthorpe Leslie Parade, followed by 15.1 °C at Toowoomba Airport.

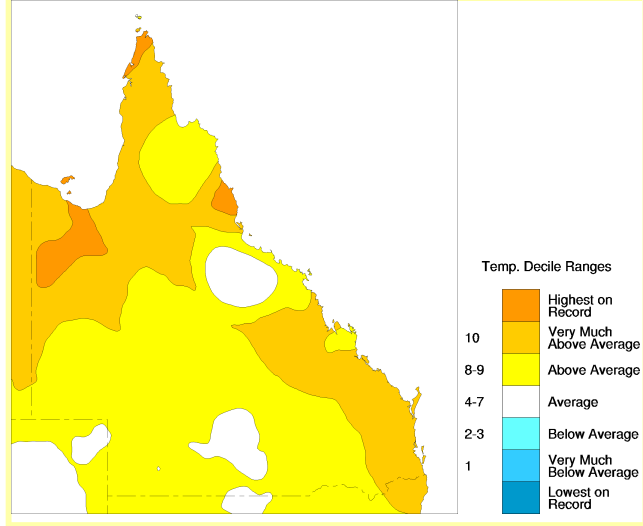
The warmest nights on average were 27.4 °C at Sweers Island, then 27.1 °C at Mornington Island, followed by 26.3 °C at Coconut Island and Horn Island.

The warmest night was 32.6 °C at Bedourie Police Station on the 28th, then 31.3 °C at The Monument Airport on the 7th, followed by 30.6 °C at Camooweal Township on the 22nd.

Anomalies of mean daily minimum temperature in November 2008



Decile rank of mean daily minimum temperature in November 2008



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.

Rainfall

Rainfall across Queensland followed no organised pattern. The bulk of the state mostly fell into the middle deciles, but a notable exception was the densely populated greater Brisbane region. Three severe thunderstorms brought significant rainfall to the region, with many places receiving record monthly as well as record daily totals. The greater southeast received very much above average falls, as well as the far south west, far north west, parts of the Northern Goldfields and Upper Flinders, Central Highlands and North Tropical Coast.

Totals were highest about the greater southeast, ranging from around 100 mm to over 500 mm along the coastal fringe. The wettest place overall for the month was Upper Springbrook Alert, which recorded 533 mm of rain, followed by Burleigh Waters Alert and Coomera Shores Alert, both of which recorded 515 mm.

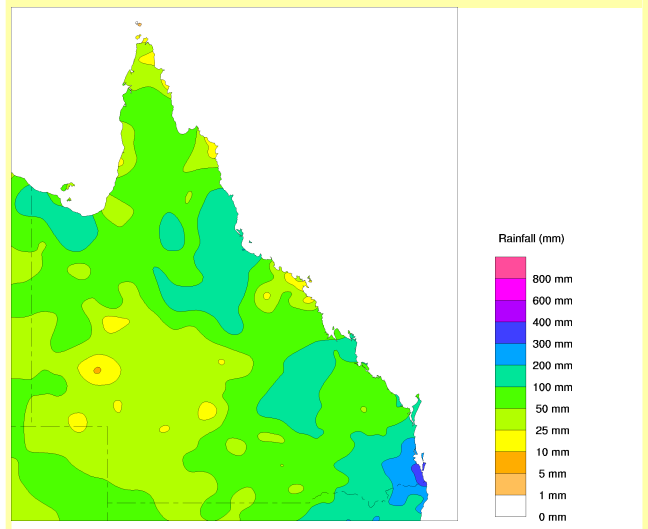
The highest daily rainfall was 250 mm at Rosewood Walloon Rd followed by 243.0 mm at Tallegalla Alert and then 208.8 mm at Grandchester Symes St, all on the 20th.

Record highest November daily rainfall			
	New record	Old record	Years of record
Inglewood Post Office	74.4 on the 20th	71.9 on the 6th in 1953	121
Cambooya Post Office	103.6 on the 20th	83.6 on the 17th in 1900	119
Balfes Creek Post Office	127.6 on the 28th	98.8 on the 24th in 1950	115
Gatton Allan Street	186.2 on the 20th	109.2 on the 23rd in 1964	115
Rosewood Walloon Rd	250.0 on the 20th	104.6 on the 17th in 1900	114
Dingo Post Office	88.0 on the 29th	84.6 on the 13th in 1906	112
University of Queensland Gatton	170.6 on the 20th	108.2 on the 23rd in 1964	112
Jondaryan Post Office	97.0 on the 20th	93.6 on the 1st in 1976	110
Herberton White St	110.0 on the 9th	103.4 on the 1st in 1957	106
Mt Garnet Post Office	116.0 on the 27th	92.2 on the 16th in 1906	106
Grandchester Symes St	208.8 on the 20th	120.9 on the 14th in 1959	105
Mt Whitestone	102.0 on the 20th	68.0 on the 25th in 1998	56
Fordsdale	160.0 on the 20th	98.6 on the 20th in 1995	55
Murrallah	75.6 on the 20th	67.0 on the 19th in 1974	55
Ooonooba	88.6 on the 28th	87.8 on the 18th in 1981	50
Homeleigh	74.0 on the 20th	62.4 on the 3rd in 1981	48
New Beith	151.0 on the 20th	105.6 on the 3rd in 1981	48
Walkamin DPI	105.2 on the 26th	92.4 on the 23rd in 1989	44
Miami Bardon Ave	97.4 on the 26th	92.0 on the 30th in 1983	41
Placid Hills	134.0 on the 20th	78.4 on the 1st in 1976	39
Fig Tree	60.2 on the 28th	59.4 on the 8th in 2000	37
Coolmunda Dam	56.0 on the 20th	51.2 on the 1st in 2007	33
Childers South	92.6 on the 21st	64.2 on the 3rd in 1981	30
Lochinvar	98.0 on the 29th	72.0 on the 30th in 1986	29
Maclean Bridge	116.6 on the 20th	62.8 on the 20th in 1995	26

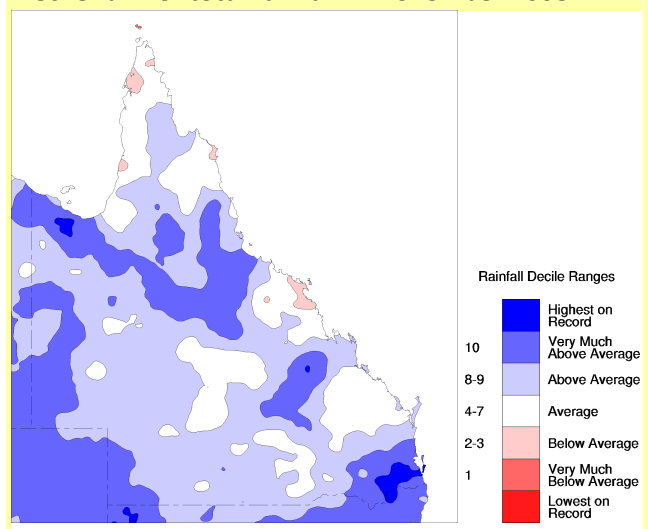
Record highest November total rainfall

	New record	Old record	Years of record
Jondaryan Post Office	263.2	208.5 in 1961	122
Gatton Allan Street	336.8	255.7 in 1917	114
Harrisville Post Office	240.4	218.8 in 1961	113
Rosewood Walloon Rd	429.0	268.2 in 1959	112
University of Queensland Gatton	321.2	219.1 in 1995	112
Manly Railway Station	339.3	320.4 in 1976	111
Clifton Post Office	232.6	220.0 in 1976	109
Maryvale Station	229.4	182.6 in 1981	109
Herberton White St	308.6	269.0 in 1989	107
Grandchester Symes St	401.8	292.9 in 1959	105
Oxenford (Oberon Way)	478.8	420.9 in 1961	101
Lake Manchester	273.6	267.5 in 1961	92
Lindfield	224.4	214.7 in 1959	86
Moogerah Dam	300.2	296.7 in 1981	85
Somerby	220.3	202.3 in 1931	81
Amberley AMO	280.4	270.5 in 1981	68
Murrallah	167.0	166.1 in 1974	57
Ellangowan	238.4	174.2 in 1995	55
Fordsdale	282.2	238.8 in 1995	55
Woodspring	169.4	152.0 in 1974	55
Rocky Point Sugar Mill	344.0	334.6 in 1961	50
New Beith	402.2	297.6 in 1981	46
Highvale	284.2	274.5 in 1976	44
Ballandean Post Office	187.0	185.4 in 1974	41
Oakey Aero	252.2	205.8 in 1995	39
Placid Hills	314.0	239.8 in 1995	39
Miami Bardon Ave	419.2	340.5 in 1983	38
Maclean Bridge	309.2	200.0 in 1983	26
Coolangatta	356.8	333.4 in 2004	23

