

User-Friendly Information About Current Ocean Conditions

Ed Doddridge

Translating Science Jargon

Science term	What it means
Sea Surface Temperature	Temperature at the surface of the ocean
Anomaly	Difference from normal
Past observations Historical conditions	What happened last week/month/year
Forecast	What (we think) will happen next

Where to find information

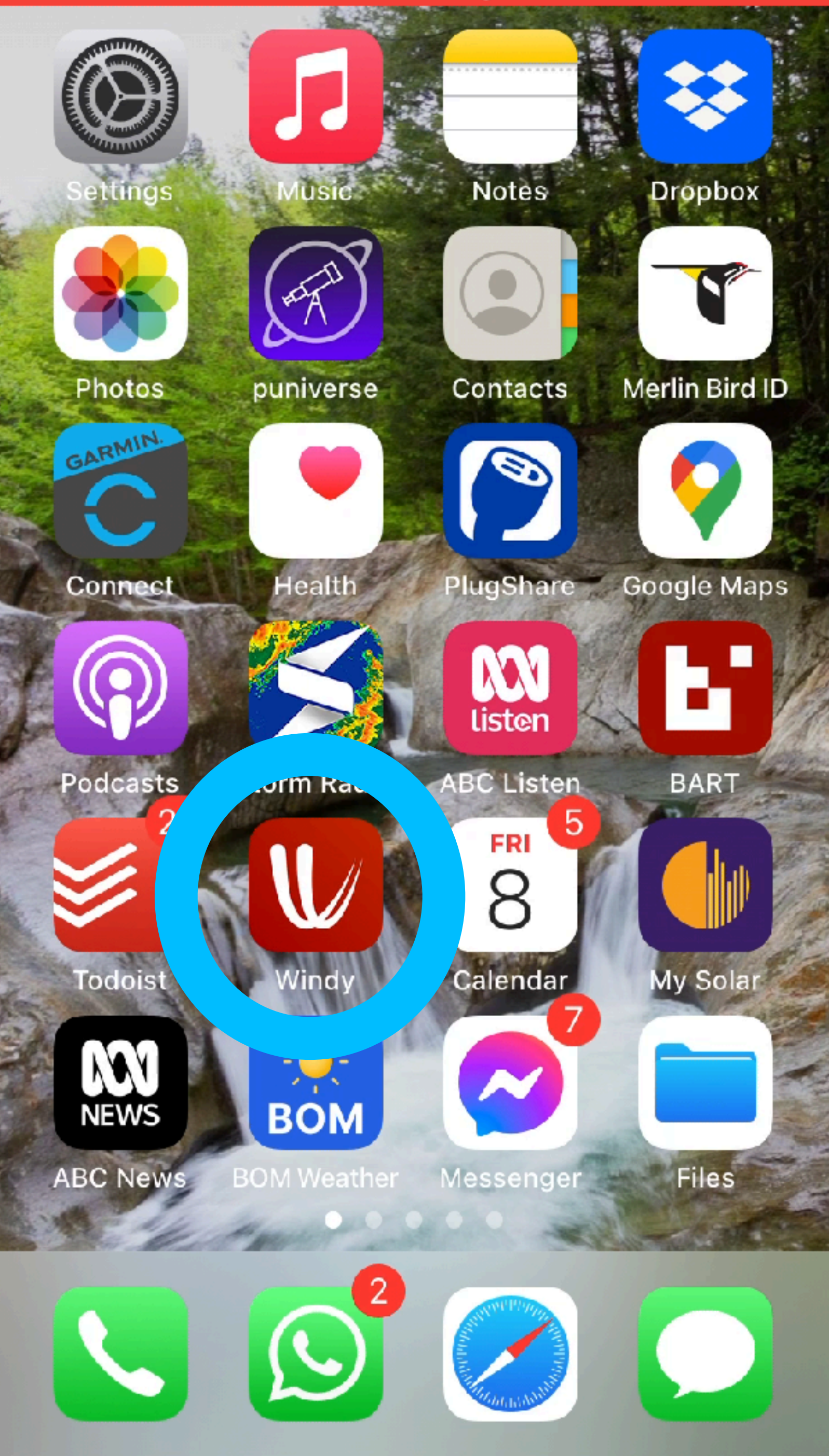
Mobile apps

Windy

Websites

Bureau of Meteorology

Integrated Marine Observing System



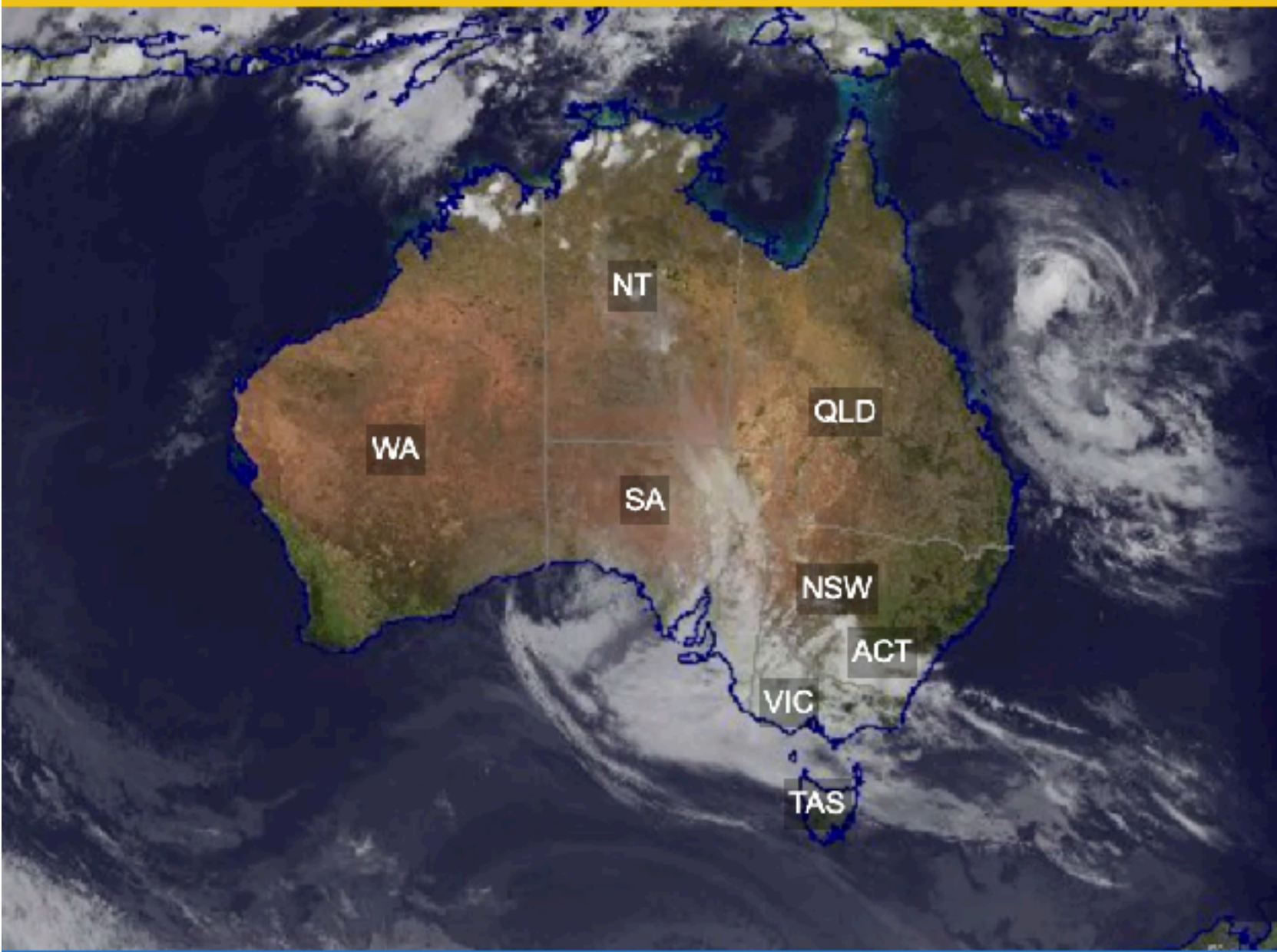
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Warnings current

NSW | VIC | QLD | WA | SA | TAS | ACT | NT | Tropical Cyclone

Warning services ▼



- > Rain radars
- > Satellite images
- > Weather maps
- > MetEye

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Severe Weather Update:
