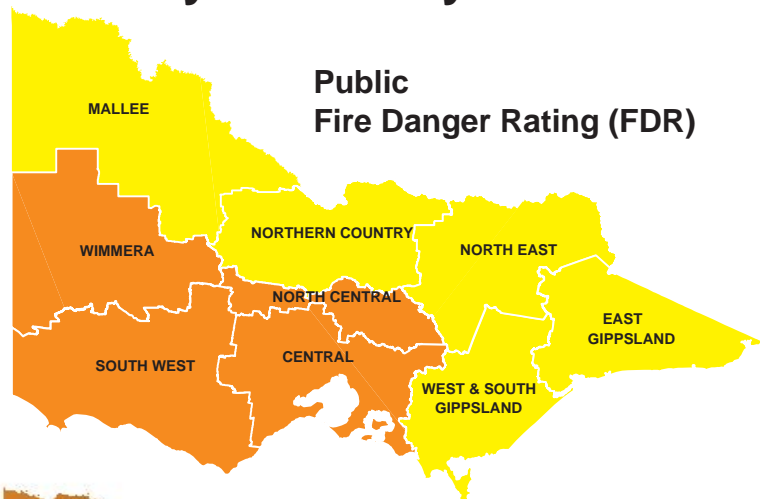


Saturday 8 February 2014

# SCC FIRE WEATHER BRIEFING

Prepared 10.30am 8 February 2014



**Public Fire Danger Rating (FDR)**

**Fire Danger Rating**

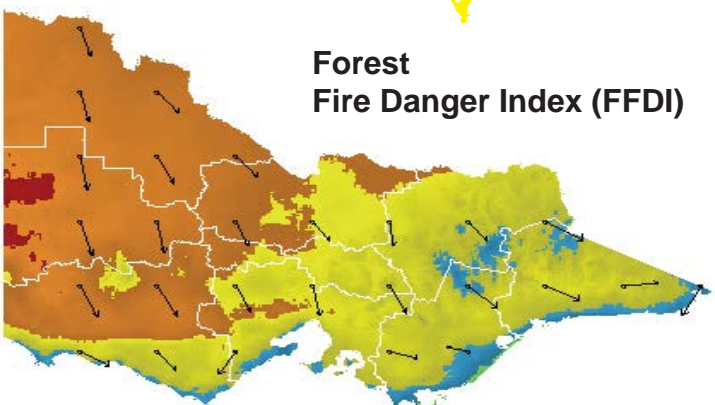
- CODE RED
- EXTREME
- SEVERE
- VERY HIGH
- HIGH
- MODERATE/LOW

## Fire Danger

Max temps generally 38-43°C, slightly cooler near the coast and in the east. Afternoon humidity generally 8-15%, reaching 30% near the coast. Moderate north to northwest winds. Afternoon seabreezes. C-Haines reaching 10-13. A warm, dry night to follow with poor humidity recovery.

## Lightning potential

New expectations of the risk of dry thunderstorms developing near the coast (within 50km) on the seabreeze front during the afternoon. The greatest risk is in the South West due to a lingering surface trough.



**Forest Fire Danger Index (FFDI)**

**FFDI**

- 100+
- 75-99
- 50-74
- 25-49
- 12-24
- 0-11

Max Forest Fire Danger Index Sat 08  
Wind at 2PM Sat 08



**Grassland Fire Danger index (GFDI)**

**GFDI**

- 150+
- 100-149
- 50-99
- 25-49
- 12-24
- 0-11

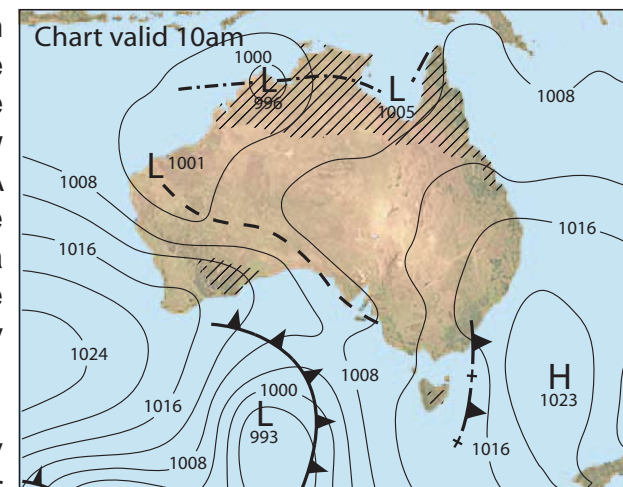
Max Grass Fire Danger Index Sat 08  
Wind at 2PM Sat 08

## Precipitation forecast

Chance of high based showers and thunderstorms near the coast during the afternoon. Less than 5mm of rain likely to be associated with any shower/storm activity.