Total rainfall in November 2008

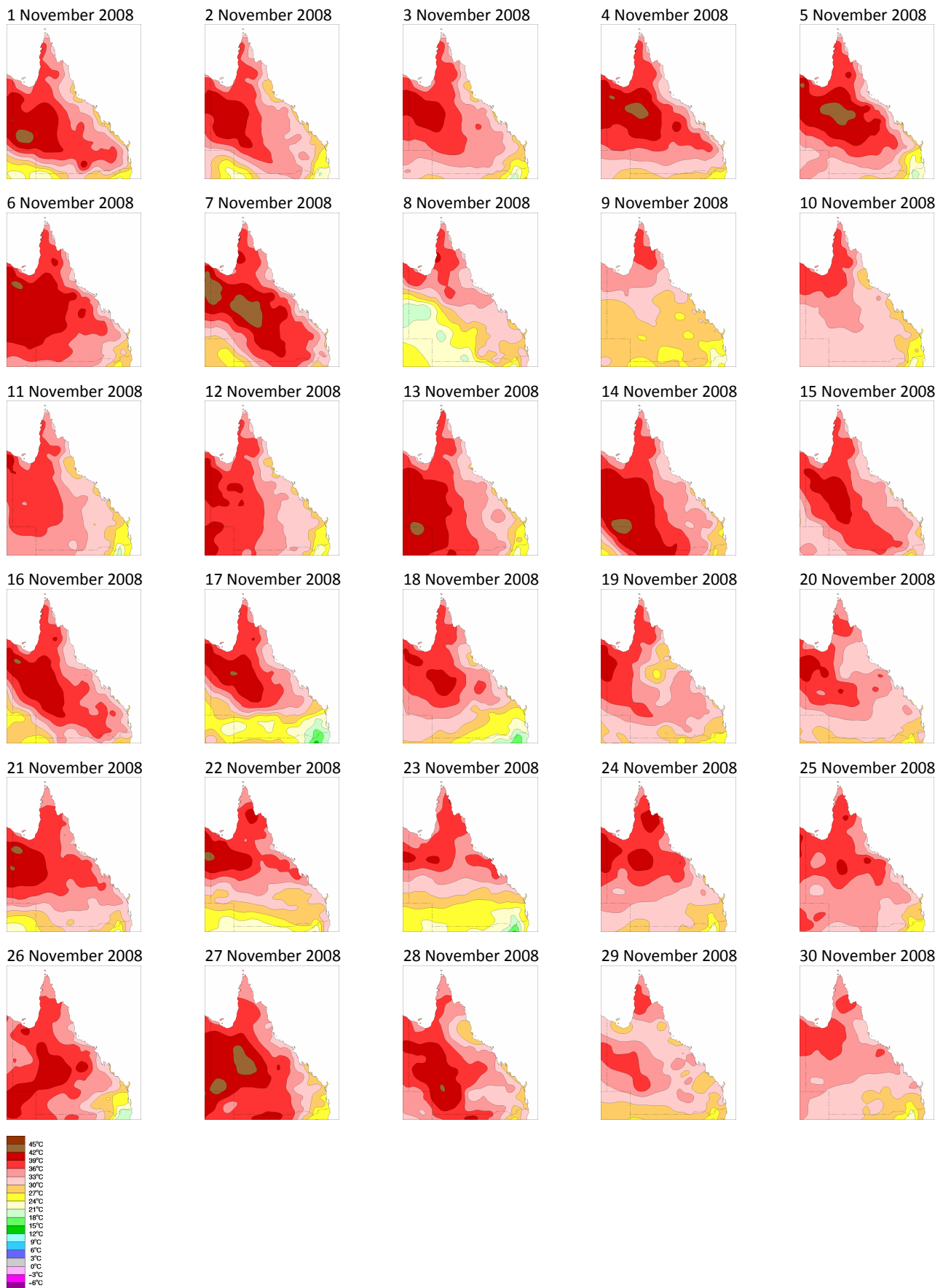


Decile rank of total rainfall in November 2008



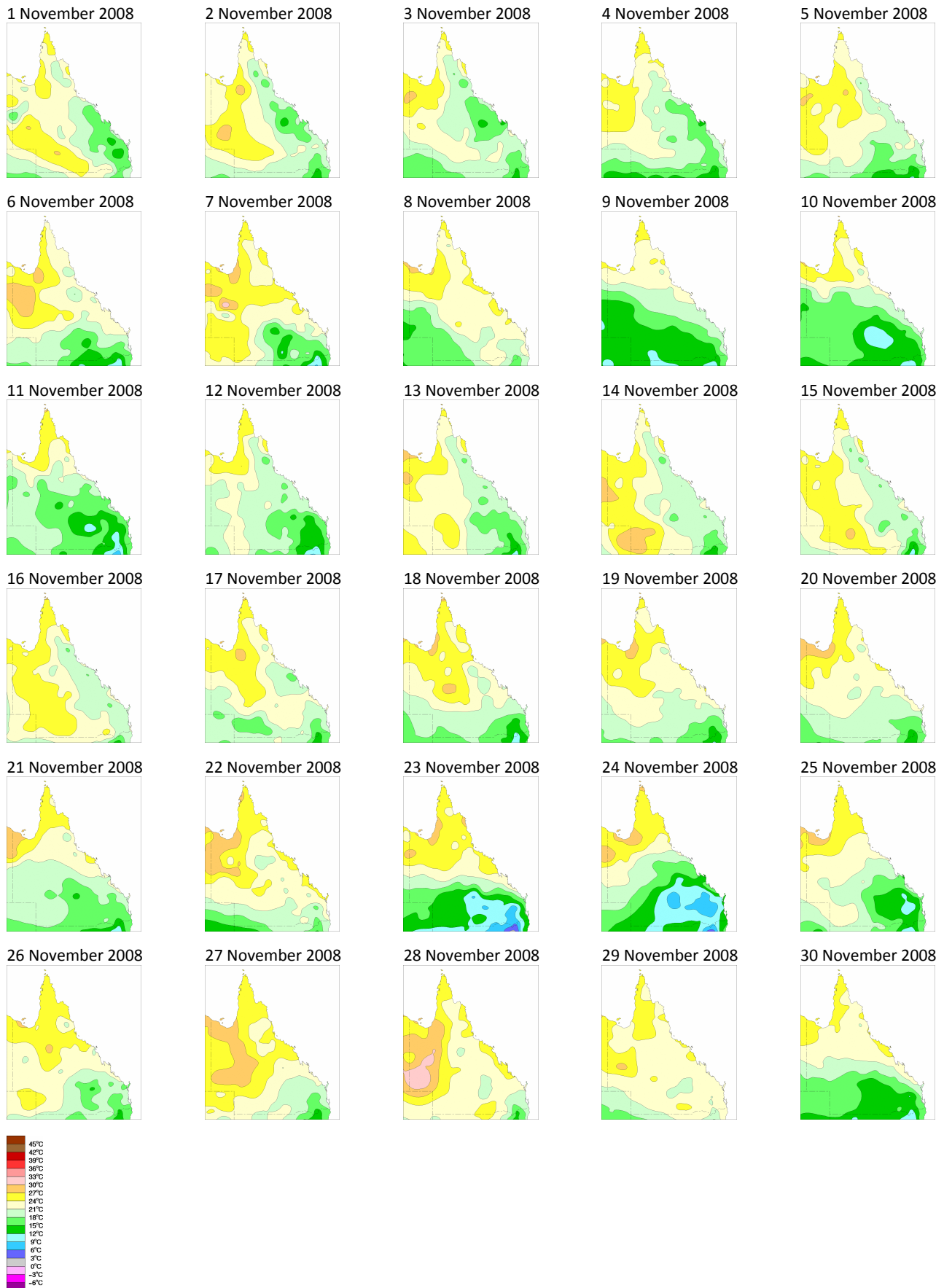
There could be discrepancies between the values shown on these maps and those at individual locations, as a result of the way the maps are generated.