Tropical Cyclone Watch
issued for TC Jasper, 10 Dec

Forecast for Monday 11 December

City observations ▼

City	Now	Forecast	Wind	Rain
Sydney	22.4°	21° 28°	E 9km/h	0.0mm rain since 9am in Sydney.
Melbourne	18.8°	18° 23°	SSW 7km/h	0.0mm rain since 9am in Melbourne.
Brisbane	24.4°	22° 30°	E 6km/h	0.0mm rain since 9am in Brisbane.
Perth	29.8°	17° 33°	E 11km/h	0.0mm rain since 9am in Perth.
Adelaide	16.1°	15° 29°	NNW 6km/h	0.6mm rain since 9am in Adelaide.
Hobart	13.3°	10° 22°	SW 7km/h	0.0mm rain since 9am in Hobart.
Canberra	22.3°	16° 32°	NNE 2km/h	0.0mm rain since 9am in Canberra.
Darwin	29.0°	26° 34°	SW 11km/h	0.0mm rain since 9am in Darwin.

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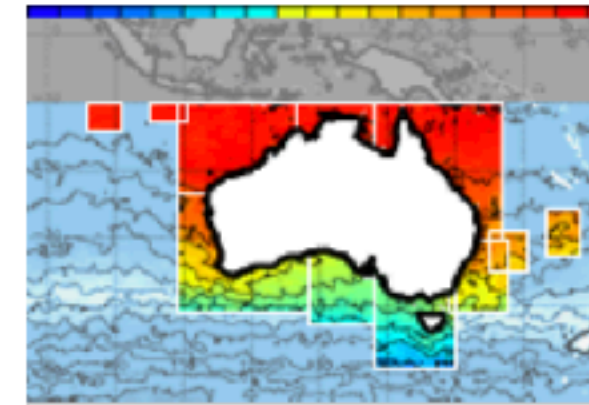
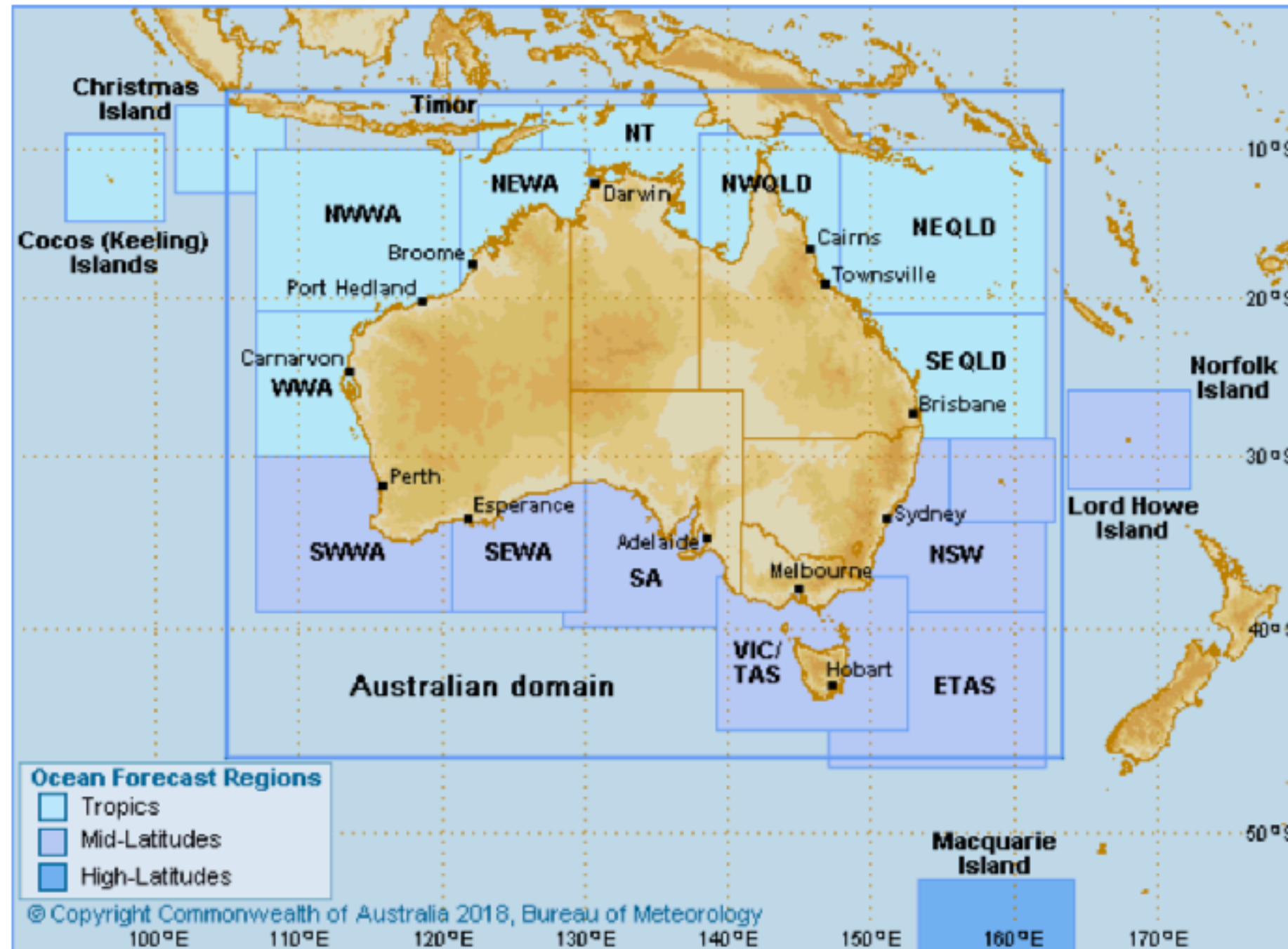
[Bureau Home](#) > [Marine & Ocean](#) > [Sea Temperature & Currents](#)

