

# Monthly Weather Review

## Victoria

### May 2012



Australian Government  
Bureau of Meteorology

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

It is intended to provide a concise but informative overview of the temperatures, rainfall and significant weather events in Victoria 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 Victoria 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 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

Mount Feathertop at sunset, viewed from Mount Hotham.

Photograph by Michael Halfpenny, 10 May 2009. Used with permission.

*If you have a photo you think would make a good cover for the Monthly Weather Review, please contact us at the address above.*

## Overview

- Wetter than normal in the south, dryer than normal in the north
- Night-time temperatures cooler than normal in the north
- Daytime temperatures mostly close to normal

## Extremes in May 2012

<b>Hottest day</b> <i>(Highest daily maximum temperature)</i>
<b>28.2 °C at Ouyen (Post Office) on the 8th</b>
<b>Warmest days on average</b> <i>(Highest mean daily maximum temperature)</i>
<b>19.8 °C at Mildura Airport</b>
<b>Coollest days on average</b> <i>(Lowest mean daily maximum temperature)</i>
<b>3.1 °C at Mount Hotham</b>
<b>Coldest day</b> <i>(Lowest daily maximum temperature)</i>
<b>-2.7 °C at Mount Hotham on the 25th</b>
<b>Coldest night</b> <i>(Lowest daily minimum temperature)</i>
<b>-5.9 °C at Dinner Plain (Mount Hotham Airport) on the 31st</b>
<b>Coollest nights on average</b> <i>(Lowest mean daily minimum temperature)</i>
<b>-1.5 °C at Mount Hotham</b>
<b>Warmest nights on average</b> <i>(Highest mean daily minimum temperature)</i>
<b>11.4 °C at Wilsons Promontory Lighthouse</b>
<b>Warmest night</b> <i>(Highest daily minimum temperature)</i>
<b>15.7 °C at Mildura Airport on the 9th</b> <b>15.7 °C at Point Hicks (Lighthouse) on the 9th</b>
<b>Warmest on average overall</b> <i>(Highest mean temperature)</i>
<b>13.5 °C at Gabo Island Lighthouse</b> <b>13.5 °C at Melbourne Regional Office</b> <b>13.5 °C at Point Hicks (Lighthouse)</b>
<b>Coollest on average overall</b> <i>(Lowest mean temperature)</i>
<b>0.8 °C at Mount Hotham</b>
<b>Wettest overall</b> <i>(Highest total rainfall)</i>
<b>266.4 mm at Wyelangta</b>
<b>Wettest day</b> <i>(Highest daily rainfall)</i>
<b>77.2 mm at Korumburra on the 26th</b>
<b>Highest wind gust</b>
<b>139 km/h at Wilsons Promontory Lighthouse on the 12th</b>

## Significant weather

### Significant wind gusts

A vigorous south-westerly flow developed over southern Victoria during the 12th as a high pressure system began to ridge into Victoria from the west following the passage of a cold front. Some significant wind gusts were recorded at Wilsons Prom including a 139 km/h gust with a mean wind speed of 98 km/h.

### Damaging winds

North to north-westerly winds reached damaging strength across parts of the State, particularly elevated locations, on the 23rd ahead of a cold front. Mt Hotham recorded a gust of 117 km/h while a gust to 102 km/h was recorded at Airey's Inlet.

### Tornado near Stawell

A weak low pressure system developed over north-western Victoria on Thursday the 24th and remained near stationary in the region all day, before moving rapidly into central Bass Strait overnight and deepening during Friday. The system caused isolated thunderstorms across western and north central Victoria during the Thursday afternoon and evening, one of which was severe and spawned a tornado that was sighted near Stawell. A witness was able to take several photographs of the tornado which caused damage across a few properties with large structures thrown hundreds of metres and trees snapped. Fortunately there were no reports of any injuries.

### Heavy rainfall and flooding

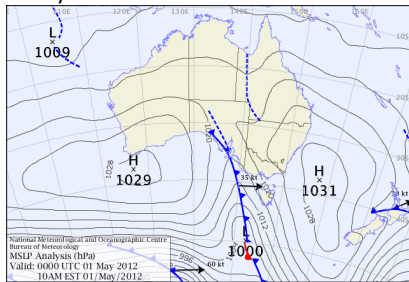
The rainfall that this low brought to southwest Victoria during the 24th became focused over southern central regions overnight and during Friday. Many locations received rain for a solid 10 hours resulting in around 50 mm to 80 mm through southern Gippsland with an isolated peak total of 138 mm at Traralgon South. Minor riverine flooding was experienced in Central, and West and South Gippsland catchments although the Moe River at Darnum continued to rise overnight Friday and exceeded the major flood level indicating a much higher localised rainfall peak likely occurred in the upper parts of the catchment away from any of the rainfall network gauges. As the low deepened during Friday gale force south-westerly winds also developed on the western side of the low. Damaging gusts affected coastal regions of the Central and Gippsland districts with a gust of 118 km/h recorded at Wilsons Prom and 100 km/h at South Channel Island in Port Phillip Bay. The SES received 853 requests for assistance, mostly in relation to building damage, fallen trees and traffic hazards. Two properties were evacuated at San Remo due to over-floor flooding and there were multiple road closures in place in the Gippsland region.

## Synoptic summary

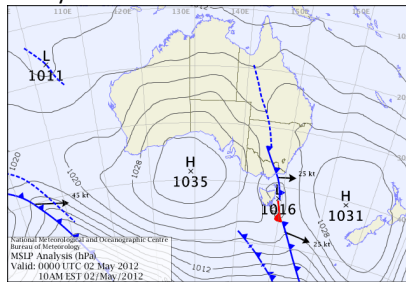
A cold front crossed the State on the first two days of the month with accompanying rain. A cold front approaching from the west on the evening of the 8th weakened on the 9th and moved to the southeast. A stronger cold front over south-western Victoria moved quickly east across the state on the 11th. Over the coming days a high pressure system south of the Bight moved eastward to be centred over north-western Victoria by the evening of the 15th. The high pressure system moved to the northeast as another cold front approached the Bight. The cold front approached southwest Victoria on the 18th and weakened as it moved across Bass Strait the following day. A low pressure system developed over north-western Victoria on the 24th before moving south-eastwards over Melbourne on the morning of the 25th. A high pressure system centred south of the Bight on the 27th moved eastward to cross the State by the end of the month.