## Synoptic pattern and forecast

A “quasi-stationary” high pressure system over the Tasman Sea extends a ridge into Central Australia. A low pressure trough near the SA coast is predicted to move slowly toward Victoria, while a cold front crossing the Southern Ocean rapidly catches up with the trough.



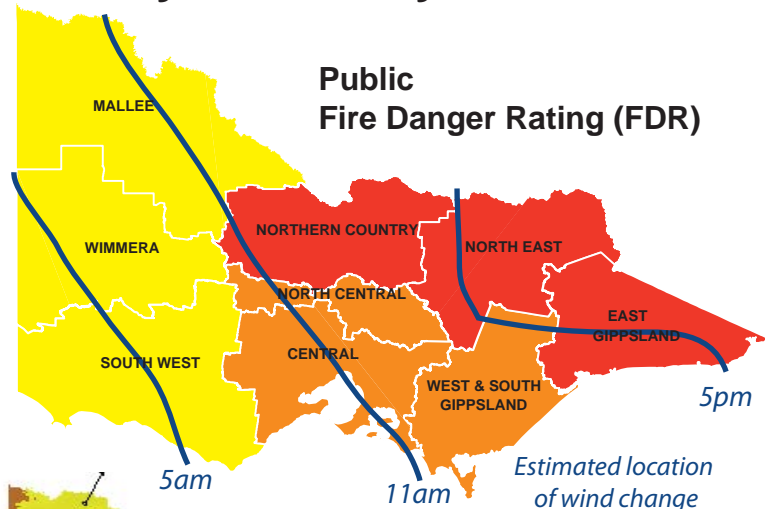
Hot to very hot and mostly sunny although some milder sea breezes about the coastal fringe. The chance of afternoon thundery showers near the coast late afternoon and evening. Generally light to moderate northerly winds, fresh at times over western districts.

This weather briefing package is prepared by the meteorologist in the State Control Centre to assist fire agencies with preparedness and is not to be distributed without permission.