Sea temperatures and Currents

[Forecast Regions](#) | [Forecast Loops](#) | [Site Help](#) | [Forecast Help](#) | [System Information](#)

To view an Ocean Forecast please select an area on the map or use the Table below.

To access the forecast data sets, [subscribe](#) and become a registered user of Bureau services.



Sea Temperature Analysis

Links to ocean temperature maps for the **Sea Surface** and **Subsurface**. Daily, weekly and monthly periods covering Australia, nearby regions and the globe.

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Sea Temperature & Currents

Tropics			
	Southeast Queensland	Northeast Queensland	Northwest Queensland
	Northern Territory	West Western Australia	Northwest Western Australia
	Northeast Western Australia	Cocos (Keeling) Islands	Christmas Island
	East Timor		
Mid-Latitude			
	New South Wales	Victoria/Tasmania	East Tasmania
	South Australia	Southwest Western Australia	Southeast Western Australia
	Lord Howe Island	Norfolk Island	

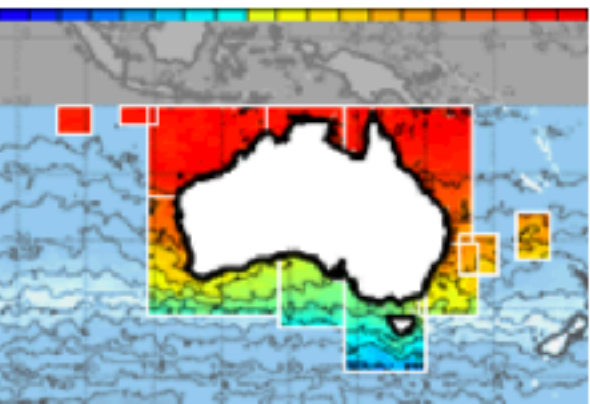
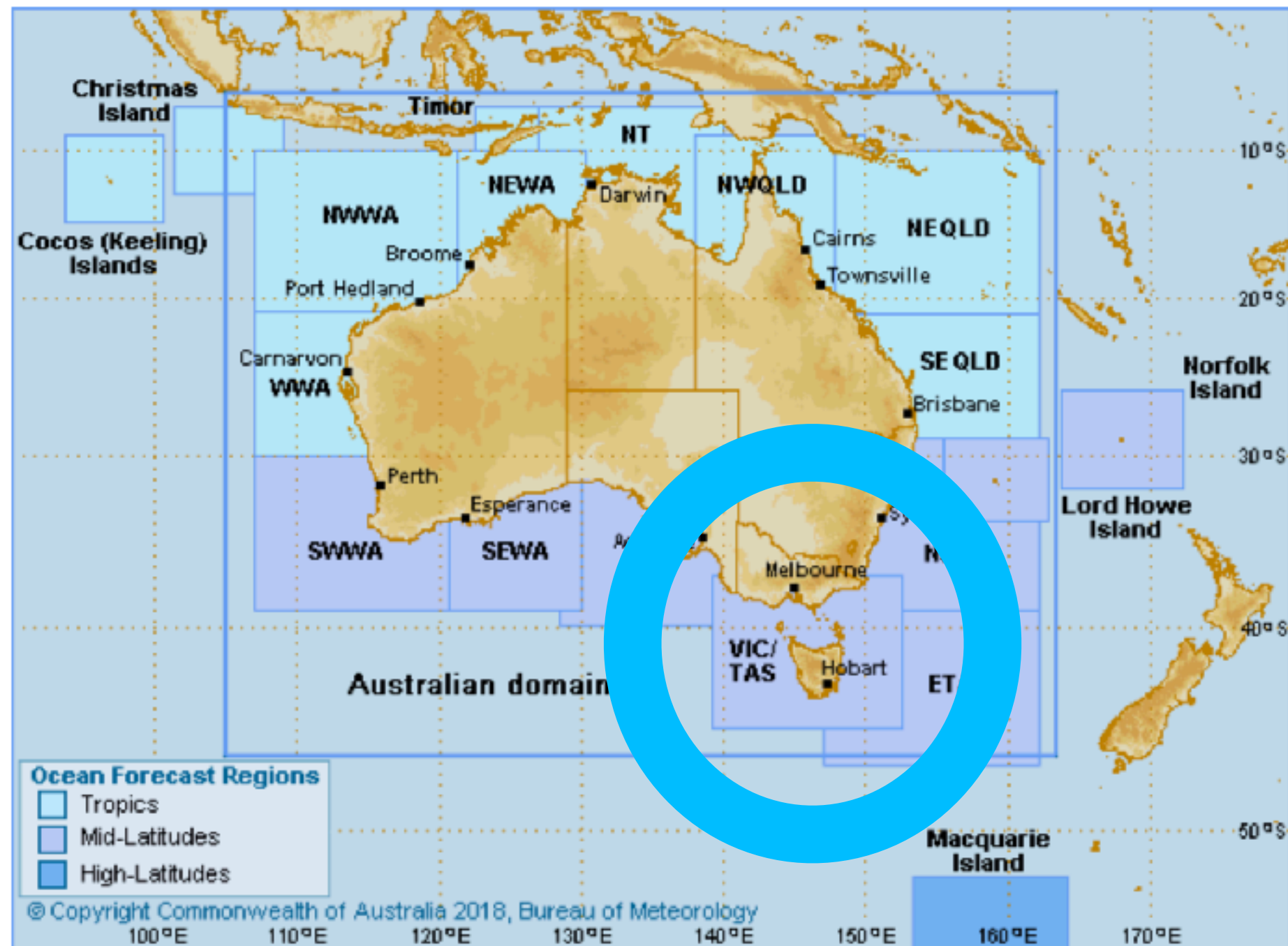
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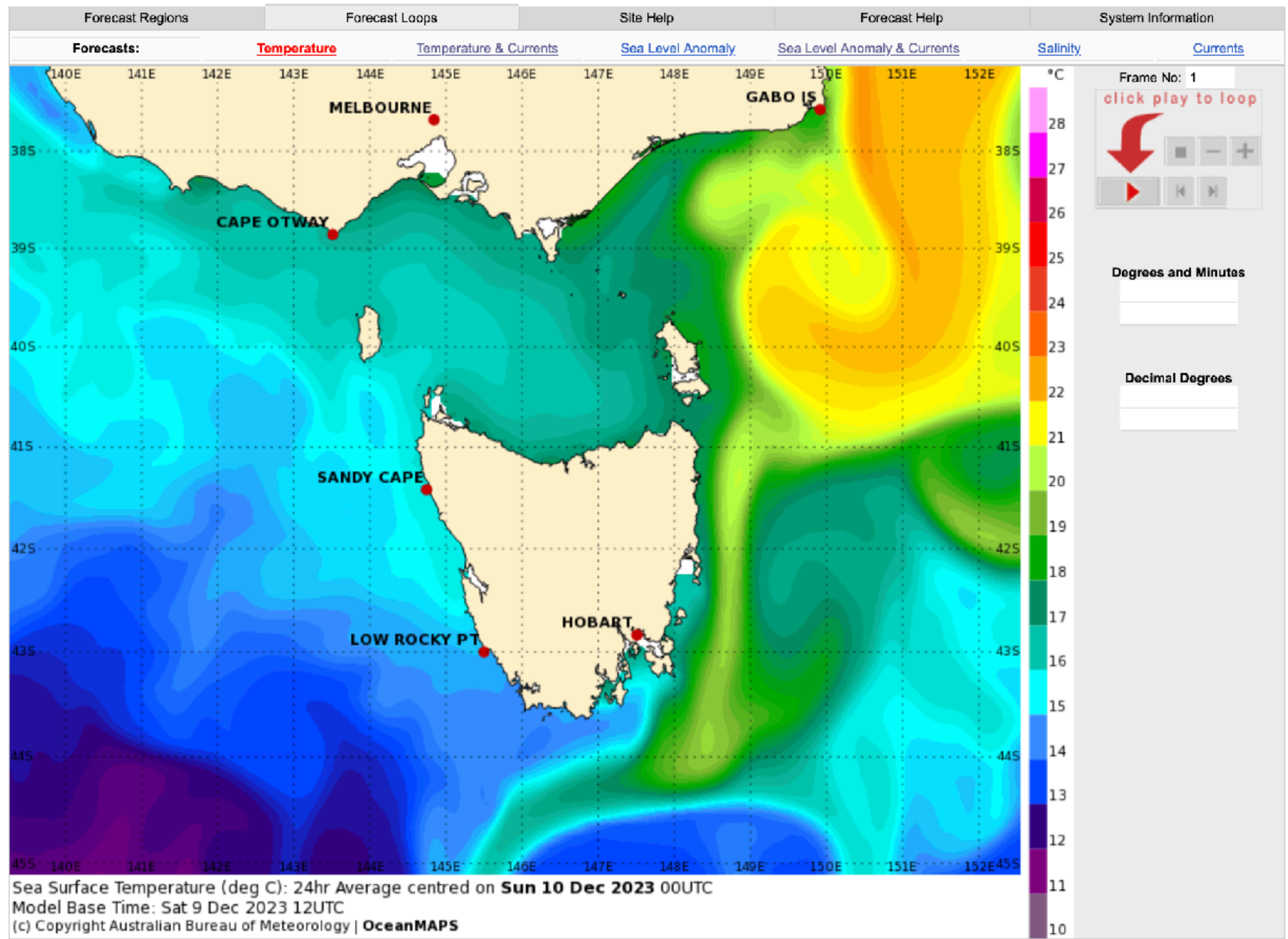
Sea Temperature & Currents

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	Northern Territory	West Western Australia	Northwest Western Australia
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Victoria and Tasmania