# Daily mean sea level pressure analyses

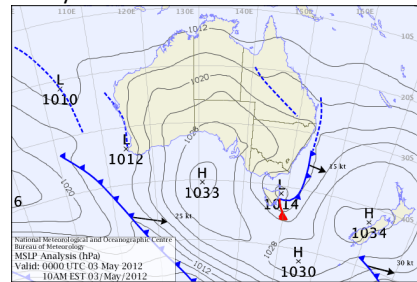
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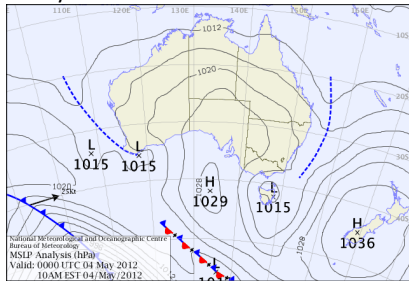
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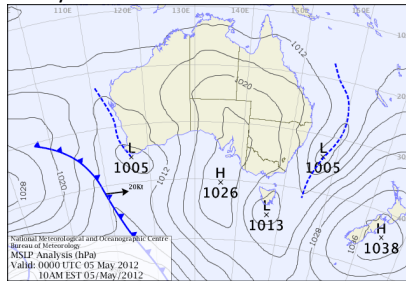
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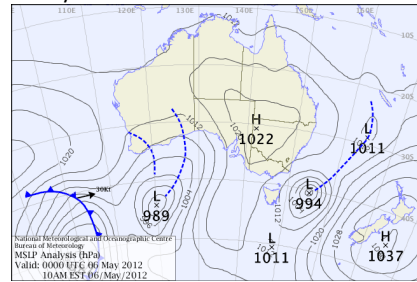
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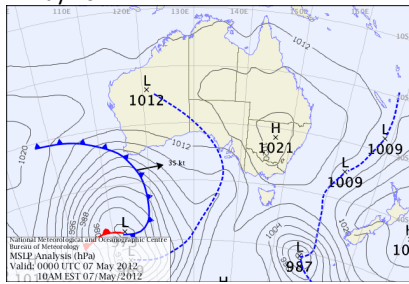
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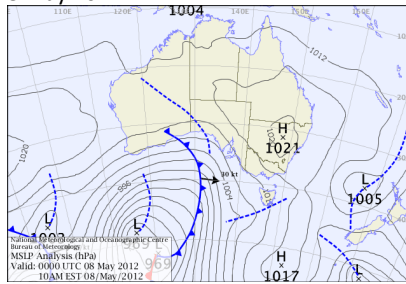
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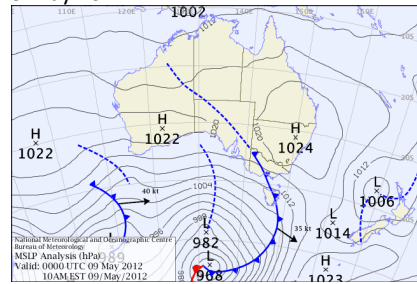
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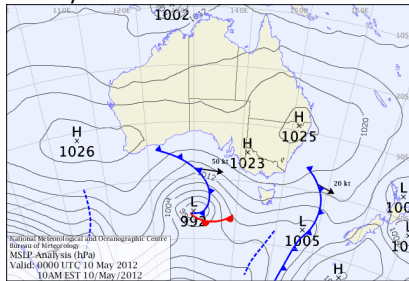
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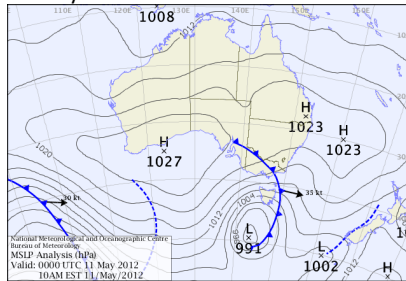
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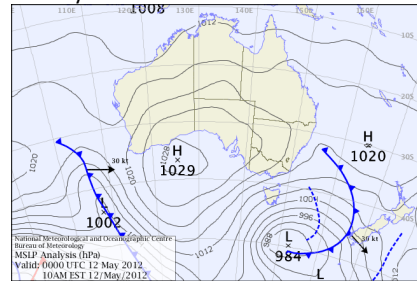
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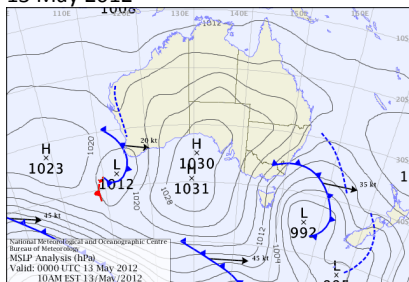
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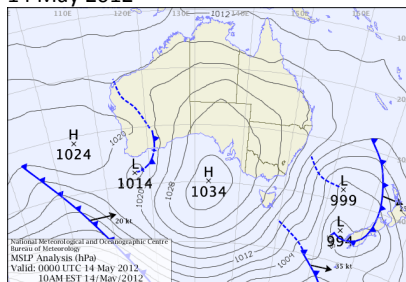
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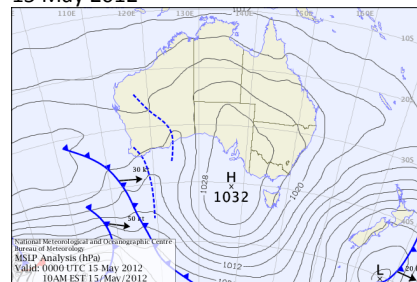
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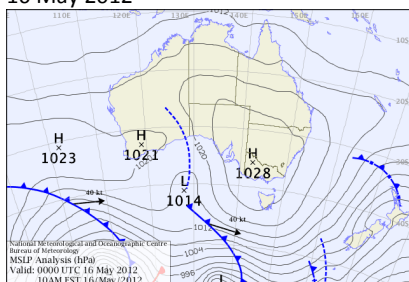
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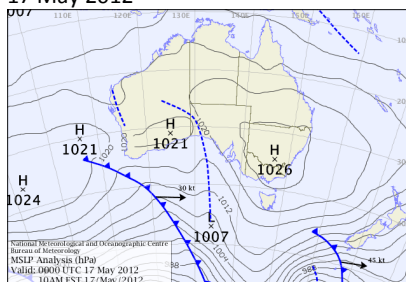