Daily maximum temperature for November 2008



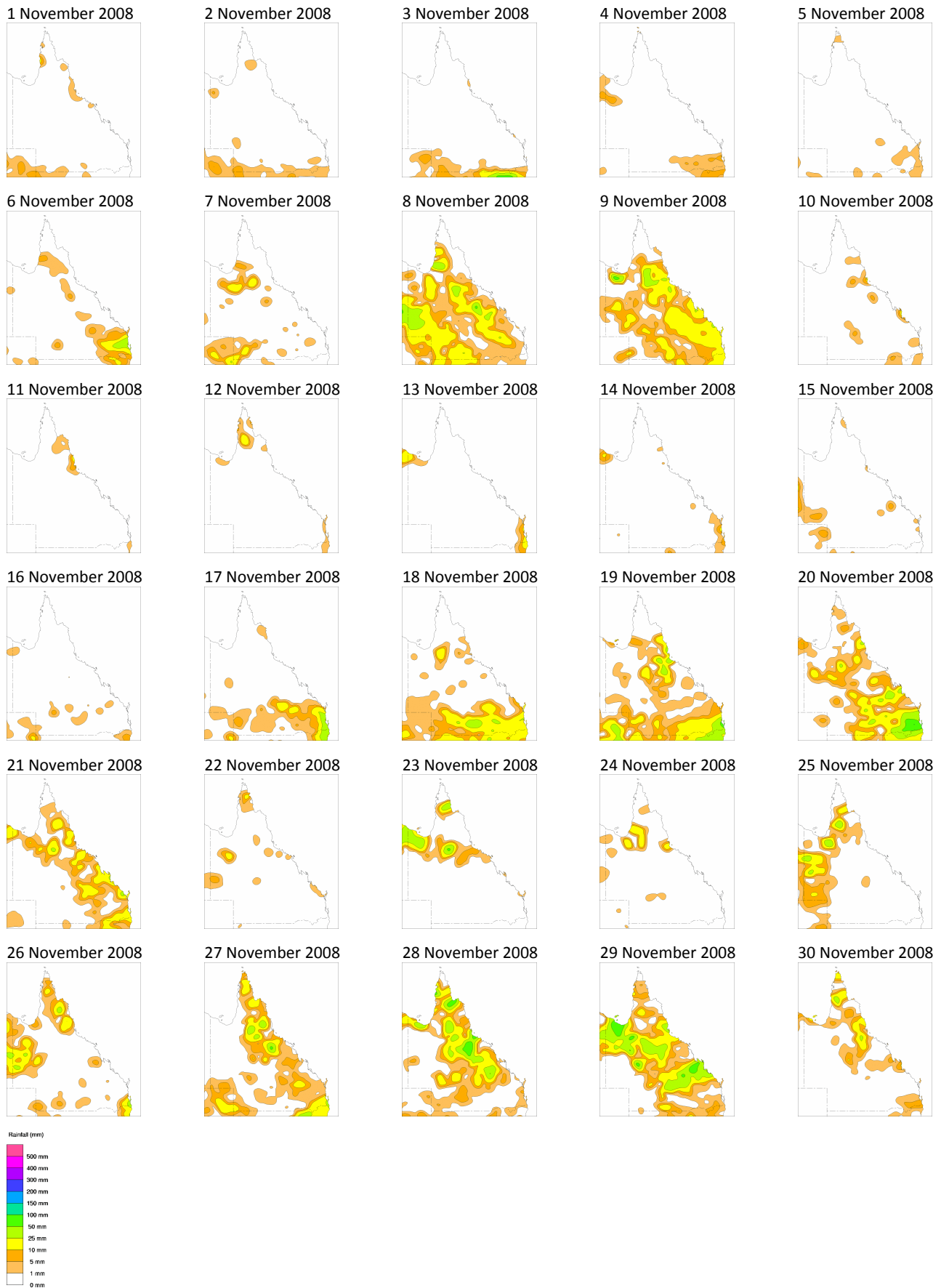
These maps are presented to give a statewide overview of conditions on each day through the month. There could be discrepancies between the values shown on these maps and those at individual locations, as a result of the way the maps are generated.

Daily minimum temperature for November 2008



These maps are presented to give a statewide overview of conditions on each day through the month. 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.

Daily rainfall for November 2008



These maps are presented to give a statewide overview of conditions on each day through the month. 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.

Summary of observations for Brisbane Airport in November 2008

Observations and climatology are from Brisbane Airport; climatological values include those from the "old" site.

	Observed this month		Climatological value	
Temperature				
Mean temperature	23.1 °C		22.5 °C	
Mean temperature at 9 am	24.0 °C		23.9 °C	
Mean temperature at 3 pm	25.1 °C		25.4 °C	
Mean daily maximum temperature	27.4 °C		27.1 °C	
Mean daily minimum temperature	18.8 °C		18.0 °C	
Highest temperature	32.7 °C	on the 22nd	39.4 °C	on the 19th in 1968
Lowest temperature	12.8 °C	on the 24th	8.3 °C	on the 17th in 2006
Days 30 °C or warmer	6		3.4	
Days 35 °C or warmer	0		0.3	
Days 40 °C or warmer	0		0.0	
Nights 5 °C or cooler	0		0.0	
Nights 2 °C or cooler	0		0.0	
Humidity				
Mean relative humidity at 9 am	67 %		61 %	
Mean relative humidity at 3 pm	65 %		58 %	
Pressure				
Mean MSL pressure at 9 am	1012.6 hPa		1015.6 hPa	
Mean MSL pressure at 3 pm	1009.3 hPa		1012.5 hPa	
Wind				
Strongest wind gust	SW 81 km/h	on the 20th	SSE 124 km/h	on the 22nd in 1980
Mean wind speed at 9 am	17 km/h		13 km/h	
Mean wind speed at 3 pm	26 km/h		22 km/h	
Days with strong wind	4		2.0	
Days with gales	0		0.4	
Days with gale-force gusts	3		1.3	
Rainfall				
Total precipitation	216.6 mm		99.6 mm	
Number of rain days	16		10.4	
Wettest day	49.6 mm	on the 19th	166.9 mm	on the 8th in 1966
Sunshine				
Mean daily sunshine	7.7 hours		8.6 hours	
Evaporation				
Mean daily evaporation	6.3 mm		7.0 mm	
Phenomena				
Days of thunder	7		4.4	
Days of hail	0		0.5	
Days of frost	0		0.0	
Days of fog	1		1.0	
Days with mist or haze	29		17.8	

Daily and mean maximum temperatures for November 2008

Mean is the average of the daily maximum temperature for November 2008; it is only shown if there are sufficient days available. Anom is the difference between the mean daily maximum temperature for November 2008 and the long-term average maximum temperature for November. Decile is the decile rank of mean daily maximum temperature for November 2008 in the climate record of other November mean daily maximum temperatures; "L" indicates this is the lowest on record, and "H" it is the highest on record. Anomalies and deciles are only shown if there are sufficient years of climate record available. The lowest and highest maximum temperatures for each site for November 2008 are highlighted.

Table with columns for region (e.g., North Peninsula, South Peninsula, Lower Carpentaria, Upper Carpentaria, Barron North Coast, East Central Coast, West Central Coast, Central Highlands, Central Lowlands, Upper Western, Lower Western, Port Curtis South Coast), station name, and 30 columns of data representing daily maximum temperatures and their anomalies.

Daily and mean maximum temperatures for November 2008

Mean is the average of the daily maximum temperature for November 2008; it is only shown if there are sufficient days available. Anom is the difference between the mean daily maximum temperature for November 2008 and the long-term average maximum temperature for November. Decile is the decile rank of mean daily maximum temperature for November 2008 in the climate record of other November mean daily maximum temperatures; "L" indicates this is the lowest on record, and "H" it is the highest on record. Anomalies and deciles are only shown if there are sufficient years of climate record available. The lowest and highest maximum temperatures for each site for November 2008 are highlighted.