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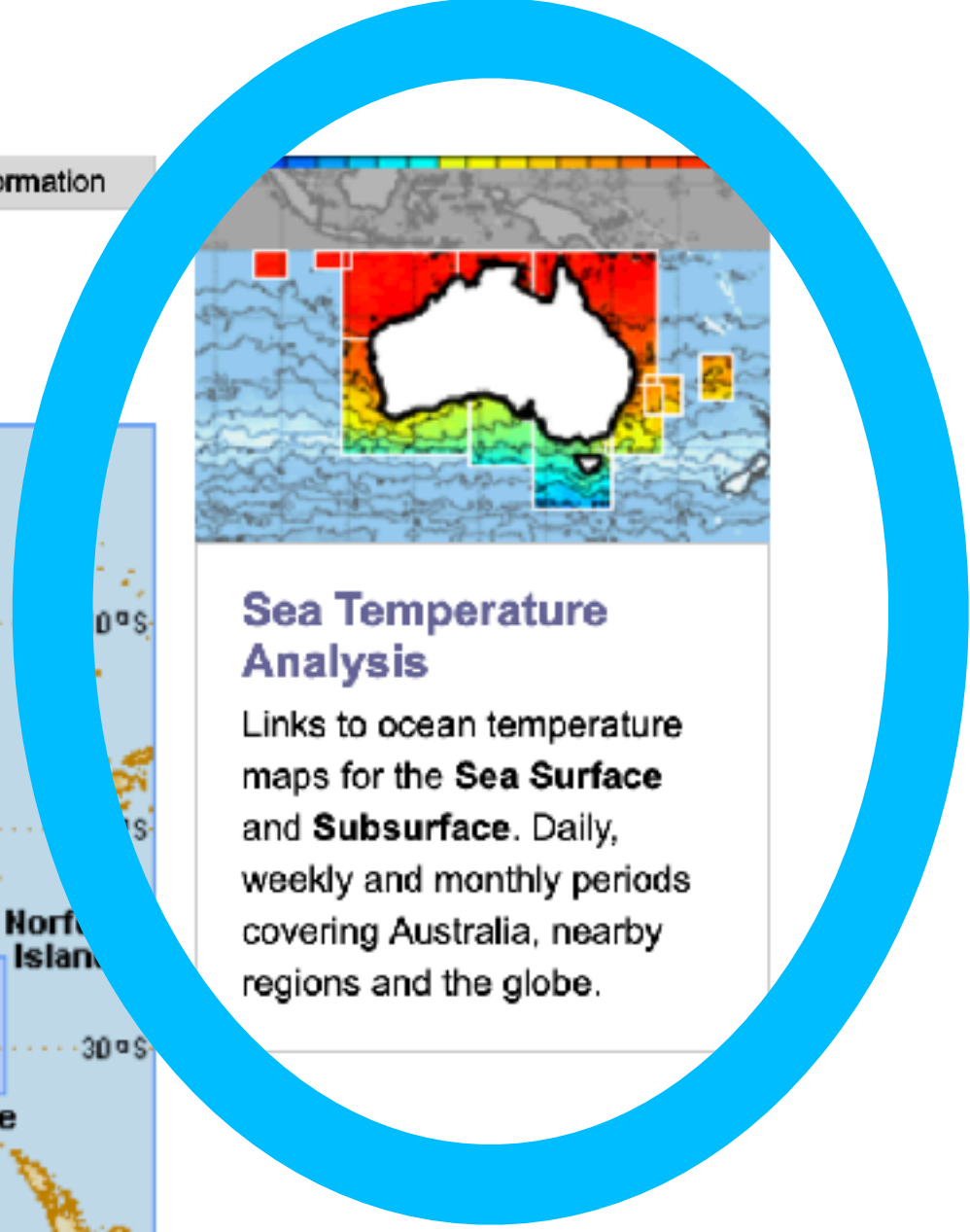
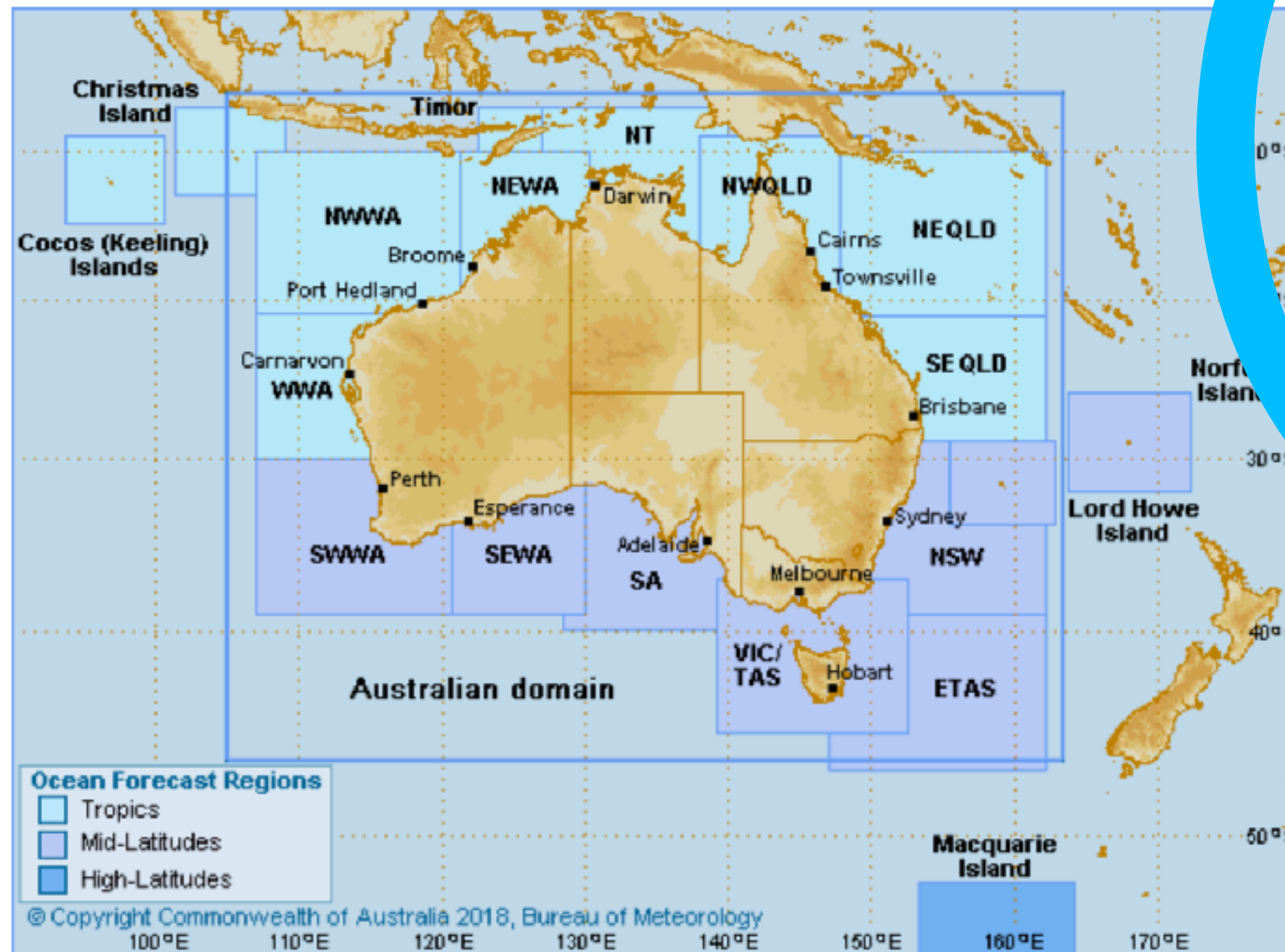
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Sea Surface Temperature