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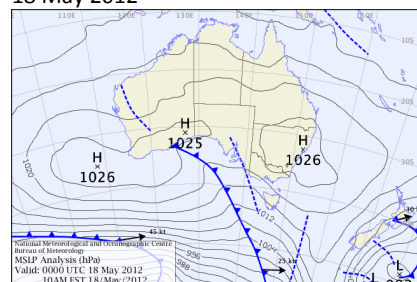
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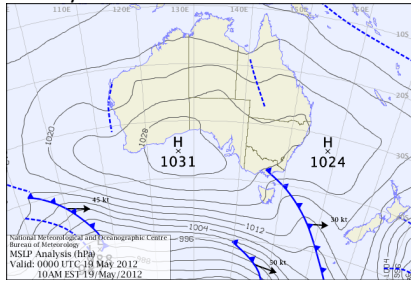
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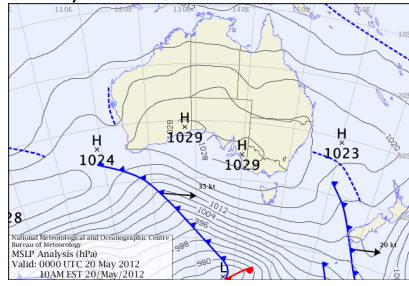
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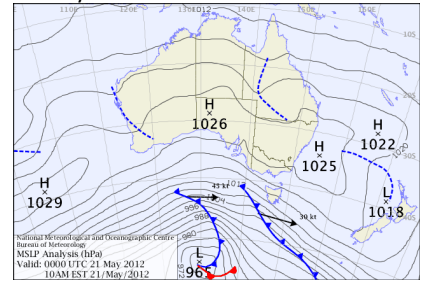
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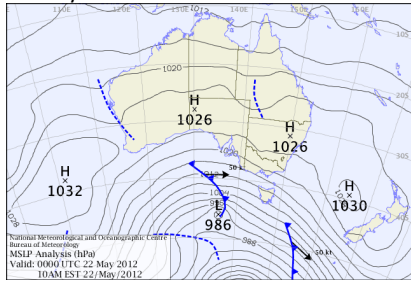
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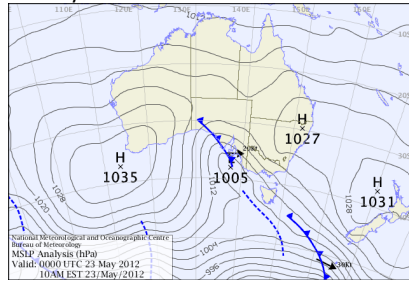
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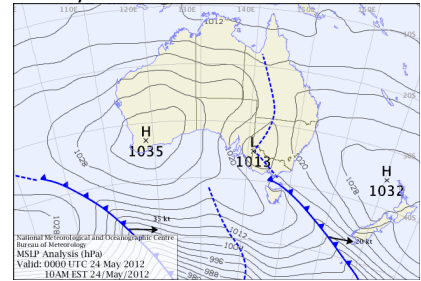
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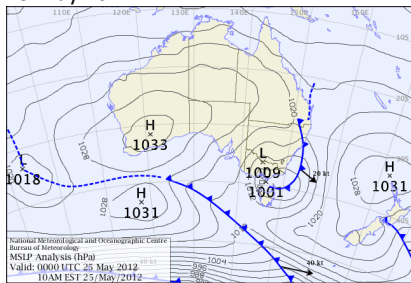
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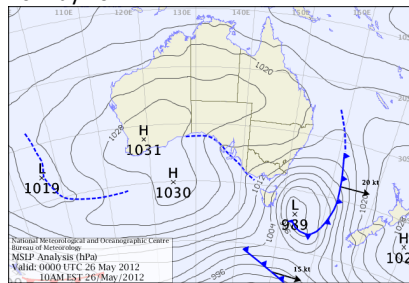
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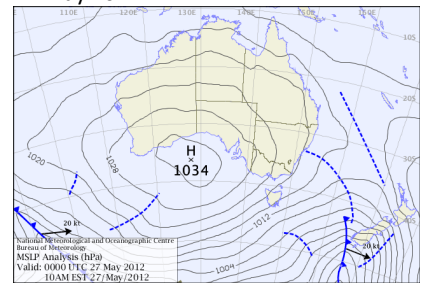
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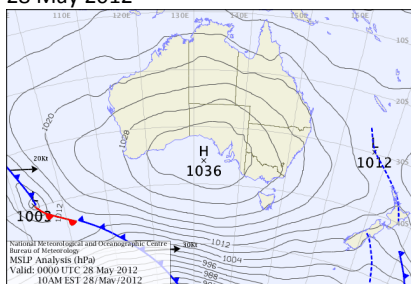
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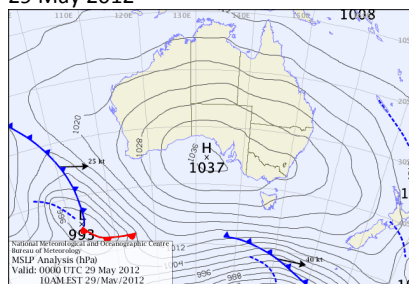
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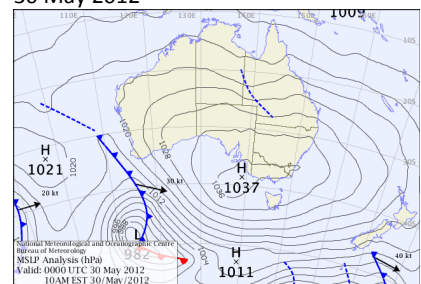
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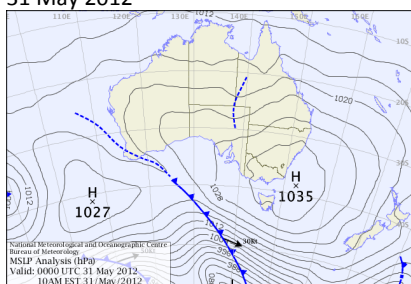
29 May 2012



