

Learning about the weather and preparing for an event

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What we will learn



Weather



Where to find information





Key Weather and Climate Concerns

Will this be an outdoor event?

How many people will be attending the event?

What are my weather concerns?

Will this event be on the water?

What warnings could impact my event?





Climate: one part of a seamless capability

Climate Change

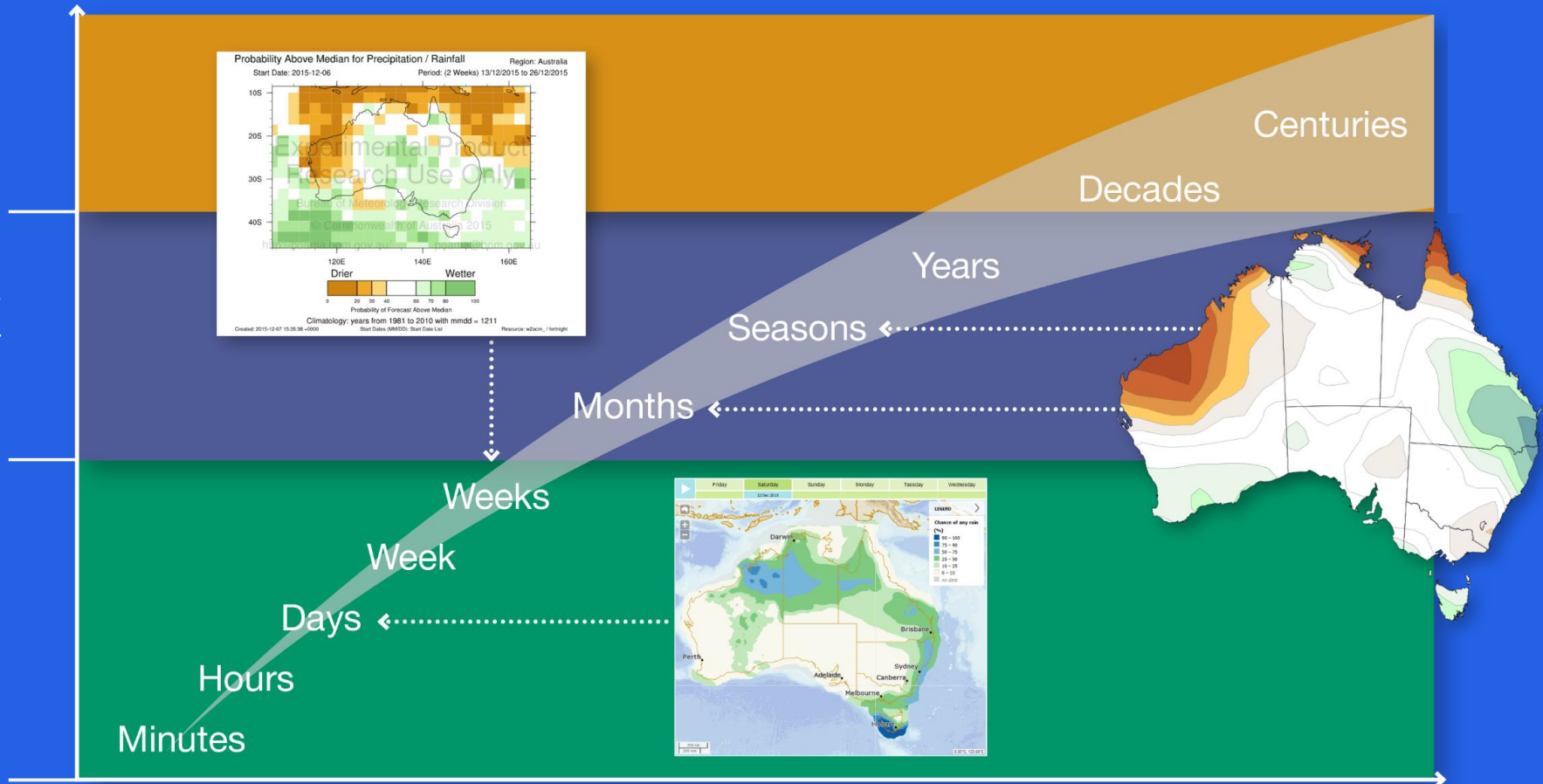
- Scenarios

Climate variability

- Outlooks
- Guidance

Weather

- Forecasts
- Alerts
- Watches
- Warnings



Short Term:
Last checks
→ on the day

Medium Term:
Looking forward
to the event date

Long term: Picking a date



Australia's Climate Influences





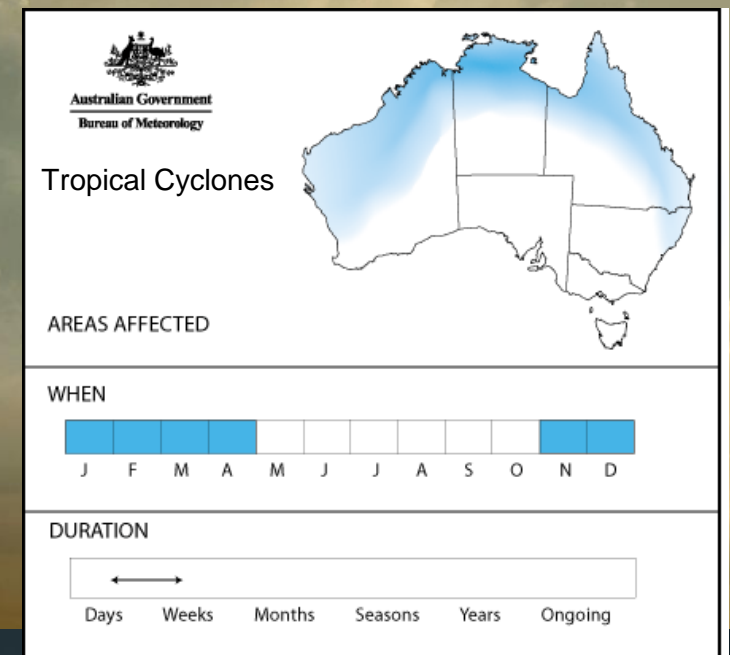