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- Australia: [Analysis](#) | [Anomaly](#)
- Analysis by region: [Qld](#) | [NSW](#) | [VIC](#) | [SA](#) | [TAS](#) | [ACT](#) | [NT](#) | [Aust](#) | [SW WA](#) | [N WA](#) | [NT](#)
- Pacific Ocean: [Analysis](#) | [Anomaly](#)
- Indian Ocean: [Analysis](#) | [Anomaly](#)
- Globe: [Analysis](#) | [Anomaly](#)

Weekly

- Australia: [Analysis](#) | [Anomaly](#)
- Pacific Ocean: [Analysis](#) | [Anomaly](#)
- Indian Ocean: [Analysis](#) | [Anomaly](#)
- Globe: [Analysis](#) | [Anomaly](#)

Monthly

- Australia: [Analysis](#) | [Anomaly](#)
- Pacific Ocean: [Analysis](#) | [Anomaly](#)
- Indian Ocean: [Analysis](#) | [Anomaly](#)
- Globe: [Analysis](#) | [Anomaly](#)

Differences

- [Differences in Sea Surface Temperature over last month](#)
- [Differences in Sea Surface Temperature over last three months](#)

Subsurface Ocean Temperature

Recent Subsurface Ocean Temperature

- [Pacific Ocean 150m depth-averaged Temperature](#)
- [Pacific Ocean Equatorial Cross Section](#)
- [Global Ocean 150m depth-averaged Temperature](#)
- [Global Ocean 400m depth-averaged Temperature](#)
- [Depth of 20 deg C isotherm](#)

Marine videos



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- ▶ [AMSA: Distress beacons](#)

Useful links

- ▶ [Sunrise & Sunset times](#)
- ▶ [Moon phase & Moonrise times](#)

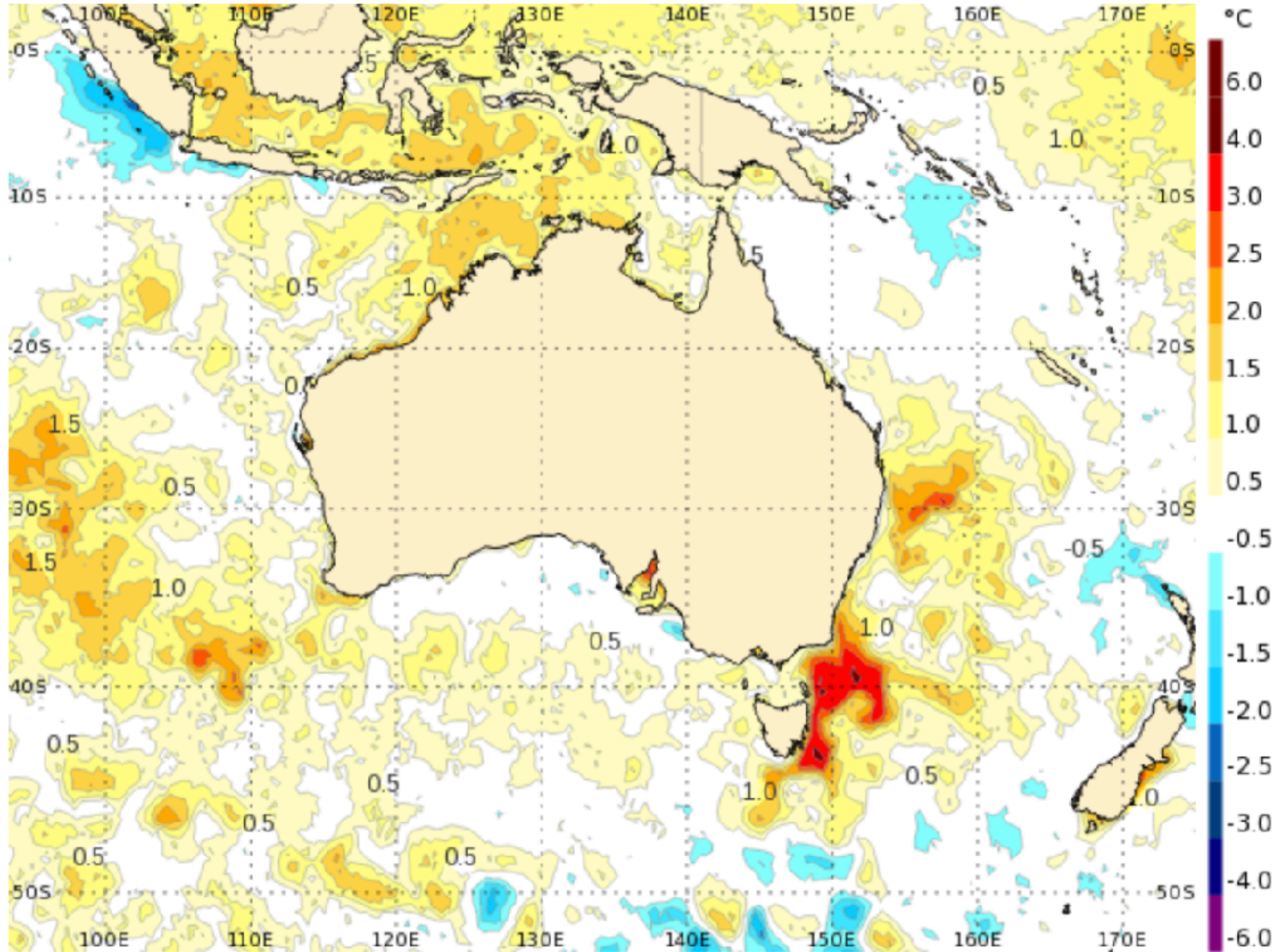
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Latest Sea Surface Temperature Anomaly