30 May 2012



31 May 2012



## Temperatures

Average temperatures were close to normal for most of the State during May 2012. The exceptions were parts of the northeast where the average temperatures were below normal to very much below normal, and parts of the southwest where they were warmer than normal. The warmest temperatures on average were 13.5 °C recorded at Gabo Island Lighthouse, Melbourne Regional Office and Point Hicks (Lighthouse). The coolest temperatures on average were recorded at Mount Hotham with 0.8 °C. The mean temperature for Victoria in May 2012 was 10.79 °C, which is 0.45 °C below the 1961–1990 average of 11.24 °C.

### New temperature records

#### Record lowest May daily maximum temperature

	New record	Old record	Years of record
Edi Upper	6.4 on 25th	6.6 on 29th in 2000	25

#### Record lowest May daily minimum temperature

	New record	Old record	Years of record
Warracknabeal Museum	-2.0 on 21st = -2.0 on 16th in 1999		39

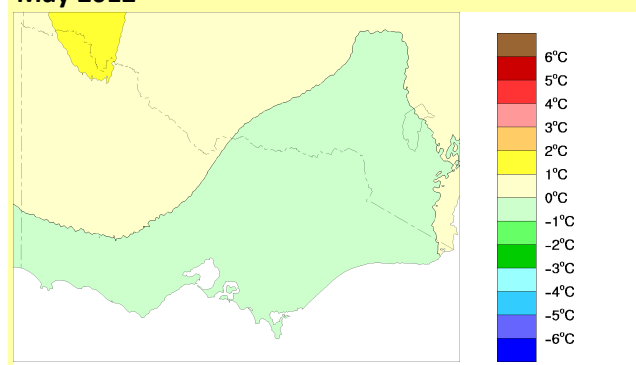
#### Record lowest May mean temperature

	New record	Old record	Years of record
Wangaratta Aero	9.2	9.4 in 2011	25

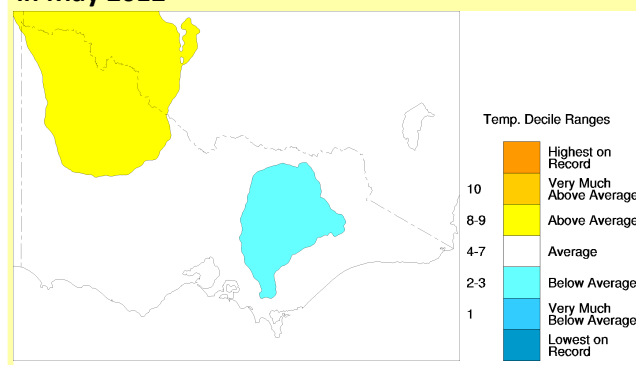
### Maximum temperatures

Maximum temperatures were mostly close to normal for Victoria. There was a patch of warmer than usual average maximum temperatures in the northwest and a patch of cooler than usual temperatures in the east. Most stations in the North East district recorded average maximum temperatures more than 1 °C below normal. The hottest day was the 8th when Ouyen (Post Office) recorded 28.2 °C and the warmest days on average were recorded at Mildura Airport with 19.8 °C. The coolest day was the 25th when Mount Hotham recorded -2.7 °C and Mount Hotham also recorded the coolest days on average with 3.1 °C. The maximum temperature for Victoria in May 2012 was 16.15 °C, which is 0.16 °C above the 1961–1990 average of 15.99 °C.

### Anomalies of mean daily maximum temperature in May 2012



### Decile rank of mean daily maximum temperature in May 2012

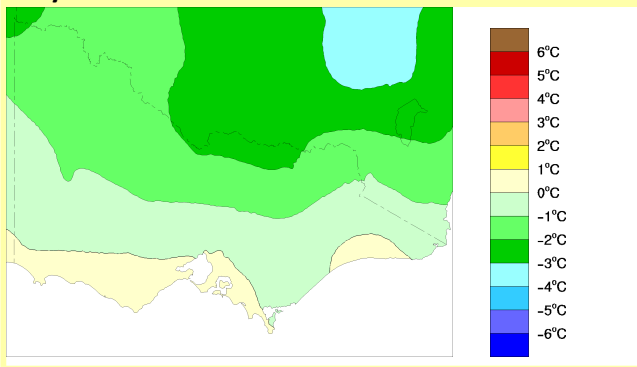


*There could be discrepancies between the values shown on these maps and those at individual locations, as a result of the way the maps are generated.*

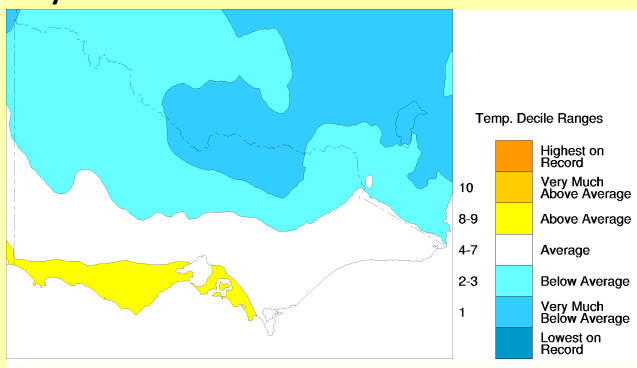
## Minimum temperatures

Average minimum temperatures were cooler than normal in the north of the State. In the south they were average tending to above average in parts of the Central and South West districts. Average minimum temperatures in the Mallee and Northern Country districts were 1 °C to 2 °C below normal. Some stations in the North East district recorded average minimum temperatures more than 2 °C below normal. The coldest night was the 31st when Dinner Plain (Mount Hotham Airport) recorded -5.9 °C and the coolest nights on average were recorded at Mount Hotham with -1.5 °C. The warmest nights on average were recorded at Wilsons Promontory Lighthouse with 11.4 °C and the warmest night for the month was the 9th when both Mildura Airport and Point Hicks (Lighthouse) recorded 15.7 °C. The minimum temperature for Victoria in May 2012 was 5.44 °C, which is 1.06 °C below the 1961–1990 average of 6.50 °C.

### Anomalies of mean daily minimum temperature in May 2012



### Decile rank of mean daily minimum temperature in May 2012

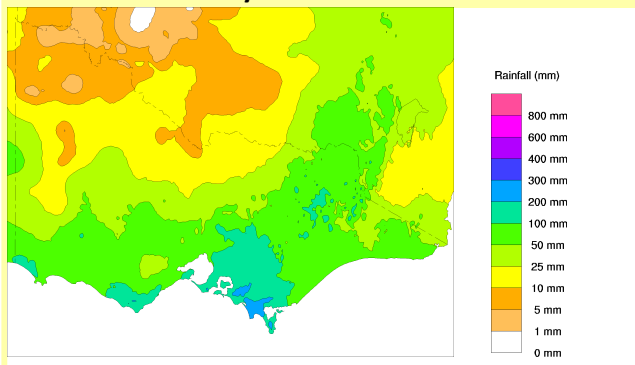


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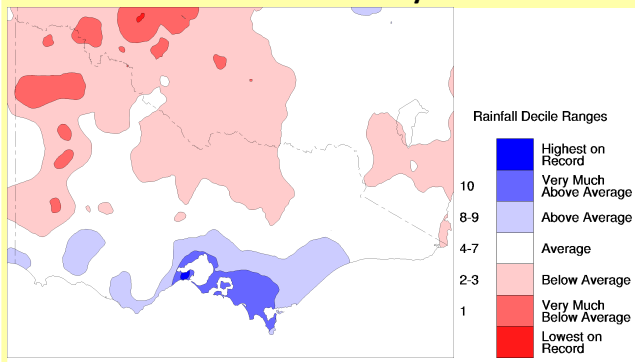
## Rainfall

Rainfall totals for May 2012 were below normal in parts of the north and west, and above normal in parts of the south. Most stations in the north of the Mallee district only recorded 10 % to 20 % of their normal May rainfall. In contrast, some coastal stations in the Central district observed their wettest May on record with more than double their normal rainfall. The wettest station overall was Wyelangta with 266.4 mm and the wettest single day was the 26th when Korumburra recorded 77.2 mm. The average rainfall for Victoria in May 2012 was 47.78 mm, which is 16.98 mm below the 1961–1990 average of 64.76 mm.