Moreton South Coast (40)		Mean	Anom	Decile	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
Amberley AMO	28.9	-0.6	4	32.5	25.6	26.4	34.2	23.4		33.6	32.7	24.5	27.8	27.7	26.7	27.2	29.2	32.4	35.1	21.2	21.6	29.7	30.8	32.3	32.0	25.6	30.6	28.0	24.8	27.6	32.5	31.0	30.0	
Archerfield Airport	28.1	-0.1	6	30.7	25.1	27.0	31.5	23.5	31.1	32.5	30.2	23.7	27.3	26.3	26.2	27.3	28.3	30.9	33.3	21.6	21.9	28.5	29.8	31.9	32.0	25.0	30.0	27.3	24.1	26.7	28.9	30.9	29.6	
Beaudesert Drumley Street	28.9			33.1	25.4	25.6	33.4	24.5	32.5	35.3	32.3	24.9	27.1	27.8	27.0	27.1	29.7	33.2	36.4	20.0	23.3	29.4	31.0	32.1	31.6	24.8	30.1	28.5	23.0	26.8	30.5	30.5	29.5	
Beerburum Forest Station	28.4			31.1	25.8	28.4	33.4	25.8	28.9	31.2	30.9	24.9	26.2	26.1	25.4	27.0	26.0	29.6	32.1	21.6	24.1	29.0	30.3	33.0	30.7	25.4	30.4		26.5	27.3	30.3	31.1	30.9	
Brisbane Aero	27.4	+0.8	9	28.3	25.7	28.1	32.6	25.0	27.3	28.9	28.5	24.3	26.3	26.3	26.0	25.9	26.3	28.0	28.9	22.1	23.3	26.9	26.6	32.6	32.7	25.3	30.2	27.3	24.0	26.5	27.5	31.4	30.0	
Brisbane	28.2			30.5	24.5	27.8	31.5	24.5	31.0	31.3	30.5	24.0	27.4	26.2	26.7	27.5	27.6	30.0	31.9	21.7	22.1	28.7	29.2	32.7	32.1	25.2	30.4	27.7	24.4	27.2	29.0	31.6	30.2	
Cape Moreton Lighthouse	25.5	+0.9	9	26.1	25.1	25.4	26.0	25.0	25.4	26.8	25.9	22.5	23.1	22.6	24.1	24.5	25.9	27.4	27.3	22.6	24.1	26.4	26.3	27.7	26.8	24.4	26.1	26.9	26.4	24.7	26.3	26.7	27.7	
Coolangatta	26.3	+0.9	8	28.5	24.0	26.5		24.6	28.3	28.5	28.5	24.0	25.9	24.9	25.2	26.0	27.2	28.0	28.4	20.3	22.6	25.9	28.3	29.2	32.9	25.4	26.0	26.4	21.0	26.0	27.2	25.8	27.6	
Double Island Point Lighthouse	27.4	+1.5	10	28.0	24.7	29.0	29.2	25.1	29.4	28.5	28.5	25.4	23.8	23.4	23.9	24.6	27.0	28.8	28.4	22.5	26.7	30.1	29.6	29.9	28.5	25.9	28.3	29.3	28.0	27.1	27.3	30.4	30.3	
Gold Coast Seaway	27.3	+0.9	8	27.1	26.1	25.7	26.3	24.9	28.2	32.4	29.0	24.9	25.6	24.5	24.8	26.4	27.4	30.4	31.5	21.0	22.9	28.2	29.5	33.2	33.4	26.8	30.3	28.2	21.8	26.9	28.8	26.6	26.8	
Gympie	29.7	-0.5	5	34.3	27.2	31.8	34.7	25.0	32.1	33.3	30.8	28.1	27.0	25.7	27.2	27.0	28.3	31.6	34.2	23.4	25.9	31.7	32.4	34.2	30.9	26.3	30.6	30.2	27.2	28.7	30.1	30.8	31.3	
Hervey Bay Airport	28.5			27.6	27.8	27.8	27.8	28.6	28.2	29.5	28.7	28.6	27.2	26.1	27.6	27.3	28.4	30.2	28.8	25.5	26.4													
Hinze Dam				28.8	23.0		28.0	23.8	27.2			32.8	24.6	24.4	24.2	24.4			33.7	18.8	22.5	26.7	30.5			31.4	30.1	25.7	21.4	25.8	29.3	28.7	27.0	
Jimna Forestry	26.3			33.1	24.5	27.1	31.0	22.7	29.2	30.9	28.9	25.0	24.6	22.3	21.8	24.2	26.1	29.5	31.2	19.6	22.3	27.3	29.2	29.4	25.6	21.5	26.0	26.2	22.0	26.1	28.2	27.5	26.2	
Kingaroy Airport	28.7			35.4	29.4	29.3	34.0	24.1	31.0	33.9	30.3	25.5	26.1	25.5	26.6	27.7	30.0	32.4	34.6	20.1	23.6	29.9	31.0	30.7	27.5	24.4	27.5	28.5	24.8	28.3	30.3	29.2	28.1	
Logan City Water Treatment	27.4	+0.3	6	29.5	25.3	25.6	29.0	21.1	28.5	32.2	30.1	25.1	26.1	25.0	25.0	26.0	27.0	30.0	33.0	21.6	22.0	28.5	30.3	33.3	32.6	26.1	31.5	26.3	22.5	27.1	30.0	31.7	30.0	
Maleny Tamarind St	25.5			30.0	22.8	26.5	29.6	23.5	25.8	28.8	26.8	23.0	23.8	22.6	21.2	22.2	23.5	27.4	29.2	20.2	22.0	26.2	28.0	30.4	27.4	24.2	26.8	25.6	23.4	24.4	26.8	27.0	26.8	
Maroochydore Aero	27.9	+1.3	9	29.6	26.3	27.8	29.0	24.4	27.1	28.8	30.5	26.1	26.2	26.0	26.4	26.1	26.9	28.0	29.7	22.7	26.8													
Maryborough	30.4	+1.1	8	31.1	27.7	30.1	33.0	30.4	31.2	32.2	31.0	31.5	28.6	27.4	28.7	28.3	29.4	31.8	32.1	26.6	26.8	30.6	32.0	32.1	31.7	29.1	31.6	31.5	28.7	30.5	28.9	31.2	33.8	
Nambour DPI - Hillside	28.1			31.5	26.2	28.2	31.1	26.0	32.2	30.0	30.2	26.0	25.9	24.8	25.0	25.9	28.8	28.9	31.5	21.3	25.2	29.7	30.6	32.8	31.5	26.0	30.2	28.0	25.9	26.7	29.4	30.8	30.3	
Point Lookout	27.1	+1.3	H	29.0	27.0			28.6	28.6	28.0	29.0	25.4	26.2	24.6	27.1	26.0	27.3	27.1	28.0	23.0														
Rainbow Beach	27.3	+0.6	7	27.4	24.8	26.5	27.9	25.0	28.2	28.8	28.8	26.4	25.2	24.2	25.0	25.7	26.7	27.2	27.9	23.4	26.4	29.4	30.9	30.9	30.0	27.2	26.6	27.4	26.7	26.9	27.8	31.1	29.9	
Redcliffe	27.1			28.1	25.6	26.4	29.9	24.4	28.8	27.6	28.6	25.0	25.9	25.6	25.4	25.7	27.7	28.7		23.0	23.6	26.8	27.3	31.1	32.0	25.1	27.9	27.2	25.2	26.4	28.1	31.5	30.4	
Redlands HRS				28.3	27.5	28.5	25.0	28.1				29.4	25.6	25.5	26.4	26.3			29.7	21.9	22.8	27.5	27.9											
Tewantin RSL Park	27.5	+1.3	10	28.5	25.0	26.6	29.0	25.9	28.6	28.9	29.2	26.0	24.9	25.0	25.2	25.1	25.7	27.2	29.1	22.2	26.7	29.1	28.6	31.6	31.4	27.5	28.2	25.8	25.8	26.2	28.7	31.4	31.5	
Tooolara (Kelly)	29.8	+0.7	9	33.3	27.5	29.5	35.0	24.5	32.2	32.5	30.8	28.5	27.6	26.5	27.5	25.3	28.6	31.7	33.9	21.7	24.9	31.1	33.4	34.2	30.6	27.8	31.9	31.9	28.3	29.2	30.4	31.1	33.2	
University of Queensland Gatton	29.8	-0.3	5	35.2	26.7	26.4	35.5	24.0	33.1	34.8	32.6	26.5	29.4	28.6	28.6	29.3	31.0	33.0	35.9	21.0	21.6	30.9	31.4	31.8	30.9	25.1	30.8	30.3	26.5	29.3	32.9	30.1	29.9	
East Darling Downs (41)		Mean	Anom	Decile	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
Applethorpe	24.0	+0.4	6	29.5	22.2	21.2	26.1	20.3	27.4	30.1	25.5	20.9	23.2	20.2	22.7	24.7	27.9	29.9	31.1	14.8	18.4	25.4	25.8	24.8	23.4	17.1	22.7	24.0		24.0	26.0	24.0	22.0	
Dalby Airport	28.8	-1.1	4	36.3	31.8	28.5	33.1	26.2	30.3		29.2	26.2	28.2	28.1	29.0	29.1				22.7	23.8	29.9	30.3	30.7	29.2	23.2	27.9	29.6	26.7	29.9	31.3	30.7	28.1	
Goondiwindi Airport	30.5	-0.3	4	33.7	31.6	29.5	31.1	29.5	32.0	36.6	29.6	28.8	31.4	31.3	31.5	33.6	34.7	35.9	35.2	20.6	24.2	30.2	29.4	30.0	28.1	22.8	28.6	31.3	28.6	32.1	33.2	30.6	28.1	
Inglewood Forest	29.8			33.9	30.7	27.9	31.3	29.1	32.6	36.9	29.1	27.6	30.0	29.3	31.0	31.6	34.2	35.1	35.9	19.7	24.5	29.0	29.7	29.4	28.2	22.0	27.7		28.2	30.0	32.1	29.9	27.3	
Oakey Aero	28.0	-0.5	5	35.9	28.1	27.1	32.0	23.1	28.9	33.0	28.5	24.0	26.5	26.3	27.4	27.5	28.8	32.8	34.0	20.6	23.4	28.2	28.4	28.6	27.8	21.5	26.8	27.7	26.4	28.5	30.9	28.8	27.2	
Stanthorpe Leslie Parade	24.3	-0.8	4	29.7	23.1	22.0	27.0	20.8	27.8	30.6	26.0	20.8	23.1	20.5	22.5	23.9	26.9	30.7	31.9	15.4	18.5	25.4	27.1	25.9	24.5	18.3	23.9	24.4	19.0	23.8	27.6	24.7	23.4	
Texas Post Office	29.3	-0.9	4	31.0	31.3	25.9	31.1	29.3	31.1	35.5	28.9	27.6	30.5	28.2	30.1	31.9	33.5	34.1	34.6	21.0	22.0	29.5	29.0	29.0	27.5	22.1	28.4	30.5	28.4	29.1	32.0	29.4	27.5	
Toowoomba Airport	25.6	+0.2	6	32.4	23.5	23.7	29.2		27.2	29.7	26.4	21.0	23.8	24.3	24.4	24.7	26.4	29.8	31.8	17.2	2													