Picking your event date

6+ months

Seasonal conditions

Climate records

Climate drivers



FIRE DANGER SEASONS





Looking towards the event date

One week to four months out

Climate drivers

Long-range forecast maps





Last checks: 1 week to on the day

Where to access
current weather information
and forecasts





Met Eye

State Overview Forecast

7 Day Text Forecast





Daily checks

Warnings

Current Conditions

Radar



Severe Thunderstorm



BUREAU OF METEOROLOGY

What makes a thunderstorm 'severe'?

We issue a Severe Thunderstorm Warning when a storm is producing, or expected to produce...

Large hail
(> 2 cm across)



Heavy rainfall
that may cause flash
flooding and/or
tornadoes

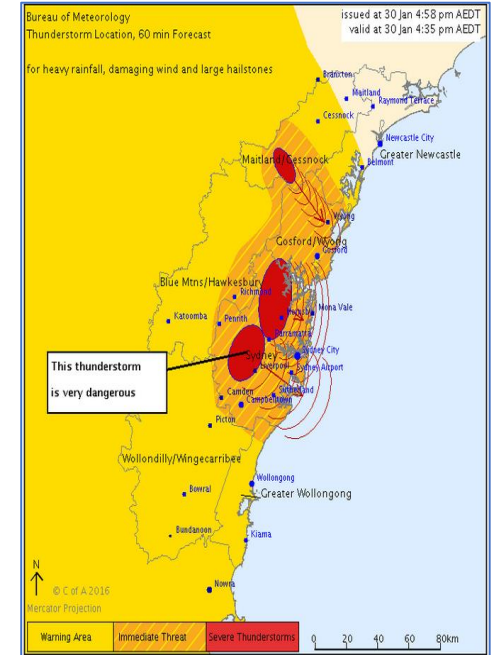
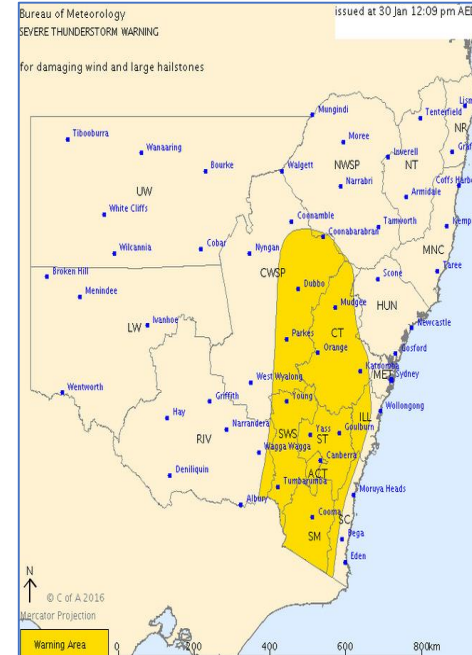