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Sea surface temperature anomaly (deg C): Daily analysis for **Sat 9 Dec 2023**
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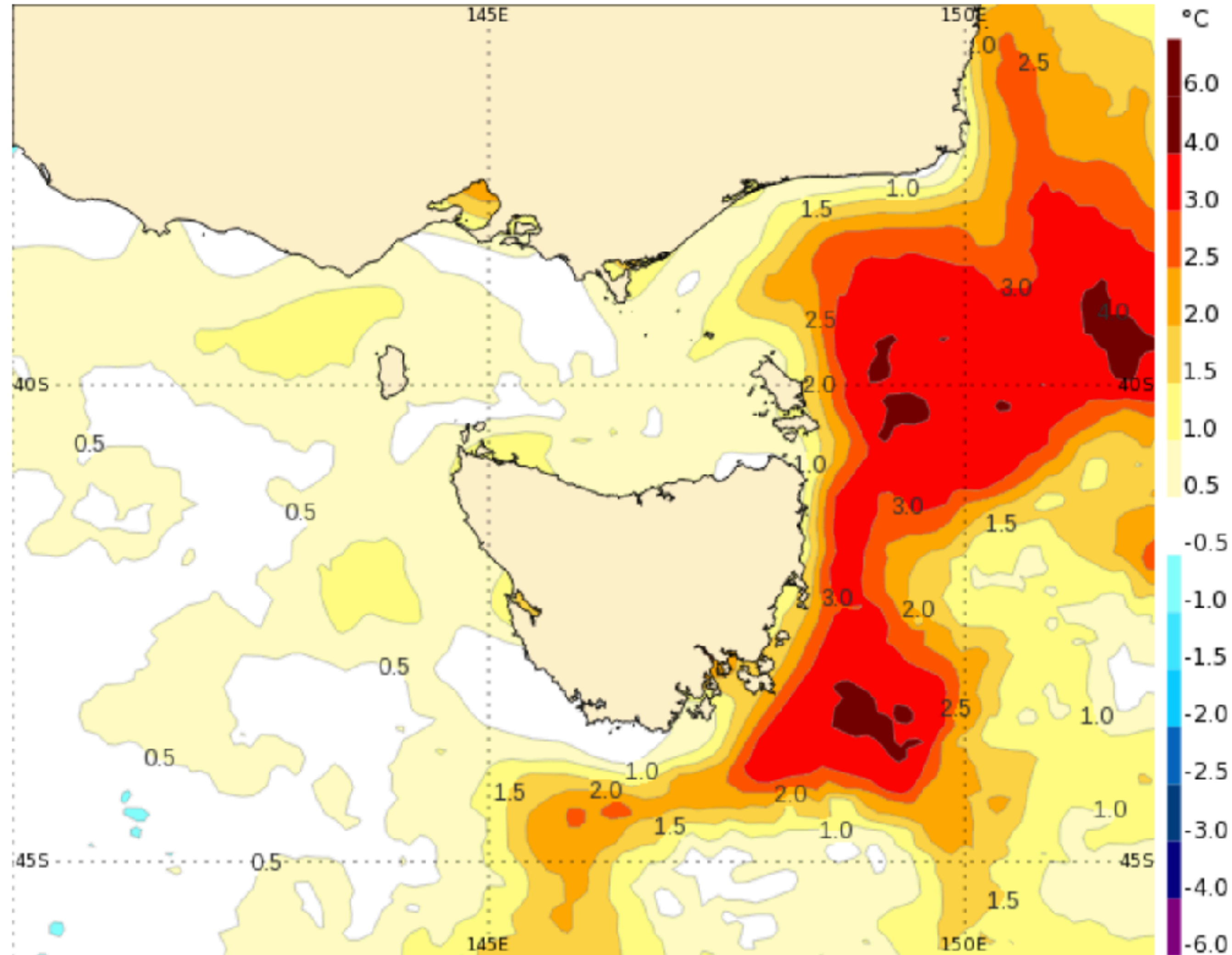
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Sea surface temperature anomaly (deg C): Daily analysis for **Sat 9 Dec 2023**


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[TAS](#)
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Warnings  [Select state using the tabs above.](#)

Current:

- Marine Wind Warning Summary for Tasmania.

Forecasts	Observations
Derwent Estuary	Latest weather for the Hobart area
Frederick Henry and Norfolk Bay	Live wind map for Tasmania
Storm Bay	Latest coastal weather
The Channel	Coastal observations via clickable map
MetEye forecast wind and wave maps for Hobart waters	Latest weather graphs via clickable map
Central Plateau Lakes	Radar Viewer
South West Lakes	Cape Sorell waves
Local & coastal waters forecasts via clickable map including Southeast Inshore & Inland Lakes	Maria Island waves
Bass Strait and approaches	
MetEye forecast wind and wave maps	

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High Sea Forecasts	Seasonal Ocean Temperature Outlooks	Marine Lite	Port Air Pressure

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Marine & Ocean

Ocean Temperature Outlooks | Coral Bleaching Risk

These pages provide seasonal sea surface temperature forecasts for regions around Australia. The forecasts provide information about likely ocean conditions. They can be used for various purposes including to monitor coral bleaching risk in the Great Barrier Reef and other reefs around Australia. See summaries on the [2016](#), [2017](#) and [2020](#) marine heatwaves on the Reef.