### Total rainfall in May 2012



### Decile rank of total rainfall in May 2012



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.

## New rainfall records

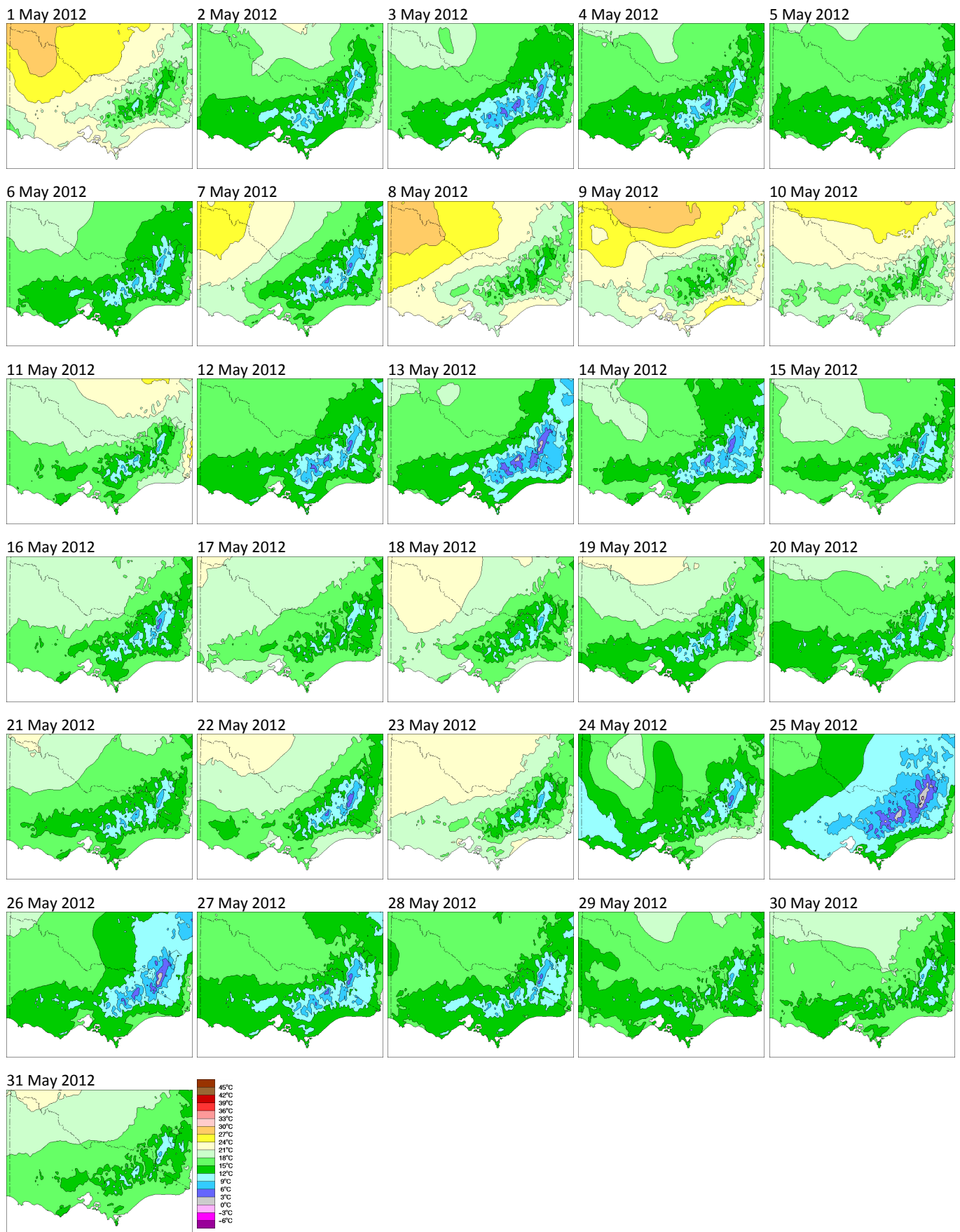
### Record highest May daily rainfall

	New record	Old record	Years of record
Drouin Bowling Club	74.0 on 26th	58.2 on 14th in 1960	113
Korumburra	77.2 on 26th	54.9 on 4th in 1944	112
Trafalgar Toseland Road	74.4 on 26th	61.5 on 16th in 1960	108
Drung Drung	48.0 on 25th	40.2 on 5th in 1988	99
Shoreham	65.2 on 4th	56.1 on 2nd in 1944	99
Gellibrand River West	55.2 on 25th	46.5 on 31st in 1933	96
Dromana Sussex Farm	51.4 on 4th	48.2 on 26th in 1981	52
Nyora (Post Office)	67.0 on 26th	42.7 on 12th in 1971	42
Korumburra Sth Gippsland Water	68.0 on 26th	36.4 on 3rd in 1983	39
Flinders	58.0 on 4th	54.0 on 1st in 2006	30
Phillip Island Penguin Reserve	42.8 on 4th	37.8 on 1st in 1995	30
Hamilton Airport	34.0 on 25th	32.4 on 9th in 1986	29
Noojee Forestry	36.2 on 26th	28.8 on 21st in 1998	23
Cerberus	55.2 on 4th	39.0 on 1st in 1995	21