Damaging winds
(gusts > 90 km/h)

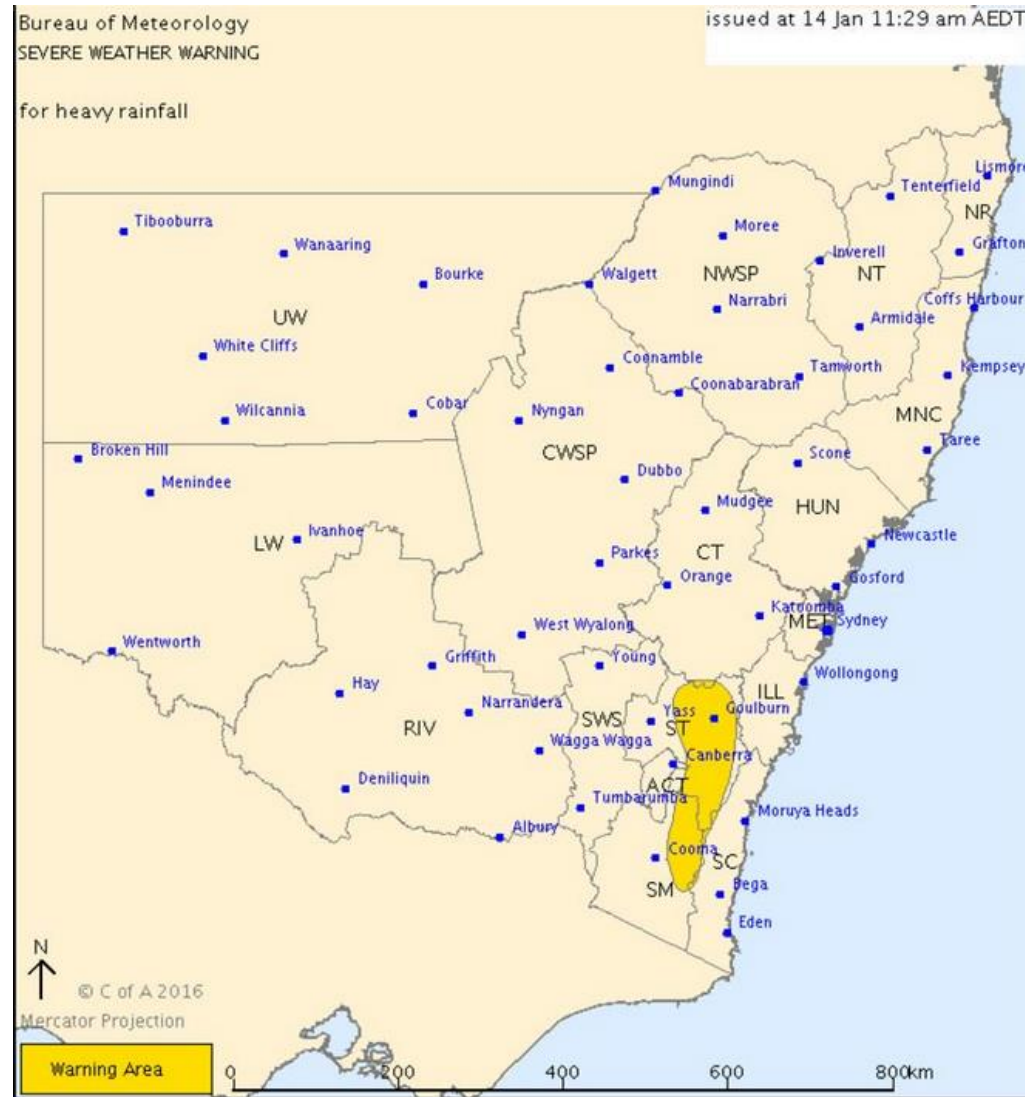


**KNOW YOUR WEATHER.
KNOW YOUR RISK.**

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Severe Weather Warning



Marine Wind / Hazardous Surf Warning



Marine Wind Warning Summary

IDN20400

Marine Wind Warning Summary for New South Wales

Issued at 4:10 am EDT on Tuesday 13 October 2015
for the period until midnight EDT Tuesday 13 October 2015.

Wind Warnings for Tuesday 13 October

Cancellation for the following areas:

Sydney Closed Waters, Hunter Coast, Sydney Coast and Illawarra Coast

The next Marine Wind Warning Summary will be issued when required.

