



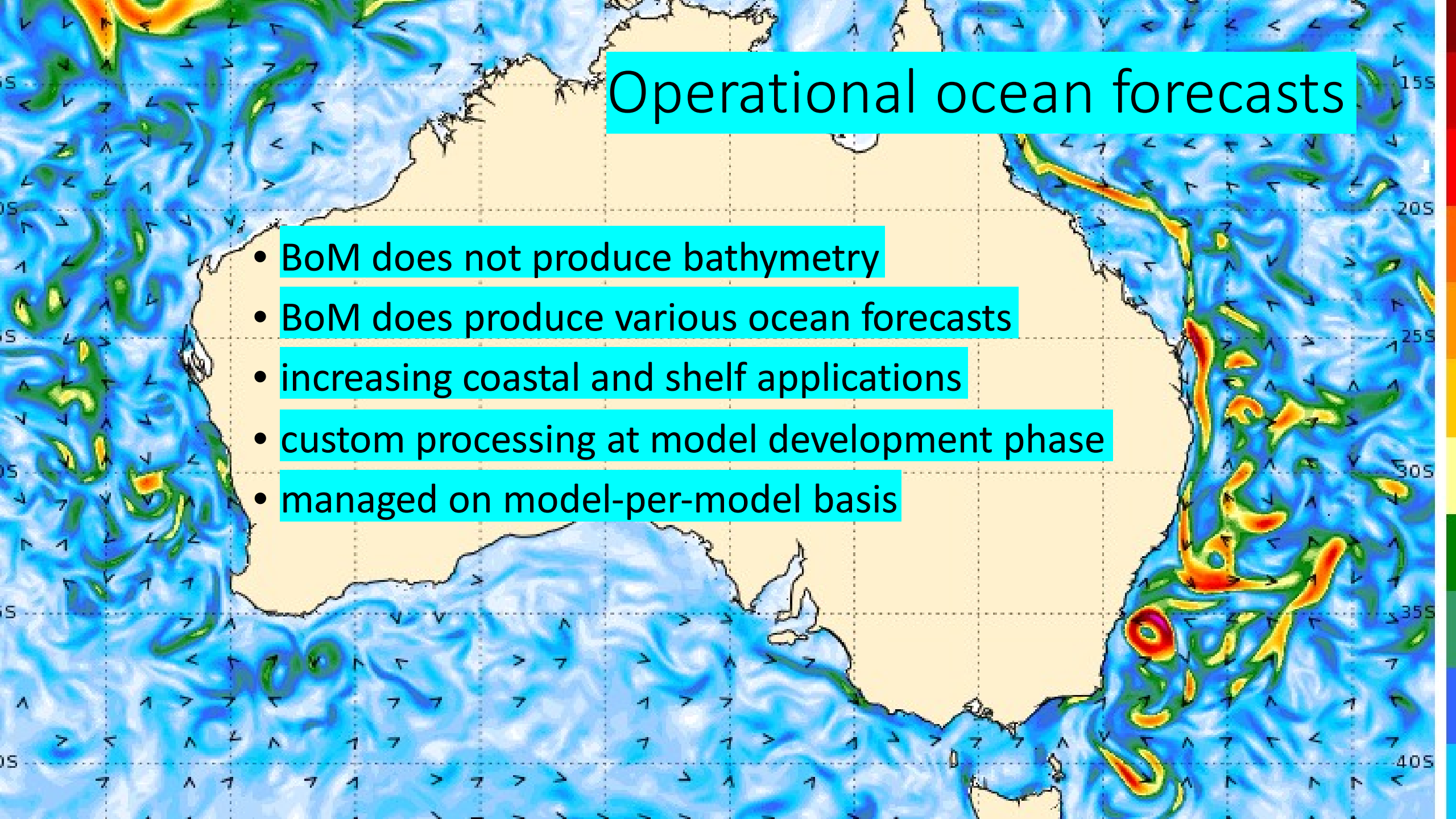
Australian Government
Bureau of Meteorology