Daily and mean minimum temperatures for November 2008

Mean is the average of the daily minimum temperature for November 2008; it is only shown if there are sufficient days available. Anom is the difference between the mean daily minimum temperature for November 2008 and the long-term average minimum temperature for November. Decile is the decile rank of mean daily minimum temperature for November 2008 in the climate record of other November mean daily minimum temperatures; "L" indicates this is the lowest on record, and "H" it is the highest on record. Anomalies and deciles are only shown if there are sufficient years of climate record available. The lowest and highest minimum temperatures for each site for November 2008 are highlighted.

Table with columns for region (e.g., North Peninsula, South Peninsula, Lower Carpentaria, Upper Carpentaria, Barron North Coast, East Central Coast, West Central Coast, Central Highlands, Central Lowlands, Upper Western, Lower Western, Port Curtis South Coast), station name, Mean, Anom, Decile, and 30 days of daily minimum temperatures.

Daily and mean minimum temperatures for November 2008

Mean is the average of the daily minimum temperature for November 2008; it is only shown if there are sufficient days available. Anom is the difference between the mean daily minimum temperature for November 2008 and the long-term average minimum temperature for November. Decile is the decile rank of mean daily minimum temperature for November 2008 in the climate record of other November mean daily minimum temperatures; "L" indicates this is the lowest on record, and "H" it is the highest on record. Anomalies and deciles are only shown if there are sufficient years of climate record available. The lowest and highest minimum temperatures for each site for November 2008 are highlighted.

Moreton South Coast (40)		Mean	Anom	Decile	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	
Amberley AMO	17.5	+1.3	9	14.8	18.9	16.0	17.8	19.7	18.3	21.4	19.7	13.1	16.6	12.9	18.3	17.8	17.2	19.5	19.6	16.2	17.4	18.3	17.5	20.8	12.8	12.5	14.1	19.6	18.8	19.3	23.7	15.4			
Archerfield Airport	18.4	+1.5	10	16.6	20.1	17.8	19.2	18.9	18.3	17.5	22.5	20.1	15.6	17.1	15.6	18.6	18.9	18.7	20.5	19.5	16.6	18.0	18.1	17.2	22.2	14.2	14.0	16.8	19.1	19.2	20.4	23.9	17.9		
Beaudesert Drumley Street	17.2			14.3	18.9	17.7	17.6	18.6	16.7	15.8	22.4	19.0	13.8	16.3	12.7	17.9	16.6	19.7	19.9	18.6	16.3	17.7	18.1	15.7	20.8	11.0	9.4	15.4	18.8	18.2	20.0	23.6	15.6		
Beerburum Forest Station	18.1			16.0	20.3	19.4	18.4	19.0	18.6	18.4	20.8	18.9	15.4	15.0	17.0	18.8	19.3	18.4	18.7	18.8	16.3	18.7	17.7	18.4	22.0	14.2	10.9	14.5		19.2	19.4	23.3	18.0		
Brisbane Aero	18.8	+0.9	8	17.6	19.9	19.7	19.9	19.3	18.2	18.4	22.8	19.8	15.5	16.1	16.7	19.5	19.6	19.3	20.6	20.0	17.1	18.5	18.2	18.2	22.4	15.2	12.8	16.4	19.6	20.0	21.2	24.1	17.3		
Brisbane	19.3			18.7	20.3	18.6	20.0	19.5	19.2	19.1	22.9	20.5	16.9	17.9	17.7	19.2	19.6	19.5	21.0	19.6	17.0	18.2	18.4	18.5	23.0	16.8	13.8	18.2	19.5	19.9	21.2	24.5	18.9		
Cape Moreton Lighthouse	20.2	+0.7	9	20.3	21.5	20.8	17.7	19.8	19.3	21.1	22.7	19.9	20.4	18.3	18.9	19.3	20.5	21.6	22.1	20.6	17.1	18.6	18.6	18.1	23.2	17.8	18.5	20.7	22.0	20.6	20.2	23.2	21.5		
Coolangatta	18.3	+0.4	8	20.5	18.8	16.7	20.0			18.3	16.3	23.0	19.1	17.5	16.7	17.7	19.1	19.8	20.9	22.4	18.1	16.6	17.8	18.6	17.4	20.2	12.0	11.8	17.3	18.0	18.3	20.3	22.0	14.9	
Double Island Point Lighthouse	20.7	+0.5	8	20.2	21.5	20.9	21.0	20.7	20.7	21.9	22.5	19.3	18.8	18.8	18.2	19.6	20.5	21.1	21.6	21.4	18.7	19.9	20.3	20.9	24.2	18.5	17.6	20.2	22.0	22.3	21.7	22.7	23.2		
Gold Coast Seaway	19.1	+0.4	8	19.9	19.5	18.5	20.2	18.8	18.2	17.5	22.3	19.7	17.8	18.2	18.4	19.9	20.5	21.4	22.1	18.6	17.1	18.5	18.7	17.1	22.7	16.7	14.6	18.4	18.3	18.7	20.7	22.3	17.9		
Gympie	18.0	+1.5	10	14.0	21.1	14.9	17.9	20.2	20.0	21.1	22.5	18.9	16.4	12.7	17.8	18.3	18.9	17.2	19.1	19.2	16.8	18.8	19.0	17.6	21.8	13.4	8.1	11.4	18.1	19.9	19.4	24.6	19.6		
Hervey Bay Airport	20.1			21.4	20.7	17.9	22.5	20.3	22.3	23.3	24.2	19.9	21.1	16.5	18.5	19.6	19.8	19.7	19.9	20.7	20.4	21.4			19.7	25.5	18.2	11.1	15.8		21.1	20.1			
Hinze Dam				17.4	18.8	18.2				17.9	17.4	17.8			16.7	18.1	18.2	18.5	19.3		18.1	16.1	17.6	18.2	17.0			16.3	17.9	17.8	17.8	20.4	23.3	17.0	
Jimna Forestry	15.7			13.3	17.2	15.7	16.6	16.9	16.8	17.4	19.6	15.8	14.2	11.9	13.2	16.3	17.0	17.0	17.7	17.1	14.3	16.7	16.0	15.7	18.5	9.2	9.2	9.7	17.1	17.9	18.7	20.9	13.1		
Kingaroy Airport	15.7			12.6	17.7	18.1	16.4	18.2	18.3	16.5	19.8	15.6	13.8	12.4	12.6	16.0	17.9	18.1	20.0	18.1	14.6	15.9	16.7			16.4	7.8	6.0	9.8	18.0	15.9	20.1	12.0		
Logan City Water Treatment	18.6	+1.6	10	15.1	20.3	19.5			19.0		17.5	23.2			15.6	16.9	16.5	19.5	19.6	21.0	18.5	16.4	18.2	18.0	16.9	22.8	14.5	14.6	17.5		18.5	20.7	26.5	17.4	
Maleny Tamarind St	16.6			16.2	17.0	16.8	18.0	16.8	16.8	17.6	20.0	16.0	14.4	13.6	15.0	17.0	18.0	16.8	17.6	16.8	14.0	15.2	16.0	18.4	20.4	12.2	12.0	14.8	17.6	17.6	19.2	21.2	15.6		
Maroochydore Aero	19.6	+1.9	H	15.9	20.9	20.1	20.7	19.9	19.3	19.9	21.0	19.1	18.4	16.8	18.2	19.6	20.6	20.1	19.0	20.1	18.4	19.9			18.1	23.0	17.1		21.4	20.4	20.0	23.8	18.5		
Maryborough	19.1	+1.3	10	14.8	20.3	17.2	20.2	20.3	21.5	18.8	21.5	20.0	17.6	16.0	17.6	19.0	18.7	19.2	19.3	20.4	19.2	19.9	21.7	20.1	23.2	18.6	9.1	13.5	17.0	21.6	21.7	23.5	21.4		
Nambour DPI - Hillside	18.7			18.6	20.0	18.9	20.0	19.1	19.1	19.5	20.7	18.8	17.7	15.9	18.8	19.3	19.3	19.1	19.4	19.9	16.6	19.0			19.0	23.3	15.7		10.5	14.2	18.5	19.7	19.5	24.4	19.4
Point Lookout	19.5	-0.2	6	20.0	20.3	21.0				19.4	20.9	20.0	20.0	19.8	15.5	19.5	20.2	20.6	21.0	21.9	20.7	17.0			18.1	18.6		15.3	21.0	19.9	17.9	19.6	19.8	18.8	
Rainbow Beach	19.7	+0.8	9	17.5	22.2	20.0	20.5	20.0	22.6	23.3	19.6	20.0	16.0	17.1	19.4	21.0	18.8	19.9	21.8	19.4	20.3	20.6	20.4	24.1	16.0	10.2	14.8	23.0	22.6	22.6	19.9	18.7			
Redcliffe	19.5			19.3	21.0	20.5	19.9	20.2	18.7	19.3	22.8	19.8	17.1	17.5	18.2	19.2	20.3	20.6	20.8	20.1	17.4	18.8	18.4	18.6	22.9	16.8	15.3	16.7	20.2	19.9	21.8	24.0	19.4		
Redlands HRS						18.2	19.3	18.5	18.1	15.3			14.5	13.9	17.2	18.5	18.1			18.5	15.5	17.6	17.4	16.9			10.3	16.0	18.6	18.8	20.3				
Tewantin RSL Park	19.7	+1.2	H	16.8	21.5	20.6	20.5	19.8	19.6	20.9	21.5	19.5	18.5	17.6	17.6	19.5	20.5	20.1	20.2	20.3	18.3	19.8	19.9	19.1	23.4	18.0	12.2	18.1	20.2	19.9	20.4	25.0	21.0		
Tooolara (Kelly)	18.9	+1.1	10		20.7	18.2	18.5	19.2	19.3	20.3	20.9	18.7	17.0	15.5	17.4	18.5	18.5	18.9	20.6	19.7	17.3	19.3	18.6	18.3	22.8	15.8	15.1	16.7	18.8	19.9	20.3	23.3	20.9		
University of Queensland Gatton	17.1	+1.2	9	14.6	17.8	19.0	17.8	19.5	18.4	15.5	21.3	17.8	14.2	13.2	12.8	18.2	18.5	17.1	18.7	18.6	15.5	16.8	17.8	17.0	20.0	12.3	10.2	13.1	18.8	18.8	20.2	22.6	16.8		
East Darling Downs (41)		Mean	Anom	Decile	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	
Applethorpe	12.9	+1.5	10	18.3	14.0	14.4	12.1	12.3	11.3	10.4	16.3	12.6	12.6	10.3	11.6	12.9	14.3	11.8	18.7	13.5	10.6	12.2	12.0	12.2	16.0	6.0	9.4	11.1	13.9	13.4	14.0	19.0	10.0		
Dalby Airport	15.6	+0.1	7	18.9	15.9	16.9	18.5	17.9	15.9		14.8	13.7	12.1	13.1	14.9	17.8					15.1	16.8	16.9	17.0	20.2	8.1	7.5	11.3	15.9	17.2	21.2	12.4			
Goondiwindi Airport	17.8	+1.2	9	21.6	19.4	19.9	17.0	17.5	15.6	16.5	22.0	14.2	14.1	14.5	13.7	18.4	19.2	21.0	24.2	20.4	15.6	16.1	17.9	17.9	21.1	9.8	11.6	15.6	19.9	19.1	22.2	22.7	15.2		
Inglewood Forest	16.3			21.1	17.2	18.0	17.9	15.2	14.3	18.0	19.4	13.6	12.5	12.4	12.9	15.0	16.1	18.1	23.1	18.5	14.2	15.0	15.8	16.7	20.6	7.9	10.8	14.2		17.0	20.0	22.4	13.7		
Oakey Aero	15.9	+1.7	9	15.5	16.6	17.1	17.7	17.3	15.3		19.4	14.6	13.6	11.4	13.6	15.5	18.2	18.9	19.6	17.6	14.2	16.0	17.0	17.5	19.2	8.5	7.3	12.0	18.1	18.4	18.2	21.1	12.6		
Stanthorpe Leslie Parade	13.2	+1.4	9	15.4	14.8	14.8	13.0	13.0	12.0	10.5	17.2	12.7	13.2	11.0	12.0	13.5	15.0	12.3	17.6	14.0	11.3	12.9	12.5	11.9	15.5	5.0	7.6	12.8	14.6	14.1	14.4	20.0	10.9		
Texas Post Office	16.8	+2.1	10	22.4	17.6	18.0	16.1	16.9	15.5	15.9	19.9	14.9	13.8	13.9	13.6	15.3	16.9	18.7	23.5	19.4	15.0	16.1	16.4	16.4	20.3	8.5	11.0	14.4	19.0	16.8	21.0	22.3	13.6		
Toowoomba Airport	15.1	+0.8	8	16.7	14.8	15.1	16.5	15.1		16.3	18																								