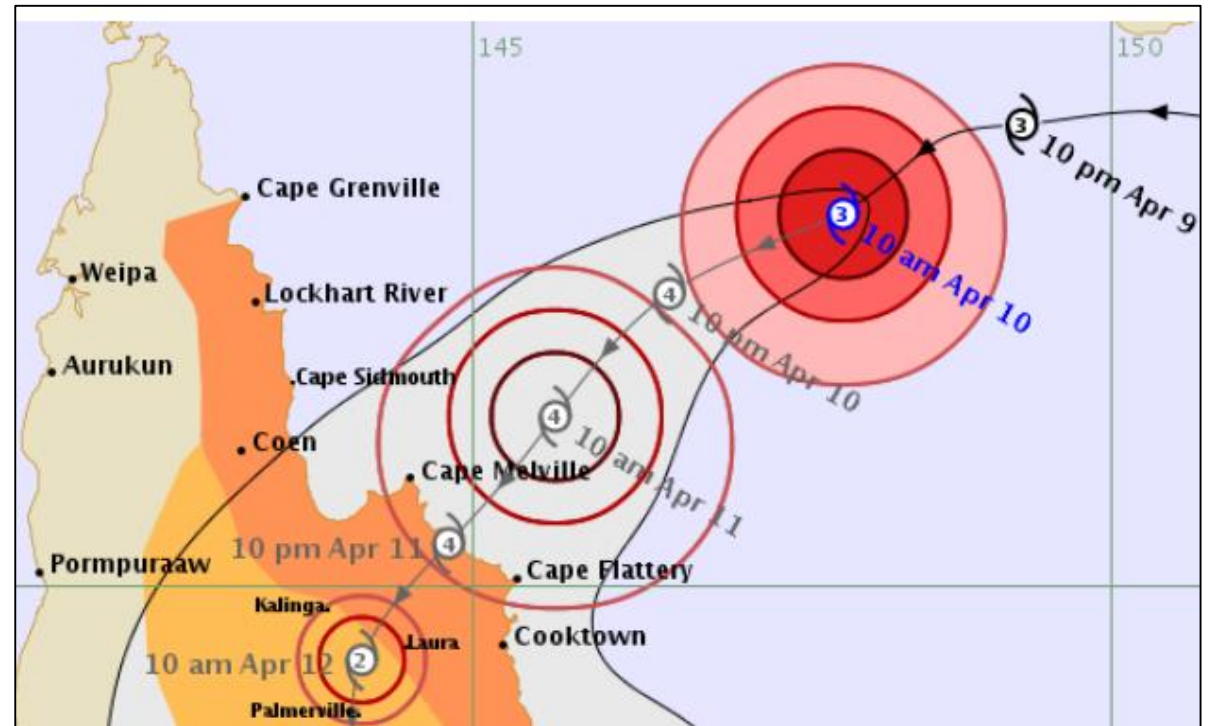
Friday 30 June

Gale Warning for Friday for Eden Coast

Winds	Southwesterly 25 to 35 knots.
Seas	2 to 4 metres.
Swell	Southwesterly 2 to 3 metres, tending southerly 3 to 4 metres during the afternoon.
Weather	Partly cloudy. 40% chance of showers offshore, near zero chance elsewhere.
Caution	Large and powerful surf conditions are expected to be hazardous for coastal activities such as crossing bars by boat and rock fishing.



Tropical Cyclone



Heatwave Services for Australia



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What is a **heatwave**?

3 OR MORE DAYS WHERE MAX. AND MIN. TEMPERATURES ARE **UNUSUALLY HIGH** FOR A LOCATION

EXAMPLE

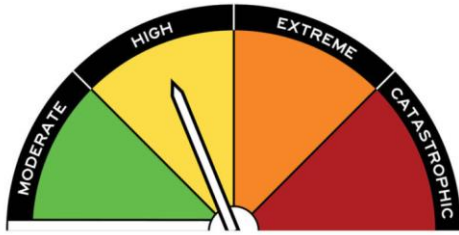
- Low-intensity—most people can cope
- Severe—challenging for vulnerable people, such as the elderly
- Extreme—dangerous for anyone who does not take protective action

bom.gov.au/australia/heatwave



Bushfire / Fire Weather

The Australian Fire Danger Ratings (AFDRS) levels are:



MODERATE

Plan and prepare

HIGH

Be ready to act

EXTREME

Take action now to protect life and property


CATASTROPHIC

For your survival, leave bushfire risk areas











Flood



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Flood advice

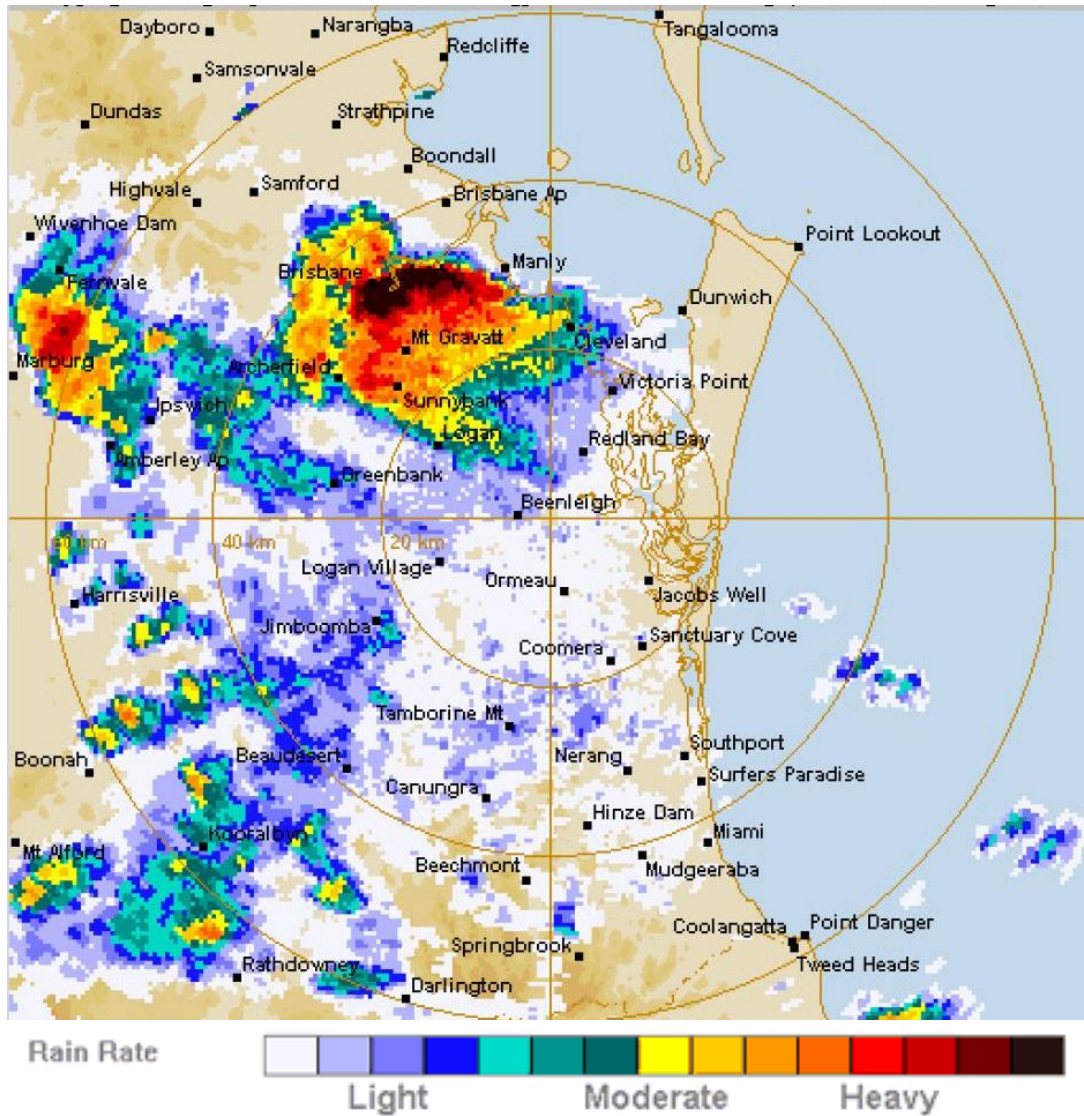
 WATCH	 WARNING
THINK & PREPARE	TAKE ACTION
 BROAD AREA OF FLOOD RISK	 SPECIFIC LOCATION OF FLOOD IMPACT
 EARLY ADVICE FOR POTENTIAL FLOODING	 MINOR MODERATE MAJOR FLOODING
 ISSUED 1-4 DAYS BEFORE IMPACT	 ISSUED >6 HOURS BEFORE IMPACT

KNOW YOUR WEATHER. KNOW YOUR RISK.