Bureau of Meteorology bathymetry and forecasts

Nov 2018

Andy Taylor
Bureau of Meteorology

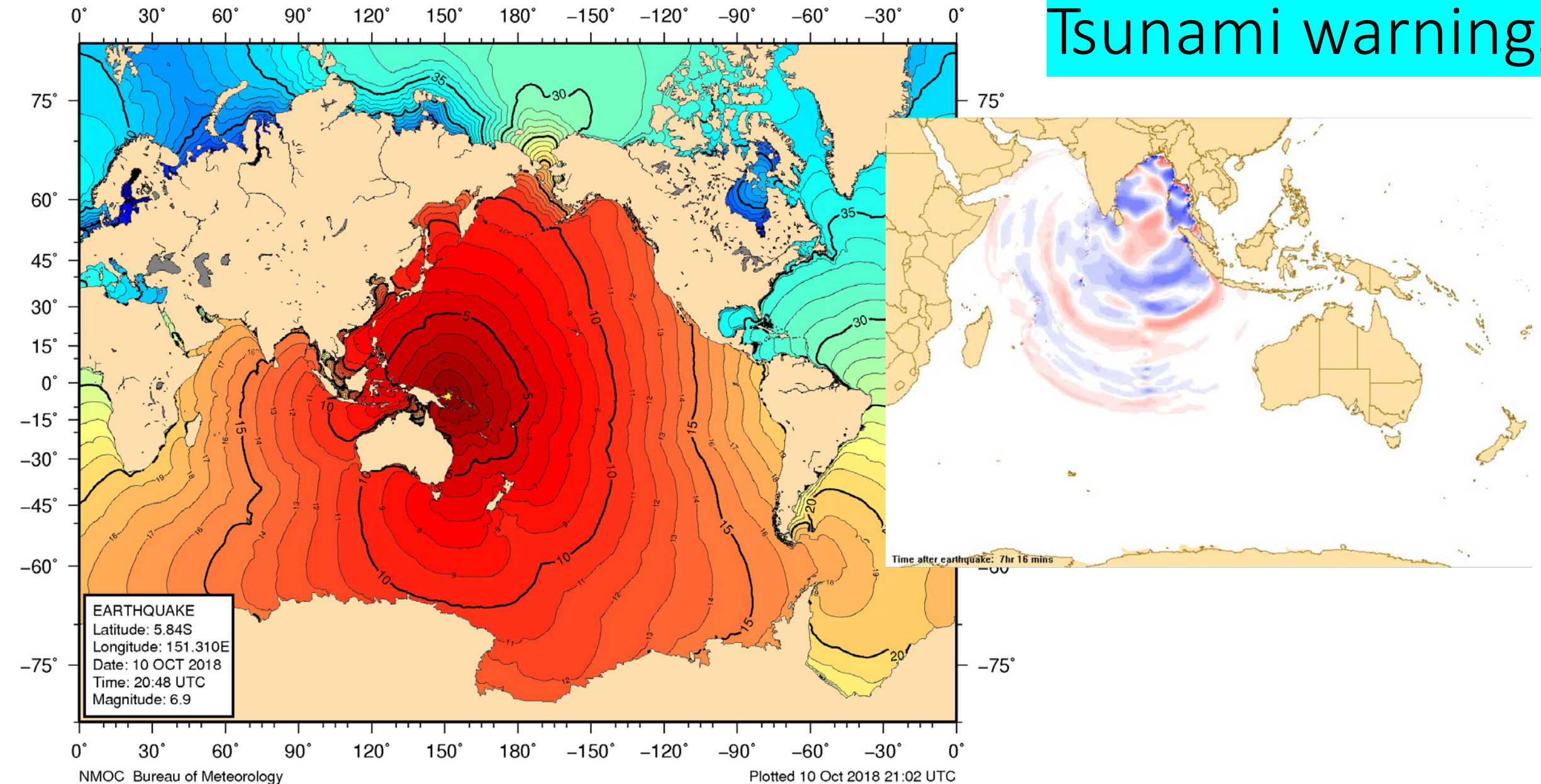
Operational ocean forecasts



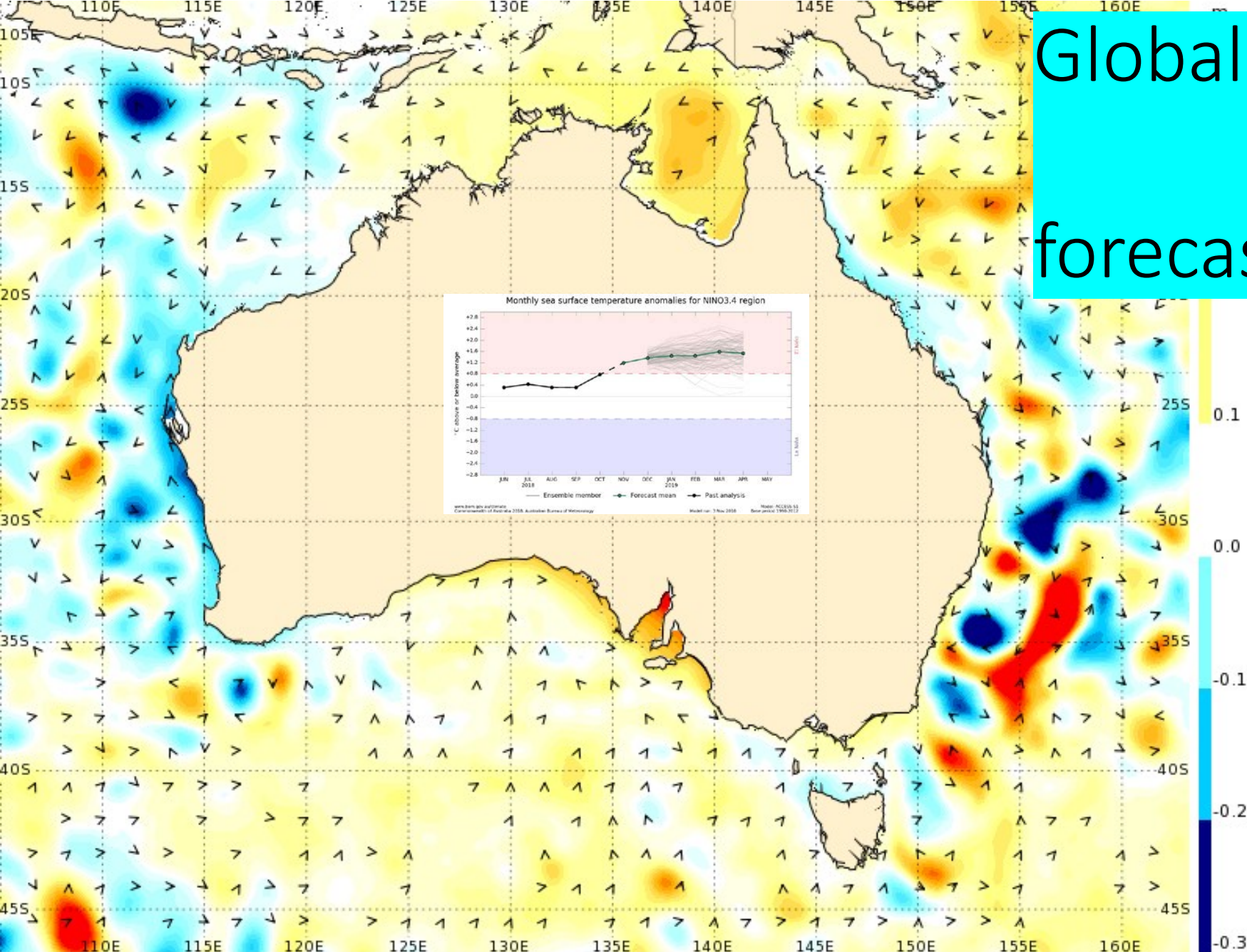
- BoM does not produce bathymetry
- BoM does produce various ocean forecasts
- increasing coastal and shelf applications
- custom processing at model development phase
- managed on model-per-model basis