Daily and total rainfall for November 2008

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Herbert North Coast (32)			Total	Avg	Decile	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				
Allingham Forrest Drive	176.8														16.2	30.0									2.0	1.0													
Bambaroo	156.4	121	8	9.6	0.2									11.4	0.2	56.2	0.4			1.2	0.2			6.2	31.8	2.0	4.2	0.4	1.0	12.4			0.8	11.0	5.8	1.4			
Bingil Bay	236.5	142	9	7.0											9.0	32.5	3.0		0.7				4.0																
Cardwell Marine Pde	165.9	115	8	10.6										23.4																									
Cardwell Range	206.8			8.6										48.0	19.8	2.0									1.2	2.4	12.0				8.6		0.2		76.0	23.8	1.2		
Daradgee	78.5			0.8	0.4	1.6									0.2	8.6									1.3	23.2	1.8	2.6					1.2				0.4	6.4	30.0
Elphinstone Pocket No1	152.4	73	9	0.8										36.8	0.6	9.2									6.6	1.4	19.4			5.2					29.4	41.0	1.2		
Gairloch	183.2	141	8	7.0										54.0	22.0	2.4																							
Halifax Macrossan St	129.1	96	8	4.8	0.3									7.8	11.8										24.2	1.2	0.6			11.6						18.8	45.2	1.6	
Hawkins Creek	139.2			4.0	0.2									5.4	5.0	4.0	0.2								1.0	3.0	22.0			17.0		2.0	0.4	18.0	54.0	1.0			
Ingham Composite	98.2	118	6	0.6										21.2	4.0	0.6										0.4	1.0	0.4			13.2					10.4	42.6	2.8	
Innisfail	127.5	155	6	2.4	0.8	3.2								0.8	6.4										1.4	53.4	11.0	2.9					0.6			0.2	8.4	36.0	
Lucinda Point	150.8	65	9	3.4		0.2	0.4	0.6	0.4					12.4	35.6	0.2														13.4				19.4	28.4	20.6	2.4		
Lucinda Township	184.3	95	9	5.6										22.5	22.5	3.0																					67.0	28.7	
Magnetic Island - Nelly Bay	163.3			3.5										7.0	0.2	1.2																					69.0	68.0	4.0
Mutarnee Store	307.9	156	9	3.0	0.4									18.0	26.0	18.0									166.0	2.1			7.8	8.6			9.0	13.0	23.0	13.0			
Paluma Ivy Cottage	188.5	163	8	15.0										9.0	1.0											56.5	4.0	4.5	»	4.0	13.5			4.5	2.5	65.0	3.0		
Rollingstone	357.6	137	9	3.4										68.0												137.0	2.0			»	3.6			36.0	105.0	2.6			
South Johnstone Exp Stn	99.8	144	5	»	»	2.0								»	13.0	13.0									2.6	65.0	0.4	3.0					0.8						
Townsville Aero	112.2	59	9	3.6										21.2												0.4	6.4	0.8			7.2				0.6	67.4	3.6	1.0	
Tully Sugar Mill	261.2	169	9	6.0	0.2	1.4								48.2	0.4	3.4										6.4	73.2	0.4	0.6			0.2		0.2			115.6	5.0	
Upper Stone Exelby	161.4	85	9	2.0										18.0	0.2	34.0									1.8	0.2										3.6	44.8	3.4	
Victoria Sugar Mill	79.4	97	6											»	25.4	0.6										»	»	0.6			15.4						35.8		
East Central Coast (33)			Total	Avg	Decile	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				
Alva Beach	43.0	49	8	0.2	0.2									1.4													1.2										7.4	28.2	3.6
Ayr DPI Research Stn	40.4	45	6			0.8								2.6																							8.4	1.2	0.2
Barrnganal Blue Mountain	74.0	80	6											13.8																							»	10.0	0.8
Bowen Airport	7.7	36	4	0.4										0.4	0.3																						5.4	0.8	
Byfield Childs Road	107.0	91	7											10.0	14.0																						49.0		
Cardowan	58.2	61	7											30.0																								9.0	
Clare	71.0	38	9																																		25.0	6.0	
Collinsville Post Office	23.2	51	4											4.6												1.0	8.2									»	8.0	11.0	21.0
Crystal Brook	33.8	57	5																																		13.8	11.0	
Dalrymple Heights	29.8	99	2	2.2										2.5																							10.0	3.0	
Doraville Station	26.6	75	3											8.4																							5.4	3.4	
East Mackay	37.5													7.0	21.0	1.5																					4.0	4.0	
Hamilton Island Airport	3.4			1.0																																	0.2	0.2	
Hecate	22.4	61	3																																		1.0	16.0	
Home Hill Post Office	13.6	38	5	»	»	1.6								»	»	3.0																					4.4	»	
Mackay Aero	19.8	71	2											3.2	14.8	0.2																					0.2	0.2	
Mackay M.O	32.4	89	3	0.6										15.8	8.6	1.2																					0.8	2.8	
Mingela Post Office	59.0	36	8																																		8.8	0.8	
Mirani Mary Street	26.8			0.8										12.0																							7.0	7.2	
Mount Charlton	8.0	109	1																																		7.0	2.3	
Pacific Heights	158.6	74	9											13.4	26.0																						4.0	2.0	
Plane Creek Sugar Mill	82.9	108	6											5.0																							46.2	48.2	
Proserpine Airport	3.2	75	1	0.2	0.2																																5.5	67.0	
Ravenswood Post Office	83.2	44	9											16.4																									