bom.gov.au/australia/flood



The Bureau Radar






Bureau Communication Channels



The Bureau Weather App



Q Bundaberg, QLD

1 warning for this location

Severe weather warning

23.3°
Feels like 21.0°

23° 17°
Max Overnight min

Shower or two.
5-10mm Possible rainfall
70% Chance of any rain


Show less about today

Current weather

- SE 24 km/h Wind
- 28 km/h Gust
- 66% Humidity
- 0mm Rain since 9am

Rain radar

Start here



Get warning notifications direct to your device



The BOM Weather App

Weather overview

View weather that moves with your location



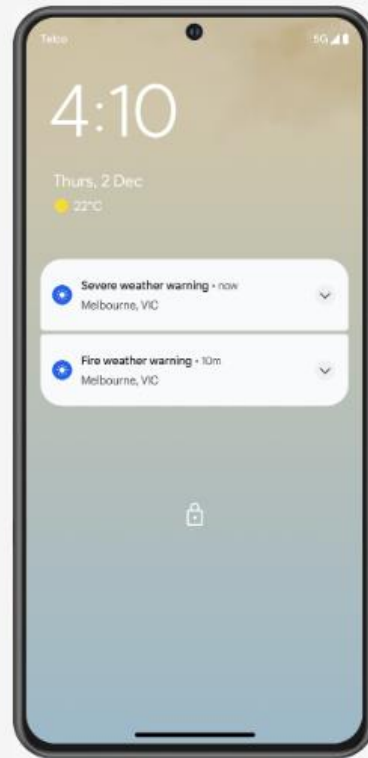
Radar

Our popular rain radar, now with pan and zoom



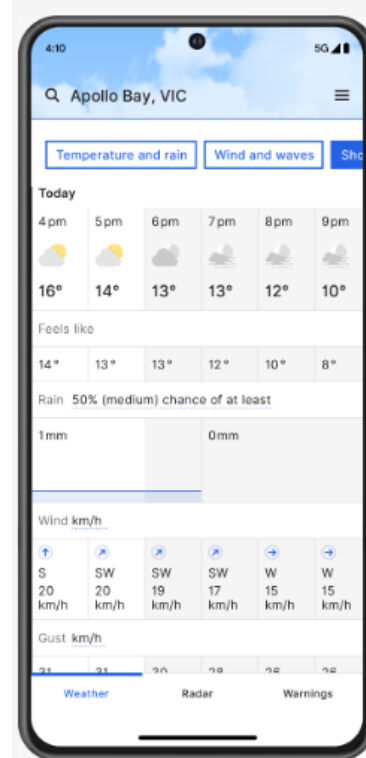
Notifications

Push warning notifications



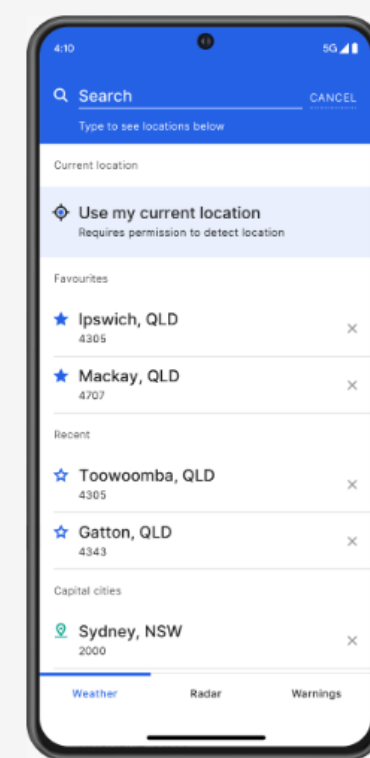
Hourly forecast

Hourly forecast information for 72 hours ahead