Sunday 9 February 2014

# SCC FIRE WEATHER BRIEFING

Prepared 10.30am 8 February 2014

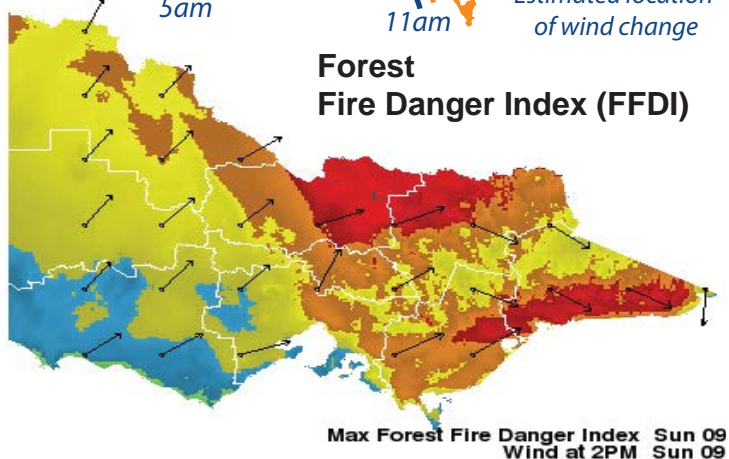


### Fire Danger Rating

- CODE RED
- EXTREME
- SEVERE
- VERY HIGH
- HIGH
- MODERATE/LOW

**Critical fire weather ahead of wind change**

**Potential severe wind gusts**

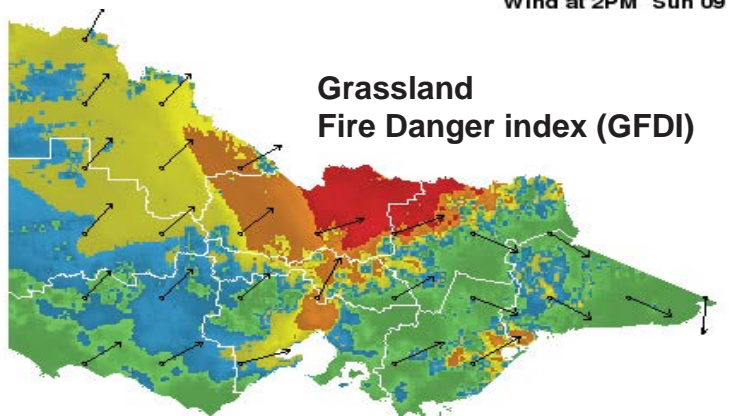


### Forest Fire Danger Index (FFDI)

### FFDI

- 100+
- 75-99
- 50-74
- 25-49
- 12-24
- 0-11

Max Forest Fire Danger Index Sun 09  
Wind at 2PM Sun 09



### Grassland Fire Danger index (GFDI)

### GFDI

- 150+
- 100-149
- 50-99
- 25-49
- 12-24
- 0-11

Max Grass Fire Danger Index Sun 09  
Wind at 2PM Sun 09

## Fire Danger

Warm night with poor humidity recovery early morning. Maximum temps 38-42°C ahead of an early cool change. Afternoon RH generally 8-15% ahead of the change. Locally strong northerly winds early morning ahead of a gusty southwest wind change. C-Haines reaching 10-13.

## Lightning potential

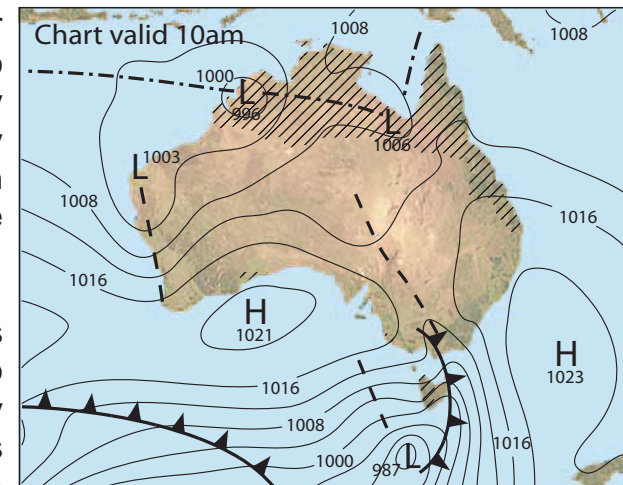
Given the dynamic nature of the situation and the presence of a strong upper jet there is an analysed risk of thunderstorm development over the southwest behind the change during the morning.

## Precipitation forecast

Precipitation likely to be localised with showers and possible thunderstorms over the southwest, with totals typically 5mm or less.

## Synoptic pattern and forecast

A low pressure trough over western Victoria is expected to be captured by a rapidly approaching cold front Sunday morning, which is then predicted to sweep across the State.



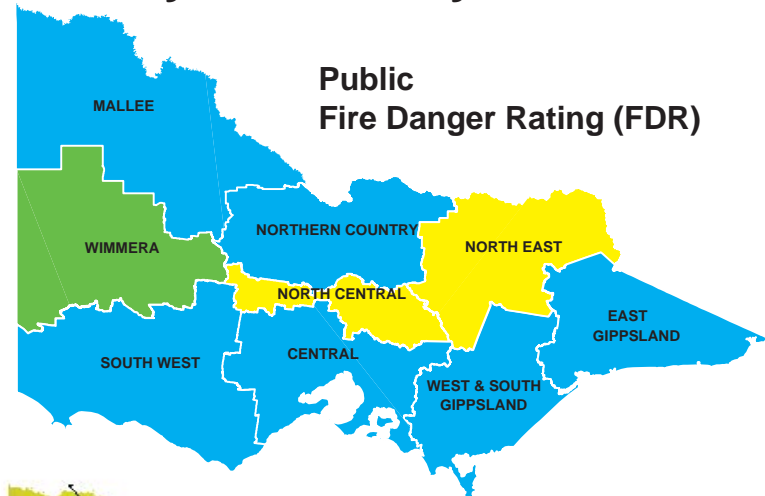
Hot at first over most districts with freshening north to northwesterly winds, locally strong over central districts and the eastern highlands. A gusty cooler southwesterly change in the west early in the morning, moving to central districts and the northwest by late morning then extending into eastern districts during the afternoon. Isolated showers in the southwest with and following the change.

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Monday 10 February 2014

# SCC FIRE WEATHER BRIEFING

Prepared 10.30am 8 February 2014



**Public Fire Danger Rating (FDR)**

**Fire Danger Rating**

- CODE RED
- EXTREME
- SEVERE
- VERY HIGH
- HIGH
- MODERATE/LOW

## Fire Danger

Conditions stabilise very quickly on Monday. Maximum temps 31-37°C in the north and 22-28°C in the south. Afternoon humidity grading from 8-20% in the north to 20-40% in the south. Light to moderate southeasterly airflow with locally fresh afternoon coastal seabreezes.