Estimated Tsunami Travel Time (Hours)

Tsunami warnings



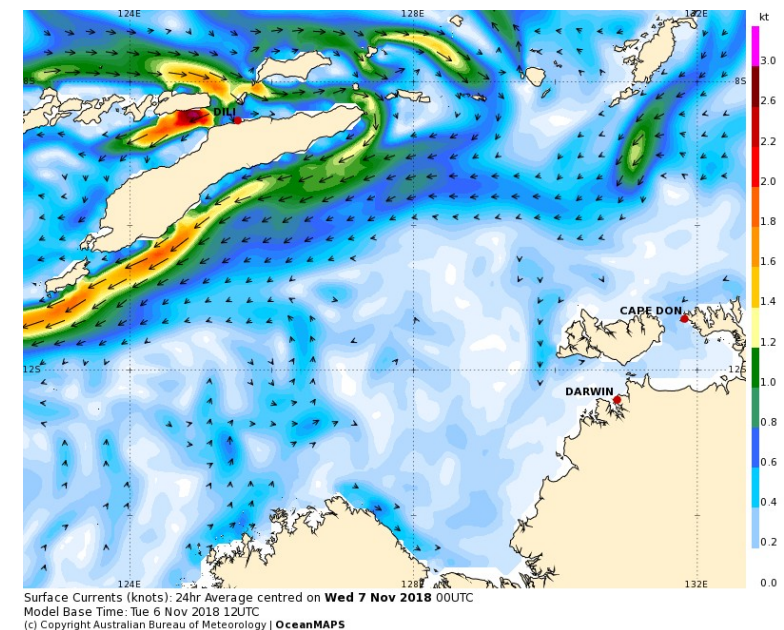
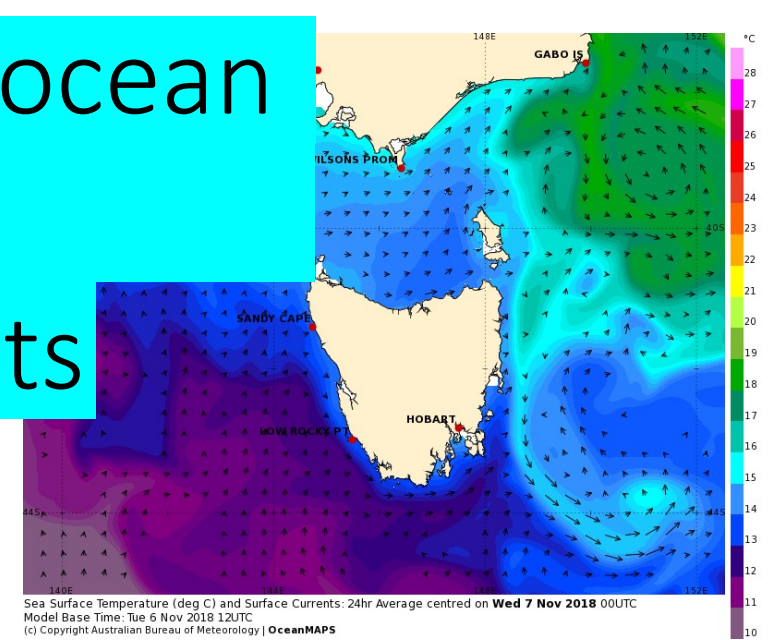
Global ocean forecasts