### Record highest May total rainfall

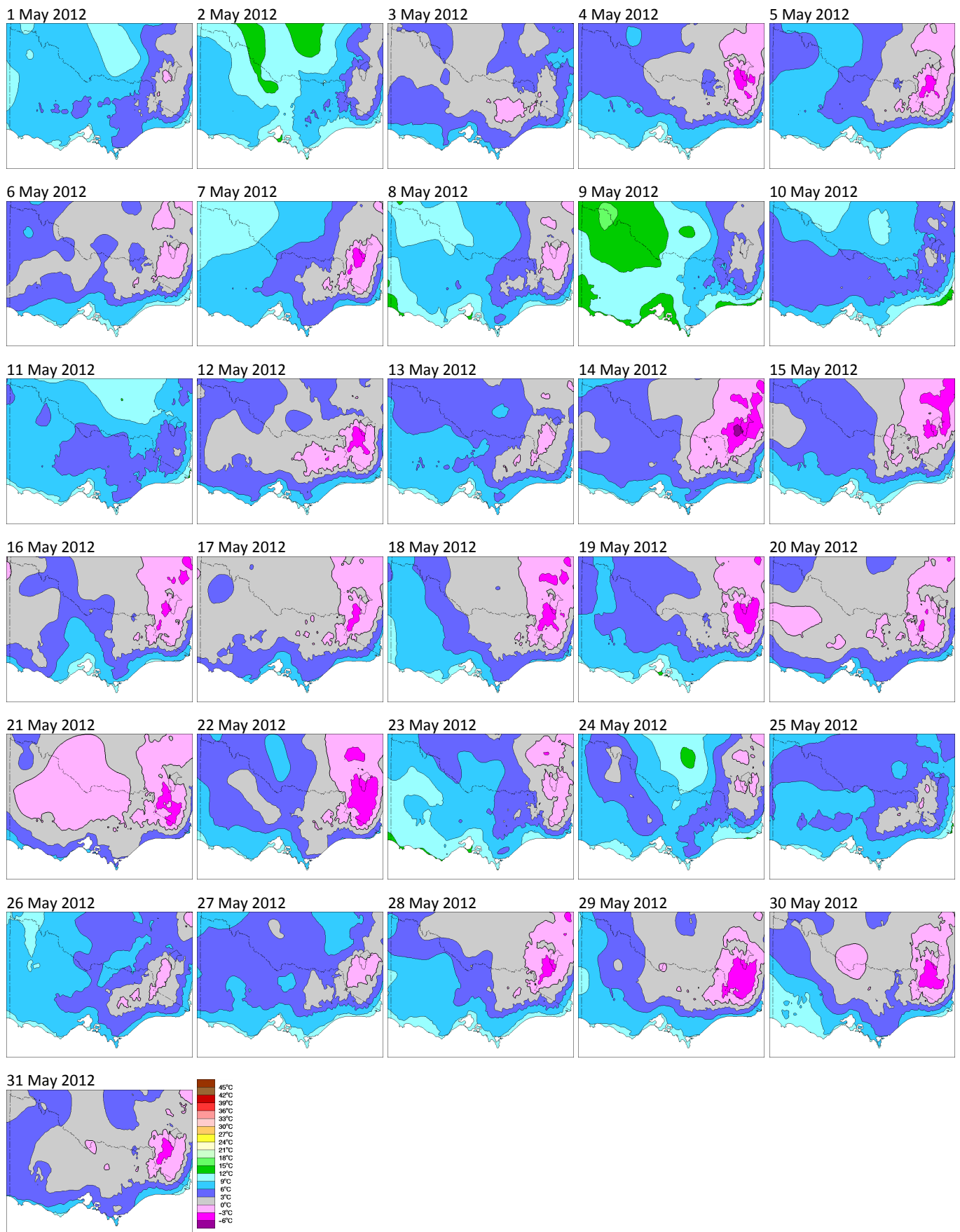
	New record	Old record	Years of record
Dromana Sussex Farm	198.0	176.6 in 2000	52
Buffalo	210.6	144.7 in 1971	42
Nyora (Post Office)	203.6	164.1 in 1971	40
Drysdale (Brimdale)	128.8	103.3 in 1970	39
Koonwarra (Leongatha South)	175.4	133.4 in 1974	39
Korumburra Sth Gippsland Water	201.0	176.0 in 2000	37
Phillip Island Penguin Reserve	150.2	121.4 in 2000	30
Flinders	192.4	155.8 in 2006	29
Cape Liptrap (Illawong)	178.2	133.6 in 2000	21
Cerberus	165.0	128.0 in 2000	21

## Daily maximum temperature for May 2012



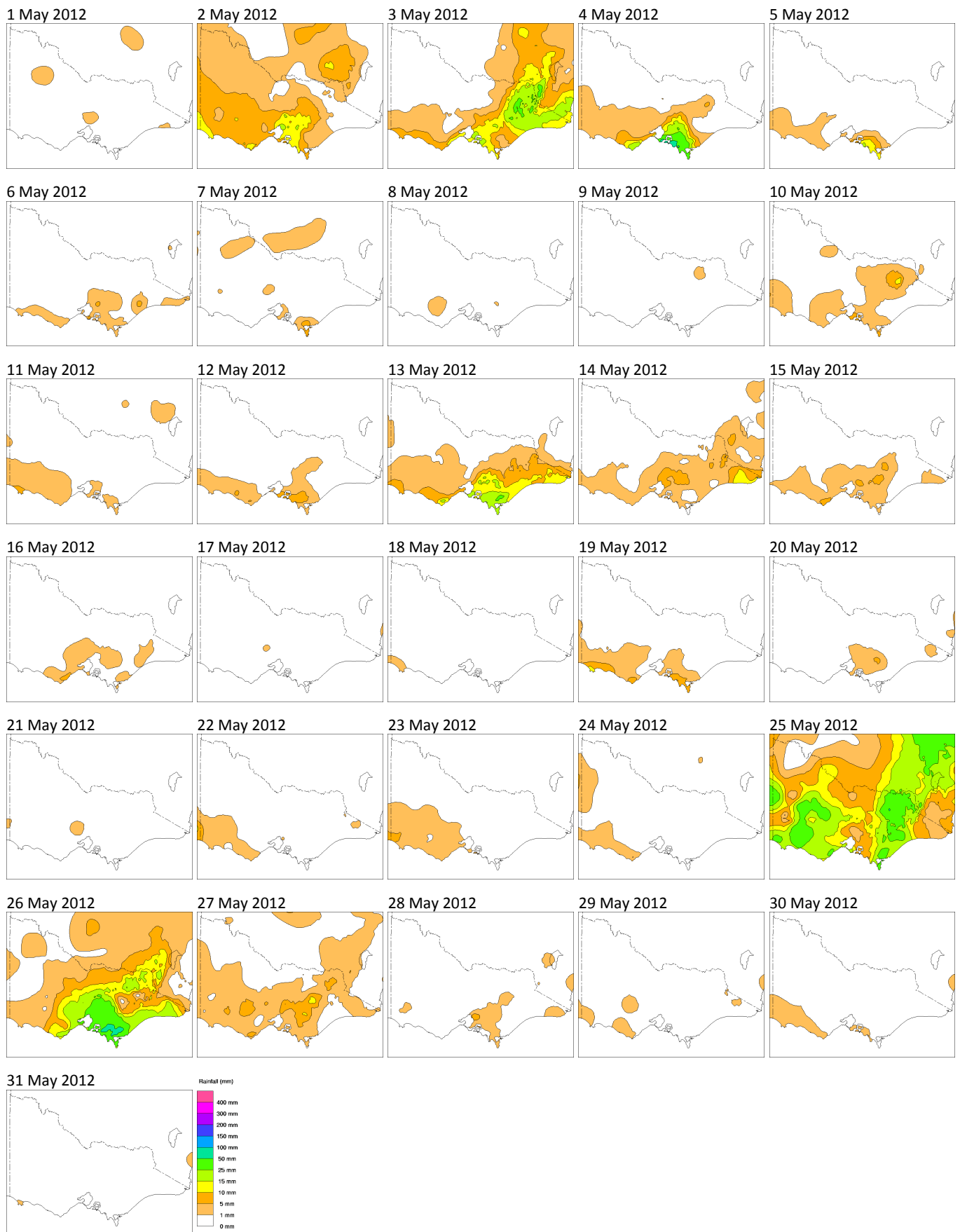
*These maps are presented to give a statewide overview of conditions on each day through the month. There could be discrepancies between the values shown on these maps and those at individual locations, as a result of the way the maps are generated.*

## Daily minimum temperature for May 2012



*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 May 2012



*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 Melbourne in May 2012

Observations and climatology are from the city; except for evaporation, sunshine, wind and weather phenomena which are from Melbourne Airport.