## Lightning potential

Nil.

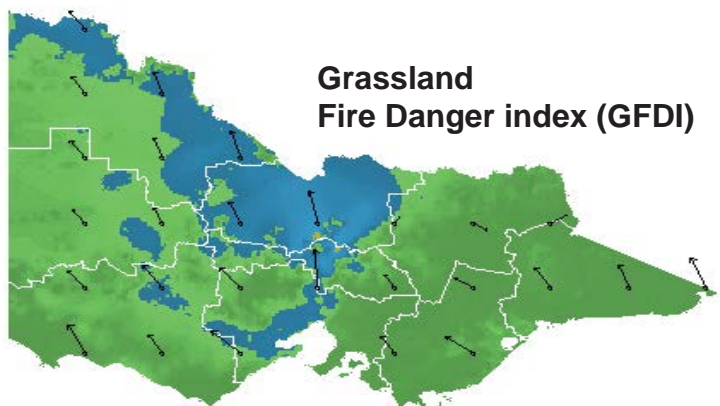


**Forest Fire Danger Index (FFDI)**

**FFDI**

- 100+
- 75-99
- 50-74
- 25-49
- 12-24
- 0-11

Max Forest Fire Danger Index Mon 10  
Wind at 2PM Mon 10



**Grassland Fire Danger index (GFDI)**

**GFDI**

- 150+
- 100-149
- 50-99
- 25-49
- 12-24
- 0-11

Max Grass Fire Danger Index Mon 10  
Wind at 2PM Mon 10

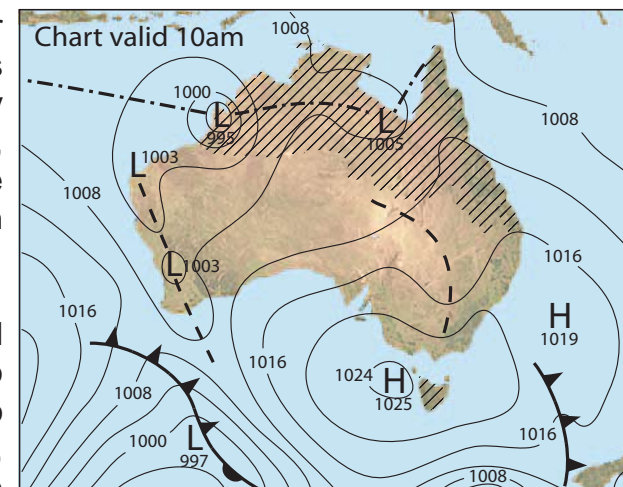
## Precipitation forecast

Nil.

## Synoptic pattern and forecast

A high pressure system over the Southern Ocean is predicted to move slowly across Tasmania on Monday, while an inland low pressure trough extends into eastern Victoria from NSW.

Fine and mainly sunny. Mild to warm in the south, warm to very warm inland. South to southeasterly winds, moderate to fresh in the south.

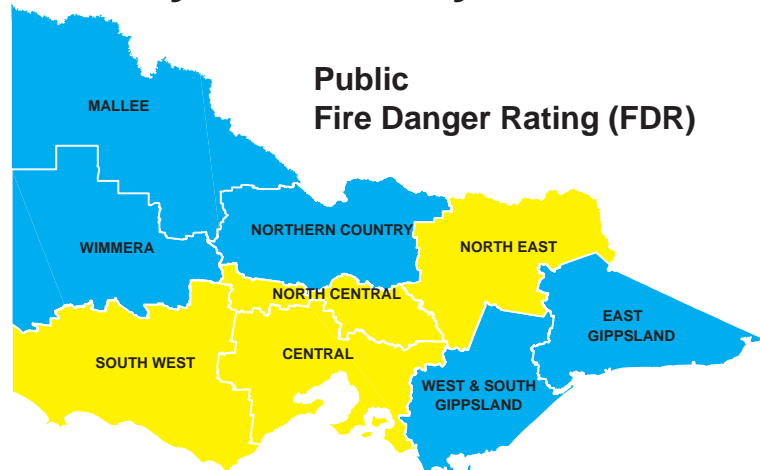


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Tuesday 11 February 2014

# SCC FIRE WEATHER BRIEFING

Prepared 10.30am 8 February 2014



**Public Fire Danger Rating (FDR)**

**Fire Danger Rating**

- CODE RED
- EXTREME
- SEVERE
- VERY HIGH
- HIGH
- MODERATE/LOW

## Fire Danger

Max temps ranging from 35-39°C in the north and west to 25-32°C elsewhere. Afternoon RH falling to 10-20%, closer to 30-50% near the coast. Generally light easterly winds inland. Moderate to locally fresh afternoon coastal seabreezes.