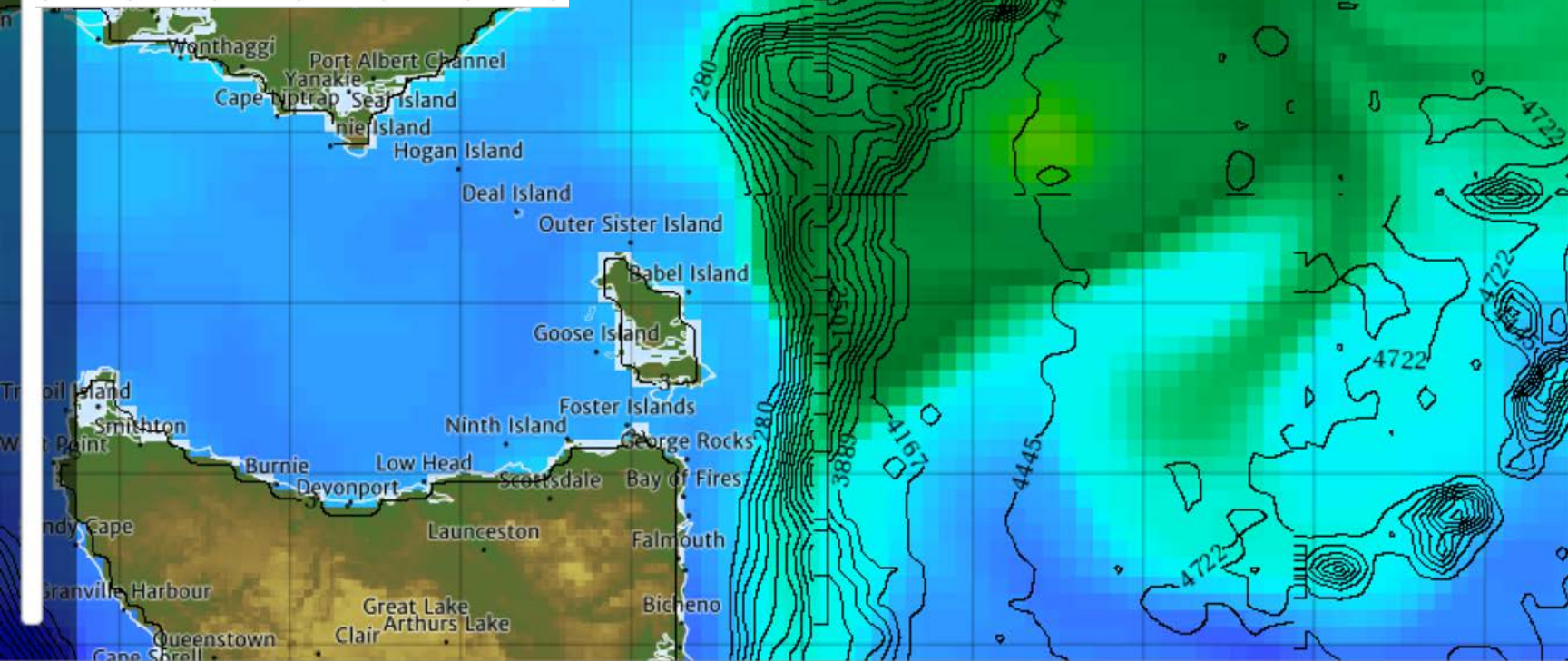
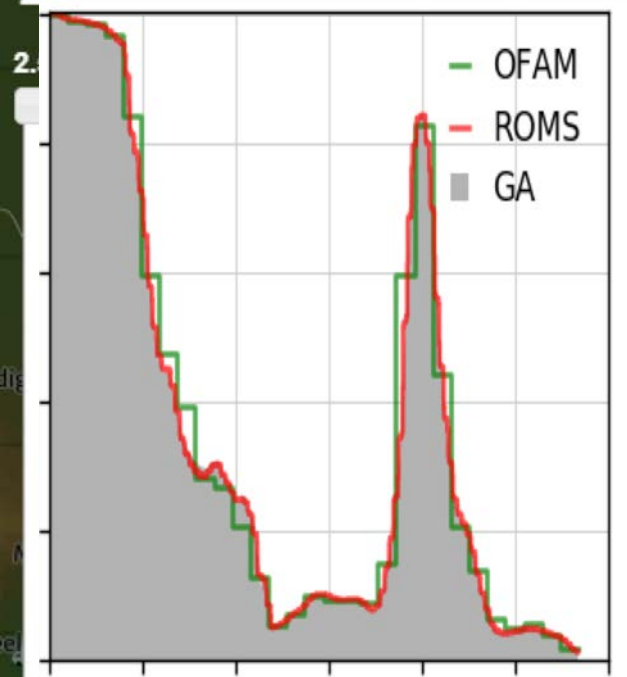