[Forecast maps](#) | [Index forecast](#) | [Product information](#) | [Model information](#) | [Coral bleaching](#)

Sea surface temperature forecast maps

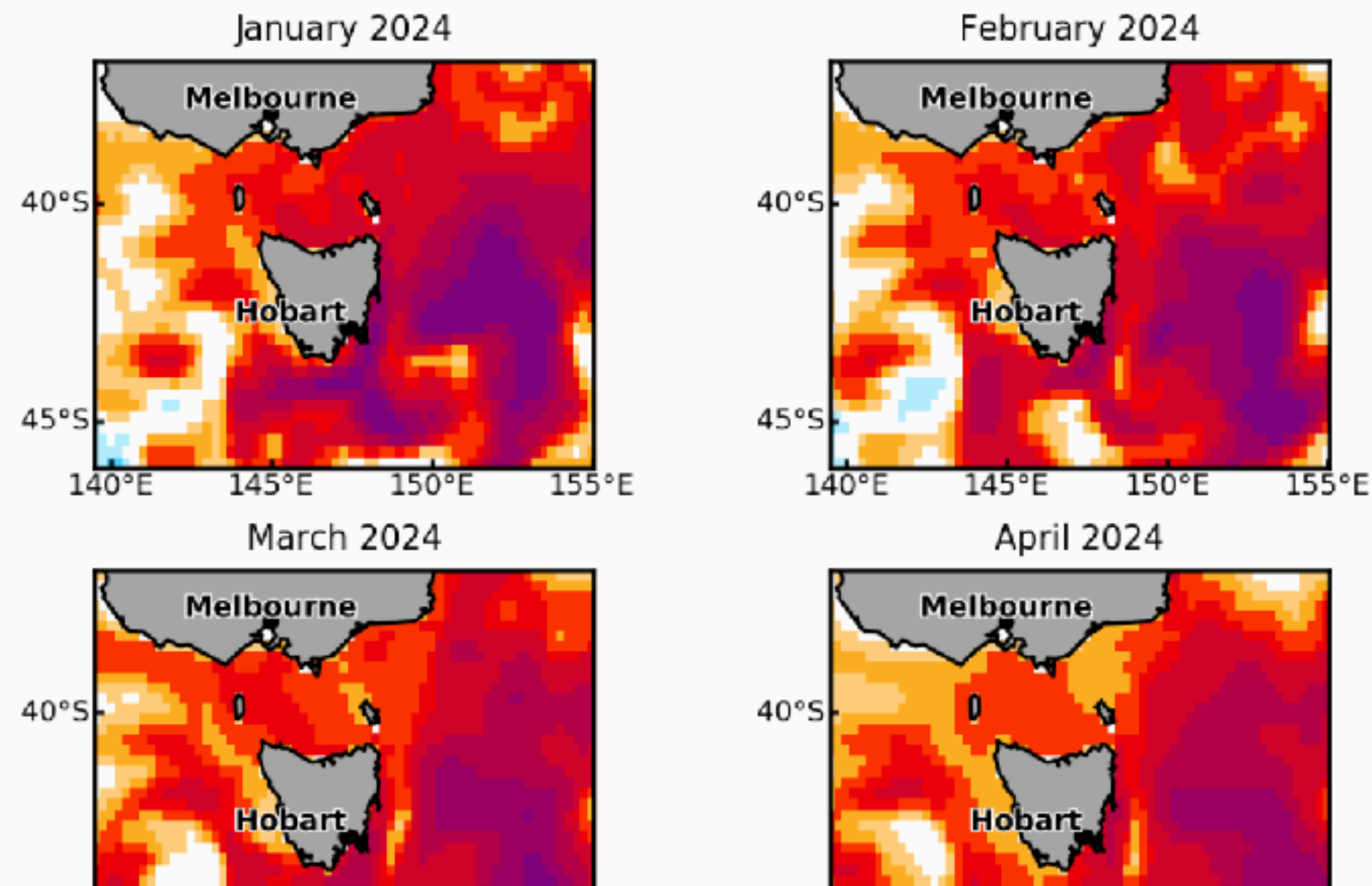
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The following plots shows the **latest** sea surface temperature (SST), SST anomaly, and thermal stress forecasts from the Bureau of Meteorology's climate forecast system, [ACCESS-S](#). Click on figures for a larger view.

Variable Region

Forecast Period

Victoria & Tasmania Sea Surface Temperature Anomaly Outlook



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Seasonal Ocean Temperature Outlooks

Integrated Marine Observing System

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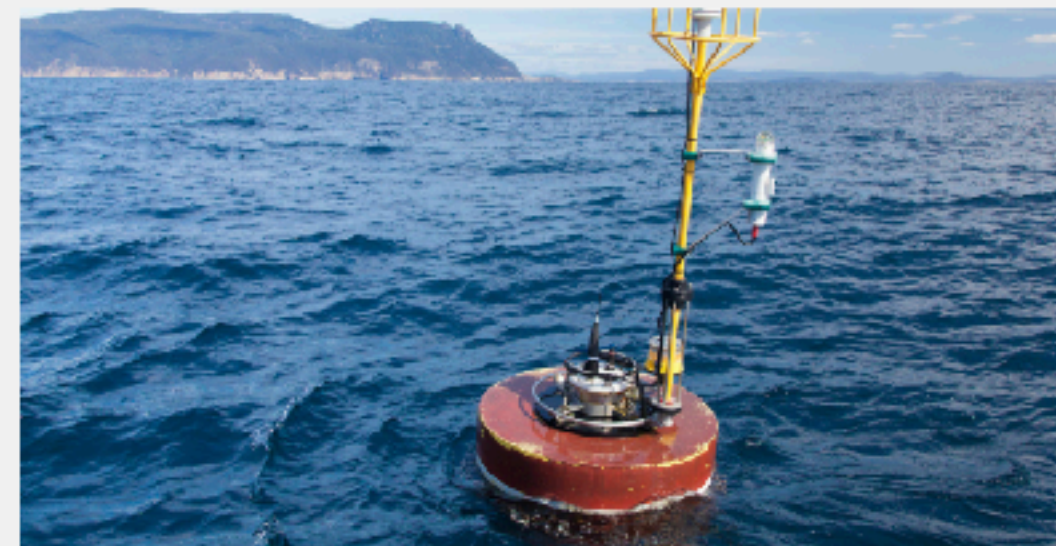
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Windy - SST