	Observed this month		Climatological value	
<b>Temperature</b>				
Mean daily maximum temperature	17.0 °C		16.7 °C	
Mean daily minimum temperature	10.0 °C		8.6 °C	
Mean temperature	13.5 °C		12.7 °C	
Mean temperature at 9 am	11.8 °C		11.7 °C	
Mean temperature at 3 pm	16.0 °C		16.3 °C	
Highest temperature	22.6 °C	on the 1st	28.7 °C	on the 7th in 1905
Lowest temperature	4.6 °C	on the 21st	-1.1 °C	on the 29th in 1916
Days 30 °C or warmer	0		0.0	
Days 35 °C or warmer	0		0.0	
Nights 5 °C or cooler	1		3.5	
Nights 2 °C or cooler	0		0.4	
<b>Humidity</b>				
Mean relative humidity at 9 am	72 %		77 %	
Mean relative humidity at 3 pm	56 %		59 %	
<b>Pressure</b>				
Mean MSL pressure at 9 am	1022.1 hPa		1020.9 hPa	
Mean MSL pressure at 3 pm	1020.1 hPa		1019.0 hPa	
<b>Wind</b>				
Strongest wind gust	N 72 km/h	on the 25th	N 107 km/h	on the 21st in 1989
Mean wind speed at 9 am	22 km/h		17 km/h	
Mean wind speed at 3 pm	24 km/h		20 km/h	
Days with strong wind	7		5.7	
Days with gales	1		0.6	
Days with gale-force gusts	5		4.9	
<b>Rainfall</b>				
Total precipitation	82.6 mm		56.0 mm	
Number of rain days	20		14.7	
Wettest day	19.8 mm	on the 2nd	51.2 mm	on the 15th in 1974
<b>Sunshine</b>				
Mean daily sunshine	4.1 hours		4.6 hours	
<b>Evaporation</b>				
Mean daily evaporation	2.5 mm		2.4 mm	
<b>Phenomena</b>				
Days of thunder	0		0.5	
Days of hail	0		0.1	
Days of frost	0		0.3	
Days of fog	2		2.5	
Days with mist or haze	11		13.5	

### Daily and mean maximum temperatures for May 2012

Mean is the average of the daily maximum temperature for May 2012; it is only shown if there are sufficient days available. Anom is the difference between the mean daily maximum temperature for May 2012 and the long-term average maximum temperature for May. Decile is the decile rank of mean daily maximum temperature for May 2012 in the climate record of other May 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 May 2012 are highlighted.

Table with columns for location, Mean, Anom, Decile, and 31 days of daily maximum temperatures. Locations include North Mallee (76), South Mallee (77), North Wimmera (78), South Wimmera (79), Lower North (80), Upper North (81), Lower Northeast (82), Upper Northeast (83), East Gippsland (84), West Gippsland (85), East Central (86), West Central (87), North Central (88), and Western Plains (89).

### Daily and mean maximum temperatures for May 2012

**Mean** is the average of the daily maximum temperature for May 2012; it is only shown if there are sufficient days available. **Anom** is the difference between the mean daily maximum temperature for May 2012 and the long-term average maximum temperature for May. **Decile** is the decile rank of mean daily maximum temperature for May 2012 in the climate record of other May 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 May 2012 are highlighted.

West Coast (90)	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	31
Aireys Inlet	16.1	0.0	6	22.9	13.1	12.4	15.4	14.0	14.0	17.8	21.7	21.6	18.8	15.9	14.1	13.4	14.7	16.3	15.2	18.0	19.8	15.6	16.3	15.7	16.2	20.0	12.6	11.4	15.6	13.8	14.3	15.8	16.0	16.5
Cape Nelson Lighthouse	15.9	-0.1	6	17.8	13.7	14.6	14.0	14.8	15.4	17.7	22.4	19.0	18.4	14.8	14.5	14.1	14.8	16.2	17.0	19.2	16.6	14.6	14.5	16.0	16.7	19.8	13.3	13.6	14.3	13.5	14.3	15.8	15.9	17.0
Cape Otway Lighthouse	15.4	-0.2	5	22.3	13.2	13.3	13.7	13.8	14.1	16.1	20.9	19.1	17.2	14.5	14.0	14.2	14.5	15.6	14.9	16.9	16.7	14.4	14.6	15.1	15.3	19.5	14.2	13.0	13.7	13.7	13.6	15.1	15.0	14.2
Casterton	15.7			20.3	13.8	15.1	13.1	13.8	15.1	19.7	23.0	18.3	17.9	15.7	13.6	14.6	15.7	15.2	16.5	18.2	17.7	14.3	13.7	15.3	15.1	19.9	10.6	12.0	14.1	14.0	14.6	14.5	14.9	15.6
Colac (Mount Gellibrand)	14.6	-0.4	2	21.8	12.4	10.7	13.0	12.6	11.8	16.8	20.9	20.8	17.1	14.3	12.3	12.9	14.3	15.1		17.6	18.4	13.8	13.3	15.3	15.2	19.8	11.4	9.3	12.9	12.3	12.6	12.9	12.5	14.2
Dartmoor	15.8			17.7	14.4	15.2	14.0	14.6	14.7	19.7	22.3	18.7	17.8	15.2	14.1	14.8	15.7	14.9	16.3	17.7	18.4	14.4	14.1	15.5	16.5	20.1	11.3	12.5	14.8	13.6	14.7	14.6	15.2	15.3
Hamilton Airport	15.3	-0.4	4	21.7	13.5	15.0	13.6	14.4	14.6	19.6	21.9	20.6	17.5	15.4	13.5	12.8	14.9	15.9	15.4	17.2	18.0	14.2	12.1	14.5	13.3	19.4	10.8	11.2	12.7	13.1	14.7	14.1	14.4	15.8
Mortlake Racecourse	16.1	0.0	5	23.5	14.2	14.0	13.1	14.1	14.3	20.1	23.0	21.3	19.1	15.7	14.0	14.7	15.5	15.3	16.0	19.3	19.7	15.2	14.7	16.1	15.3	20.5	11.2	11.5	13.2	13.7	15.6	15.2	14.7	16.7
Port Fairy AWS	16.8	+0.1	5	21.1	14.4	15.3	14.8	15.5	15.5	19.9	22.7	19.5	19.4	16.4	15.0	15.4	16.1	17.0	17.9	18.6	19.9	14.9	15.8	16.8	16.6	21.0	13.6	13.6	14.4	14.6	15.9	16.0	15.9	17.9
Portland (Cashmore Airport)	15.7	-0.1	5	17.6	13.6	15.2	14.8	14.7	14.7	18.8	21.4	19.1	18.0	15.4	14.3	14.3	15.7	15.6	16.3	17.7	17.1	14.5	14.3	15.5	16.6	19.5	12.7	12.4	13.4	14.3	14.6	15.1	14.8	16.2
Portland NTC AWS	15.8			18.8	13.8	14.8	14.4	14.6	15.2	18.7	21.1	18.7	17.6	15.4	14.5	14.7	14.9	15.6	16.0	17.6	17.1	14.5	14.4	15.8	16.5	20.4	13.5	13.1	14.1	13.8	14.2	15.5	15.6	16.1
Warrnambool Airport NDB	16.1	-0.4	4	21.0	14.1	15.1	14.4	14.9	14.7	18.5	21.8	19.7	18.5	15.9	14.3	15.2	15.6	16.5	17.0	17.6	18.8	15.1	15.4	15.4	15.8	20.0	12.3	11.8	14.0	13.9	14.7	15.9	14.6	16.9