Sea Level Anomaly (m) and Surface Currents: 24hr Average centred on **Wed 7 Nov 2018 00UTC**

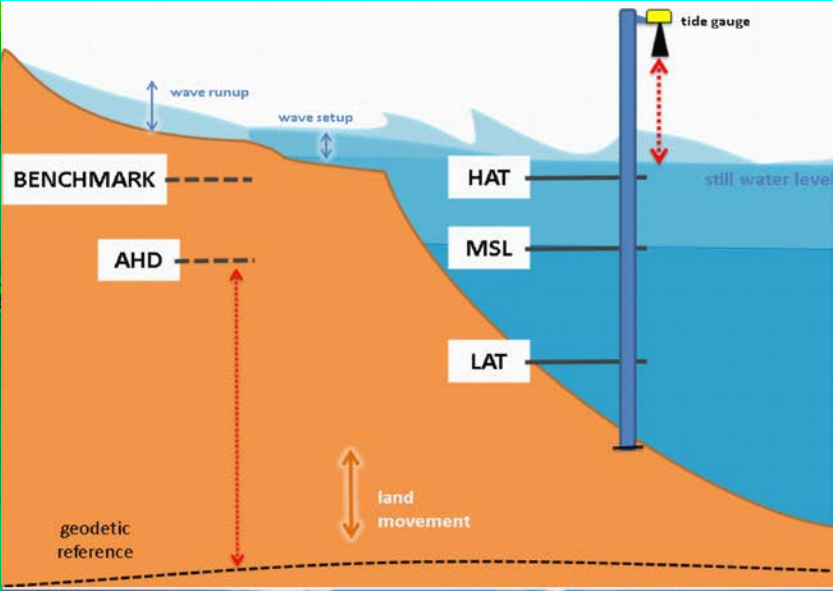
Model Base Time: Tue 6 Nov 2018 12UTC