## Lightning potential

Nil.

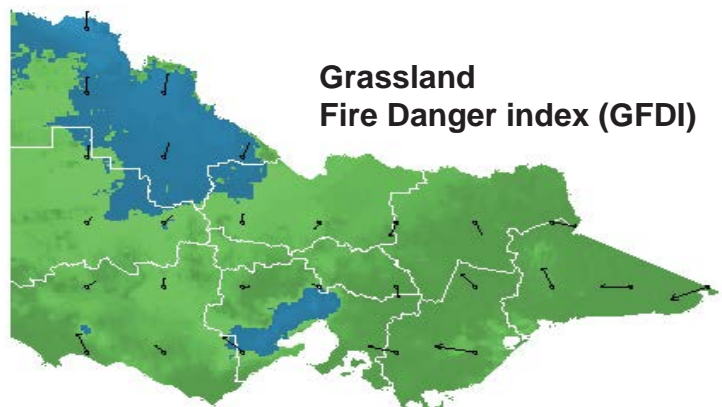


**Forest Fire Danger Index (FFDI)**

**FFDI**

- 100+
- 75-99
- 50-74
- 25-49
- 12-24
- 0-11

Max Forest Fire Danger Index Tue 11  
Wind at 2PM Tue 11



**Grassland Fire Danger index (GFDI)**

**GFDI**

- 150+
- 100-149
- 50-99
- 25-49
- 12-24
- 0-11

Max Grass Fire Danger Index Tue 11  
Wind at 2PM Tue 11

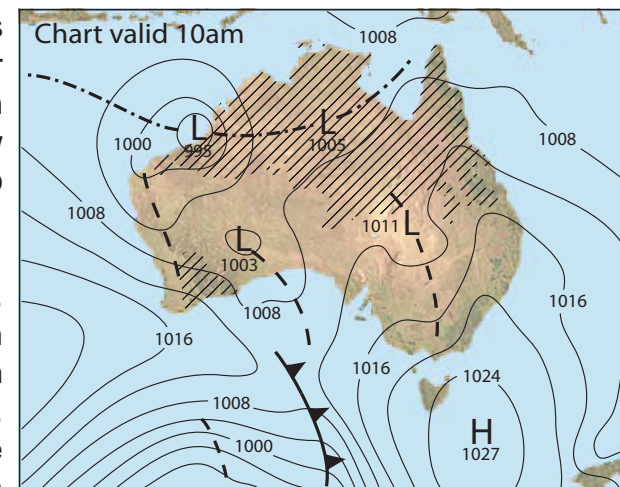
## Precipitation forecast

Nil.

## Synoptic pattern and forecast

A high pressure system is expected to move slowly over the south Tasman Sea on Tuesday, while an inland low pressure trough extends into northeast Victoria.

Fine and generally sunny. Very warm to hot in the north and west but milder in Gippsland and near the coast. Light to moderate southeasterly wind and fresh afternoon sea breezes.



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# EXTENDED OUTLOOK

## Wednesday 12 February 2014

### Forecast confidence

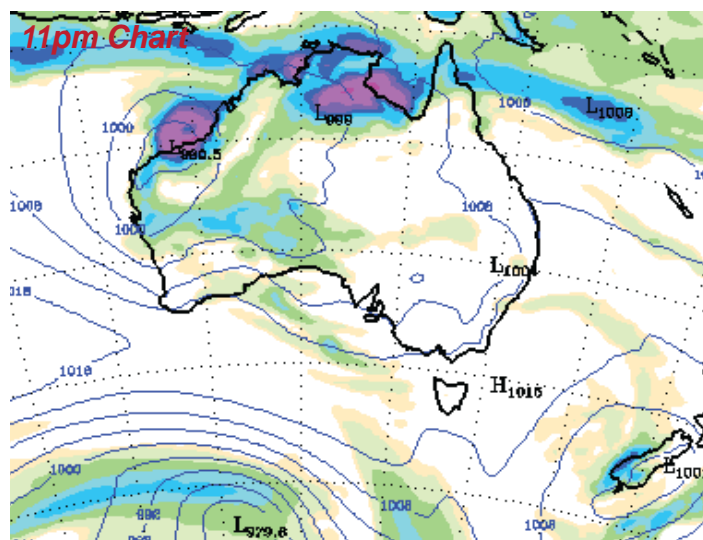
Moderate.