### Daily and mean minimum temperatures for May 2012

Mean is the average of the daily minimum temperature for May 2012; it is only shown if there are sufficient days available. Anom is the difference between the mean daily minimum temperature for May 2012 and the long-term average minimum temperature for May. Decile is the decile rank of mean daily minimum temperature for May 2012 in the climate record of other May 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 May 2012 are highlighted.

Table with columns for station name, Mean, Anom, Decile, and 31 daily temperature columns. Rows are grouped by region: North Mallee (76), South Mallee (77), North Wimmera (78), South Wimmera (79), Lower North (80), Upper North (81), Lower Northeast (82), Upper Northeast (83), East Gippsland (84), West Gippsland (85), East Central (86), West Central (87), North Central (88), and Western Plains (89).

### Daily and mean minimum temperatures for May 2012

**Mean** is the average of the daily minimum temperature for May 2012; it is only shown if there are sufficient days available. **Anom** is the difference between the mean daily minimum temperature for May 2012 and the long-term average minimum temperature for May. **Decile** is the decile rank of mean daily minimum temperature for May 2012 in the climate record of other May 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 May 2012 are highlighted.

West Coast (90)	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	31
Aireys Inlet	9.5	-0.3	3	11.2	10.4	7.2	9.3	9.0	8.5	8.6	11.8	13.6	9.7	10.3	6.4	9.4	10.4	9.4	10.4	7.6	10.8	11.1	8.2	6.8	8.7	11.0	10.9	9.4	8.4	9.7	9.4	8.5	8.9	10.1
Cape Nelson Lighthouse	10.7	-0.1	5	10.5	10.0	9.8	11.7	10.9	11.3	9.8	12.5	13.5	10.3	12.3	10.5	11.1	11.5	11.3	8.3	6.4	10.9	11.4	8.6	8.0	9.1	12.6	10.1	10.6	10.7	11.6	12.0	12.0	12.5	8.9
Cape Otway Lighthouse	10.8	+0.8	8	11.2	10.8	9.3	10.3	10.9	10.9	9.2	11.9	15.4	10.7	11.2	9.8	10.2	10.4	11.7	11.0	8.6	11.5	11.7	8.9	8.0	10.2	12.6	10.4	11.1	10.7	10.9	10.7	11.0	12.1	11.5
Casterton	6.7			8.1	6.8	4.3	7.8	5.6	2.3	6.0	12.3	12.6	5.1	6.9	3.7	7.7	5.7	8.0	4.4	3.6	8.6	8.0	2.7	4.2	7.9	11.3	7.6	6.8	7.6	3.9	7.8	7.7	8.8	4.6
Colac (Mount Gellibrand)	7.4	-0.5	3	8.5	8.3	5.5	7.6	6.9	6.3	8.1	9.1	10.1	7.4	8.4	4.7	7.0	6.8	7.3	8.9	7.0	8.5	9.1	6.7	3.4	5.3	9.0	8.3	7.8	5.6	6.5	7.4	8.3	8.3	8.6
Dartmoor	7.1			7.1	6.7	6.7	8.3	7.8	3.1	6.3	12.7	12.9	5.4	7.1	2.1	7.3	6.7	8.8	6.1	1.8	4.8	7.4	4.8	6.4	9.4	11.8	7.2	7.9	8.4	5.4	7.2	8.4	9.2	3.8
Hamilton Airport	6.3	-0.2	5	8.2	7.3	4.6	6.4	6.5	5.3	8.2	9.0	12.0	4.6	8.1	2.9	6.6	5.5	5.9	1.8	2.8	8.1	7.4	2.7	1.7	5.8	9.2	8.0	5.9	7.6	4.8	8.7	6.8	8.9	4.7
Mortlake Racecourse	6.6	+0.1	7	7.3	7.7	6.4	8.1	6.8	7.2	6.4	6.7	10.1	4.6	7.7	3.9	8.2	3.4	5.9	2.0	3.1	8.5	6.2	3.0	1.8	7.7	10.4	8.9	8.3	7.9	5.4	8.8	8.4	9.8	3.8
Port Fairy AWS	10.0	+1.0	10	7.8	10.8	10.8	11.4	11.0	9.4	9.3	11.6	12.7	7.8	10.4	10.4	11.4	11.5	12.3	4.5	4.9	8.8	10.9	7.7	5.5	9.3	12.1	10.9	10.6	10.7	12.1	12.2	11.1	11.7	7.1
Portland (Cashmore Airport)	8.8	+0.5	9	7.8	9.5	9.9	10.4	7.8	5.3	8.5	11.8	11.2	7.9	10.3	8.7	10.1	9.9	9.7	7.4	4.2	7.8	7.6	6.0	7.0	9.4	12.2	9.5	9.5	10.0	10.2	9.9	7.6	9.9	6.2
Portland NTC AWS	10.6			10.5	11.0	10.7	11.7	10.1	8.6	10.4	13.0	14.4	9.8	11.4	10.4	11.3	11.7	11.4	8.3	6.4	9.7	11.6	8.1	9.1	10.0	13.1	10.8	10.5	11.1	12.1	11.8	9.6	11.5	9.6
Warrnambool Airport NDB	7.9	+0.7	9	5.6	9.0	7.8	8.7	8.1	8.0	7.5	11.1	10.4	6.8	8.3	5.9	9.0	9.2	7.8	2.5	2.5	7.7	8.8	5.0	5.2	9.0	11.6	9.7	9.2	9.0	9.6	10.5	7.9	9.5	4.7