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Moreton South Coast (40)	Total	Avg	Decile	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	
Alderley	310.0	96	10	0.6	.	.	2.2	2.0	33.2	.	0.4	11.0	.	0.2	.	7.2	3.0	0.2	.	59.8	17.0	80.6	52.8	11.2	0.4	.	.	13.0	11.0	1.2	0.4	2.6		
Amberley AMO	280.4	82	H	.	.	0.2	1.8	.	22.0	.	.	.	9.4	.	.	4.0	1.4	.	.	15.2	17.2	41.6	.	.	.	1.0	14.6	.	.	0.6	.	2.4		
Archerfield Airport	264.0	102	10	.	.	0.2	4.8	0.6	18.0	.	.	9.8	.	.	.	6.8	0.4	.	.	33.0	12.4	36.8	78.4	29.0	0.2	.	.	6.6	19.0	5.6	.	2.4		
Beaudesert Cryna	198.0	84	10	.	.	.	4.2	5.8	5.0	.	.	16.4	0.4	.	.	2.2	.	.	.	26.8	5.2	36.6	37.4	18.8	1.0	.	.	15.2	13.6	0.8	.	8.6		
Beaudesert Drumley Street	187.8	0.2	4.0	1.8	3.4	.	.	19.6	0.2	.	.	3.2	0.8	.	.	0.2	27.2	5.8	36.6	36.8	22.2	1.0	.	.	7.6	11.4	1.4	0.4	4.0	
Beerburum Forest Station	211.8	121	9	.	.	.	0.2	6.2	3.8	34.8	.	.	18.4	.	.	12.8	7.8	3.6	.	.	38.2	21.4	33.2	27.0	3.2	0.2	0.8	0.2	.	.
Biggenden Post Office	56.9	83	4	7.0	.	.	18.8	1.2	.	.	3.2	.	.	.	9.8	1.3	6.4	0.8	7.2	1.2
Blackbutt Post Office	151.6	82	9	.	.	.	0.4	.	40.0	.	.	2.8	17.0	.	.	1.2	0.8	.	.	.	5.0	21.2	13.8	41.8	3.8	0.6	.	.	.	0.4	0.8	.	.	2.0
Boondall	353.4	120	10	.	0.2	.	2.8	1.8	40.0	.	0.4	13.4	0.2	.	.	6.0	1.6	.	.	40.2	19.2	66.6	36.2	30.4	.	.	.	77.0	12.8	3.0	.	1.6		
Boondooma Dam	88.3	88	6	0.8	.	.	1.5	21.0	.	.	0.3	6.0	0.2	3.6	51.0	3.5	.	0.4	.	.
Brian Pastures	120.0	77	8	35.4	11.4	.	1.0	.	.	10.8	.	1.8	0.2	36.4	4.2	8.0	2.0
Brisbane Aero	216.6	111	H	.	.	.	1.2	3.2	26.0	.	.	10.0	.	.	.	3.0	0.6	.	.	.	26.2	11.8	49.6	28.6	16.8	0.2	.	.	19.8	16.4	1.6	.	1.6	
Brisbane Botanic Gardens Mt Coot-Tha	356.6	3.2	0.5	26.3	.	0.6	9.0	0.1	.	.	5.8	2.2	51.8	19.0	66.2	107.4	22.2	0.3	.	.	23.0	19.0	.	.	6.6	
Brisbane RPA Hospital	280.0	103	H	.	.	.	1.8	24.2	8.2	.	.	7.0	30.2	82.2	96.2	30.2
Brisbane	326.6	.	.	.	0.2	2.8	.	23.6	.	.	8.6	.	.	0.4	8.8	1.0	0.2	.	.	31.8	14.6	77.2	79.4	28.8	0.2	6.6	.	.	11.6	25.2	2.2	.	3.4	
Brooweena Lahey St	34.2	90	2	30.8	3.4
Caloundra WTP	130.6	125	7	25.6	.	1.6	17.8	20.4	19.6	19.2	23.0	1.4	2.0	
Caltex Refineries (QLD) Ltd	261.9	113	10	.	0.2	.	2.1	0.4	24.0	.	.	11.4	0.2	.	.	3.8	2.0	.	.	25.0	12.6	68.2	29.2	26.0	.	.	.	24.4	26.0	2.8	.	3.6		
Canungra Finch Road	247.2	96	10	.	.	.	4.0	4.0	10.0	.	.	19.2	.	.	12.6	7.4	.	.	.	43.0	5.0	39.6	45.0	16.4	1.0	.	.	13.0	12.0	.	.	15.0		
Cape Moreton Lighthouse	164.0	96	9	.	.	20.2	.	24.4	.	20.2	.	.	0.6	5.8	1.2	0.6	0.2	.	.	5.6	34.8	26.8	11.6	0.2	3.0	8.8	.	.	.	
Coalingatta	356.8	140	H	.	.	0.2	1.0	13.2	.	18.4	.	.	3.0	5.8	12.6	0.4	.	.	.	11.0	9.4	38.0	29.8	27.8	0.6	.	.	109.2	66.0	2.6	.	7.8		
Coomera Foxwell Road	450.0	151	H	.	.	.	8.0	1.5	42.5	.	8.0	.	.	.	3.0	.	.	.	.	30.5	9.5	71.0	91.0	20.0	.	.	.	82.0	77.0	.	.	6.0
Cooroy Composite	236.1	114	10	.	.	.	.	10.0	33.5	.	21.8	.	4.5	18.4	14.7	0.5	.	.	.	45.8	19.6	24.4	31.2	12.9	.	.	.	4.5	3.0	0.3	.	.
Crows Nest	205.4	79	10	.	2.4	.	6.6	0.2	38.4	.	5.6	22.8	.	.	2.0	.	.	.	.	19.8	27.6	18.6	55.4	0.4	.	.	.	1.8	.	.	3.8	
Darlington	227.2	111	10	.	.	.	2.4	7.0	.	31.2	.	.	0.4	.	3.6	0.2	.	.	.	1.0	28.4	8.8	25.4	40.2	11.0	0.4	.	25.4	14.6	0.4	14.6	12.2		
Double Island Point Lighthouse	122.0	89	8	2.8	16.2	.	16.2	0.4	.	0.8	5.2	1.6	0.4	.	.	4.4	6.2	19.8	44.6	2.6	0.6	0.2	.	.	
Dunollie	68.0	85	5	.	.	.	.	27.0	.	9.2	.	.	.	.	3.2	.	.	.	.	1.2	0.8	3.0	14.2	0.6	.	.	.	.	0.8	.	8.0	
Eerwah Vale	223.0	.	.	0.4	.	10.4	43.6	.	.	.	.	.	26.2	11.2	10.0	0.8	.	.	.	45.2	19.2	.	47.8	2.0	.	.	.	3.4	0.6	2.2	.	.
Embreys Bridge	97.4	73	9	11.6	.	16.0	1.8	7.4	12.6	44.8	3.2	
Esk Post Office	194.8	84	10	.	.	.	9.6	42.4	.	.	.	.	16.2	.	.	0.6	.	.	.	8.8	31.0	19.2	49.2	4.4	.	.	.	13.4	.	.	.	.
Eumundi - Crescent Rd	238.4	122	9	.	.	.	8.0	44.0	.	26.0	.	.	4.2	9.6	13.2	.	.	.	.	30.2	30.0	20.0	40.6	2.2	.	.	.	3.4	5.4	1.6	.	.
Fernvale - Burns St	239.0	.	.	2.4	.	4.6	.	21.0	.	1.8	13.4	.	.	.	2.8	1.6	.	.	.	7.6	19.0	28.0	118.0	12.0	6.8	
Gatton Allan Street	336.8	80	H	.	.	.	2.0	28.4	.	13.2	1.8	4.8	27.4	32.0	186.2	8.0	0.2	.	.	.	0.6	32.2	.	.	.	
Glengaven	339.0	191	H	.	.	.	10.8	7.2	.	40.0	.	.	2.0	49.0	9.2	56.0	14.0	.	81.0	14.0	2.0	.	.	25.0	24.4	.	4.4	.	.	
Godwin Beach	249.2	.	.	21.0	4.4	26.0	.	0.2	19.0	.	.	0.6	16.0	2.0	.	.	64.4	15.8	27.0	36.6	4.4	0.2	.	.	.	0.2	4.6	6.4	0.4	.	.	.		
Gold Coast Seaway	440.6	146	H	.	.	4.2	0.8	28.8	.	7.8	.	.	0.4	4.4	13.8	3.6	.	.	.	16.2	9.2	64.4	104.6	21.2	0.2	.	.	75.2	73.8	0.6	.	11.4		
Goomboorian Webster Rd	118.0	96	8	.	.	.	.	19.0	.	12.0	.	.	.	.	4.5	.	.	.	.	17.0	6.5	6.5	51.0	.	.	.	.	1.5	.	.	.	.
Goomeri Post Office	44.4	83	3	22.6	21.8	
Greenbank Thompson Road	348.6	119	10	.	.	1.0	6.6	0.4	22.2	.	0.6	18.0	.	.	8.2	2.8	.	.	.	52.6	16.2	40.4	124.2	10.4	0.6	.	.	13.6	17.8	4.8	0.2	8.0		
Greenslopes Private Hospital	228.3	113	10	.	1.4	.	.	4.0	30.0	.	0.3	8.6	.	.	7.2	.	.	.	.	28.0	13.2	77.6	.	21.2	.	.	.	31.0	2.8	3.0	.	.
Gympie	141.2	90	9	.	.	.	.	3.2	18.8	.	15.4	.	.	.	6.0	3.4	.	.	.	29.4	7.2	10.2	32.8	9.4	.	.	.	5.4	.	.	.	.
Harrisville Post Office	240.4	79	H	.	.	.	6.0	10.0	.	10.8	6.0	37.4	6.6	43.6	58.6	12.6	.	.	3.6	.	20.0	13.4	2.0	13.4	14.2	
Hervey Bay Airport	105.8	80	8	.	0.8	.	.	0.6	5.6	0.2	27.0	0.2	.	0.6	6.8	1.0	.	.	.	1.0	18.4	13.6	.	11.4	.	3.6	.	5.2	0.4	7.0	2.4	.	.	
Highvale	284.2	111	H	.	.	.	3.0	1.0	34.6	.	0.6	13.0	.	.	5.8	2.2	.	.	.	58.2	21.8	21.8	74.0	2.4	0.6	.	.	0.4	25.0	3.0	9.4	7.4		
Hilltop Gardens	461.2	155	H	.	1.0	0.8	5.0	3.0	37.0	.	0.8	15.0	.	.	1.2	17.0	6.0	.	.	50.0	23.0	88.0	109.0	39.0	0.4	.	.	26.0	29.4	5.4	0.2	4.0		
Hinze Dam	323.8	126	10	.	0.2	.	.	1.4	18.4	.	.	22.2	.	1.4	22.0	12.6	.	.	.	32.6	10.0	54.0	57.2	9.4	.	.	.	16.0	49.8	3.8	.	12.8		
Howard Post Office	135.8	8																																