### Weather model discussion

The global weather models maintain a weak high pressure system over the Tasman Sea, while the continent is essentially covered by a broad low pressure trough. The guidance tends to indicate a continuation of warm to hot and dry conditions dry across the State on Wednesday with predominately light winds and afternoon coastal seabreezes. There is a chance of isolated afternoon showers over the southwest.

### Statement on fire danger

Grassland fire danger reaching High in the north, possibly Very High in the west. Forest fire danger Very High, possibly reaching Severe in the north.



## Thursday 13 February 2014

### Forecast confidence

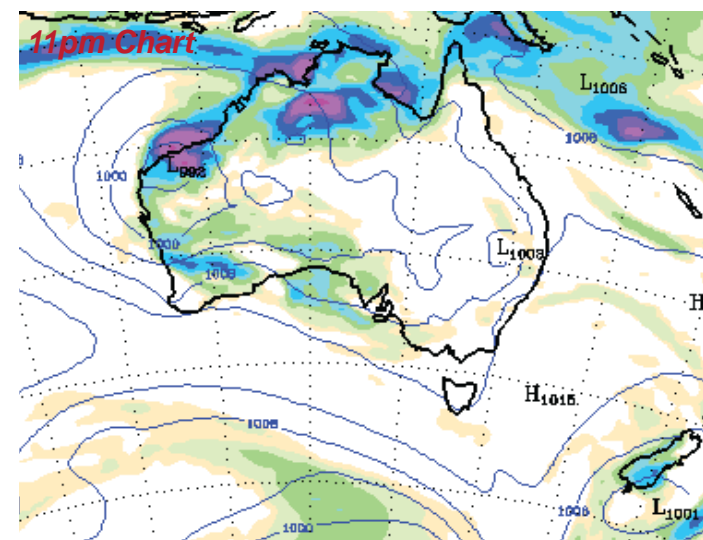
Moderate.

### Weather model discussion

Some divergence in between the global weather models but suggest an inland low pressure trough extends from SA into western Victoria. Perhaps the greatest difference exists in the moisture single, which could remain dry or as suggested in the chart below isolated showers may develop during the afternoon in the west and north. Hot in the north with light winds, warm to hot in the south with light to moderate southerly winds and afternoon coastal seabreezes.

### Statement on fire danger

Grassland fire danger High grading to Very High over the northwest. Forest fire danger High to Very High grading to Severe in the northwest.



## Friday 14 February 2014

### Forecast confidence

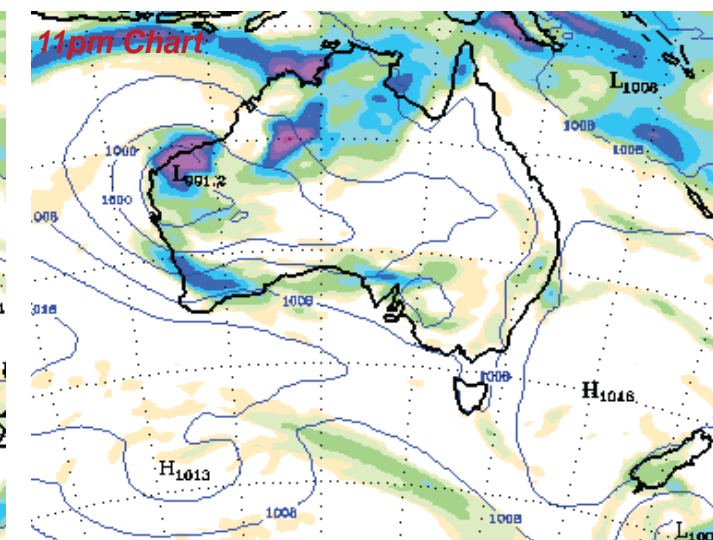
Low.

### Weather model discussion

The weak pressure gradient for Victoria, as indicated in the chart below, is a feature of all the global weather models. There is also a precipitation signature in all models surveyed, although as would be expected the spatial extent and amount varies considerably. The airmass is likely to remain warm to hot and could end up being relatively humidity, leading to scattered shower and thunderstorm activity.

### Statement on fire danger

Grassland fire danger generally High. Forest fire danger High grading to Very High over the northwest.



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