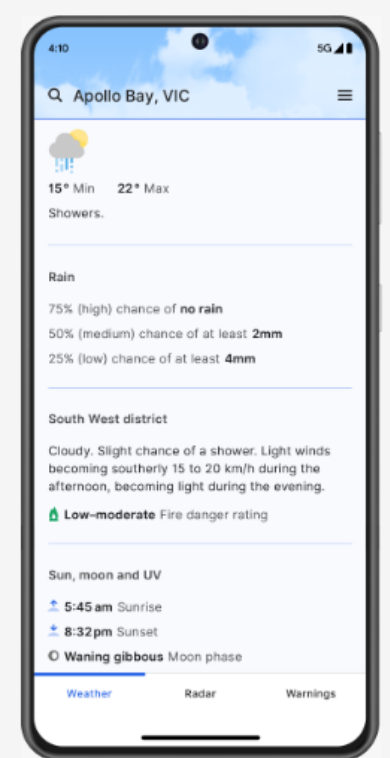
Locations

Save favourites and view recent locations



Daily forecast

View daily forecasts, now with UV and fire danger ratings



Knowledge Centres



Severe weather



Videos



Blogs

<http://www.bom.gov.au/knowyourweather/>

Know your weather. Know your risk.

[Current warnings](#)

Severe Weather long-range forecast 2022-23 Share

Bureau of Meteorology

SEVERE WEATHER LONG-RANGE FORECAST

2022-23

Watch on YouTube

KNOW YOUR WEATHER.
KNOW YOUR RISK.

Severe weather can disrupt our lives in all sorts of ways. Understanding how it happens, knowing it's on the way and being ready to act all help you to stay safe. Explore our severe weather information to be better prepared when hazardous weather looms.



Stay connected with us!



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