Daily and total rainfall for November 2008

Total is the total precipitation for November 2008; a missing total indicates there is concern about the quality of some of the daily values. **Avg** is the long-term average total precipitation for November. **Decile** is the decile rank of total precipitation for November 2008 in the climate record of other November totals; "L" indicates this is the lowest on record, and "H" it is the highest on record. Long-term average and decile rank are only shown if there are sufficient years of climate record available. Reports of zero precipitation are shown as ".". When a reading was accumulated over more than one day, "»" is shown on the days that are part of the accumulation.

Warrego (44)	Total	Avg	Decile	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		
Ashling	53.0	49	8																	53.0															
Augathella Post Office	103.0	50	9			1.4					4.2								2.4	1.6	1.4	25.2	4.0								5.2	57.6			
Bayswater	32.6	72	3							5.0								3.5	3.0		6.2					2.4					4.0	8.5			
Bendena	42.0	35	8									13.2																							
Bogarella	130.0	55	10								21.0														55.0			11.0			43.0				
Bolton Mary St	52.7	41	8		2.0	1.4					1.0	10.6							1.0	16.2	14.4	3.8							1.1	1.2					
Charleville Aero	43.2	46	7							0.4	7.4	0.4							6.4	3.2		4.2	0.2									9.0	12.0		
Cowley Station	45.5	28	8								18.0									15.0													12.5		
Cunnamulla Post Office	63.8	30	9		0.4	0.6					28.8	6.4							0.8	14.2	5.8	3.6								0.8	2.0	0.4			
Derbyshire Downs	65.2										2.2	9.2								28.6			20.0										5.2		
Dirranbandi High School	34.8	44	6			2.0	2.2						5.6							7.0	13.0									3.0	2.0				
Glenorie	90.2	46	9							1.0	2.2							6.0		36.0	3.4	37.0								1.6		3.0			
Hungerford	33.2	26	8		3.8	4.2					12.0									8.0	5.2														
Kenilworth	69.1	47	8									3.2								34.2	6.1	22.0						3.6							
Lochinvar	110.5	66	8																	12.5													98.0		
Morven Post Office	25.6	48	5																3.4	2.6		7.0	4.0							8.6					
Mulga Downs	56.8	33	9		0.8	3.4					11.4	4.6								2.2	10.4	16.0										8.0			
Mungallala	41.8	56	5									1.8						3.6	0.8	3.6	0.6	17.0	3.6						1.0		9.8				
Nindigully	70.2	52	8		1.8	3.0	5.8				1.4	2.4							1.0	42.0	9.4	3.0	0.4												
Noorama	28.0	32	6									28.0																							
Rocky	39.5	62	4		1.0	1.0					18.5								2.0	6.5	3.5	7.0													
Rosehill	52.4	53	6		0.4						0.4	9.6							0.4	18.0	17.6	4.4						1.0	0.4		0.2				
South Plains	54.2	49	6								18.6									17.0	9.4							2.2					7.0		
Tomoo	79.0	50	8																	28.0	7.0	44.0													
Wallen	99.0	40	9							10.2	12.0								2.6	40.0	4.0	24.0							5.0			1.2			
Wansey Downs	104.6	55	9																			45.6											59.0		
Wetlands	67.0	76	7																5.0														62.0		
Whyebah	29.6	46	5									7.6									22.0														
Woodlands	32.6	55	5																		25.0	7.6													
Far Southwest (45)	Total	Avg	Decile	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		
Ballera Gas Field	50.2					0.6		0.2				19.6	0.8							8.0	6.4	11.6	0.2					0.2		2.4	0.2				
Eromanga - Webber St	36.0	21	9									15.0	6.0								14.0	1.0													
Orientos Station	36.4	15	10			4.8						13.0									4.0	4.6								4.6	5.4				
Quilpie Airport	49.8	30	8								2.0	7.4								2.0	27.6	1.0	2.0						4.0		3.8				
South Comongin	32.6	29	7																		20.0									5.0	7.6				
Thargomindah Airport	52.6	38	8			1.2					18.8	3.4								1.8	5.0	2.6	6.0							7.2	6.6				
Thylungra Station	11.8	20	6																		11.8														