(c) Copyright Australian Bureau of Meteorology | **OceanMAPS**

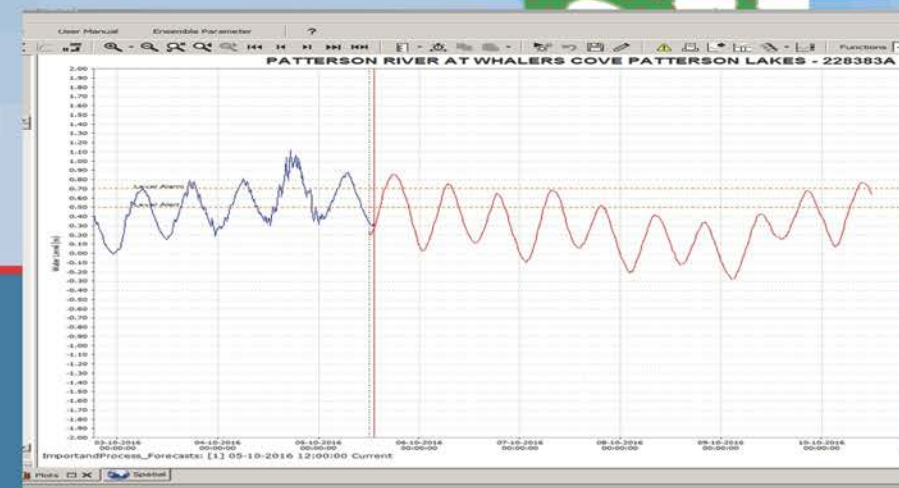
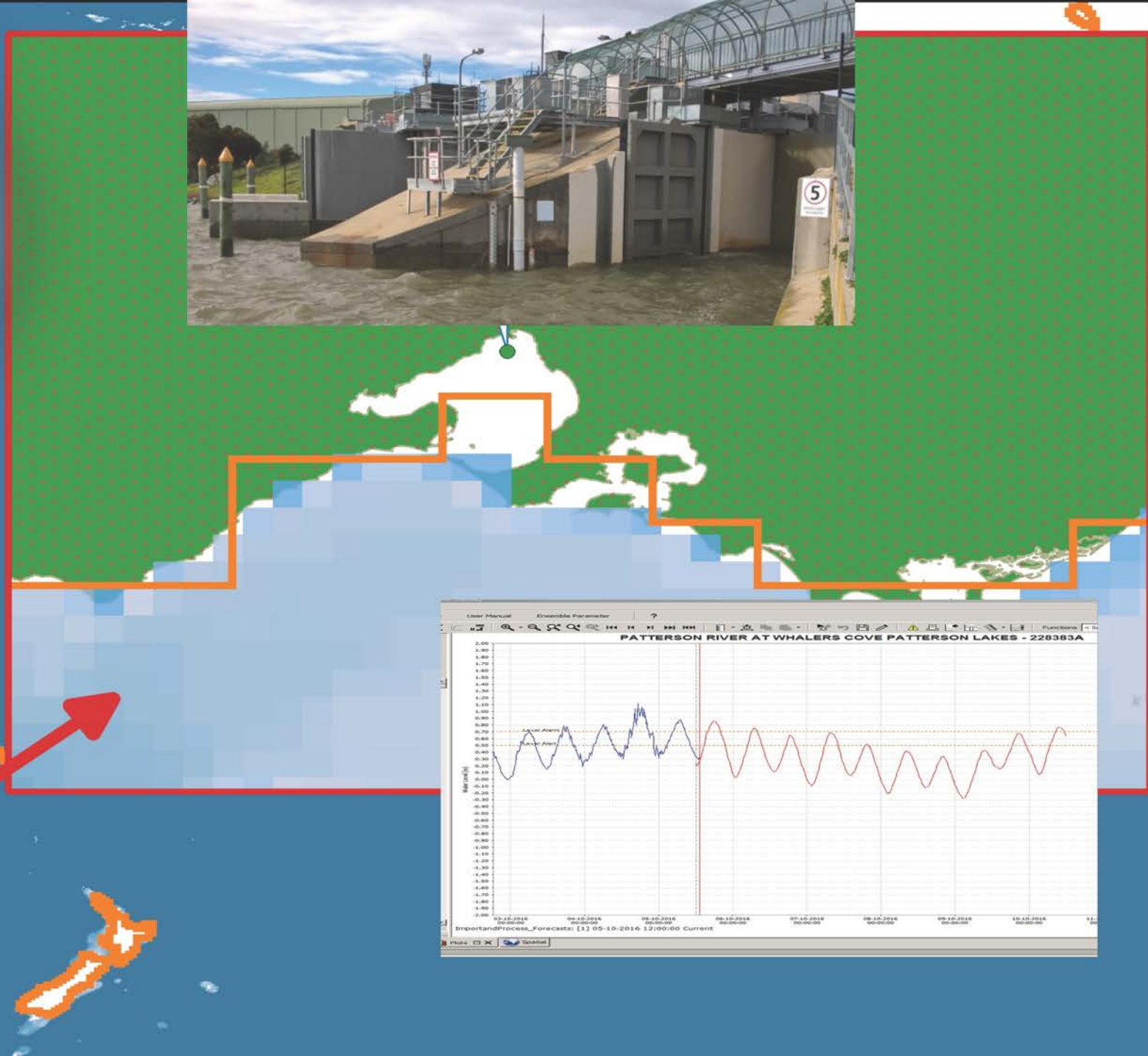
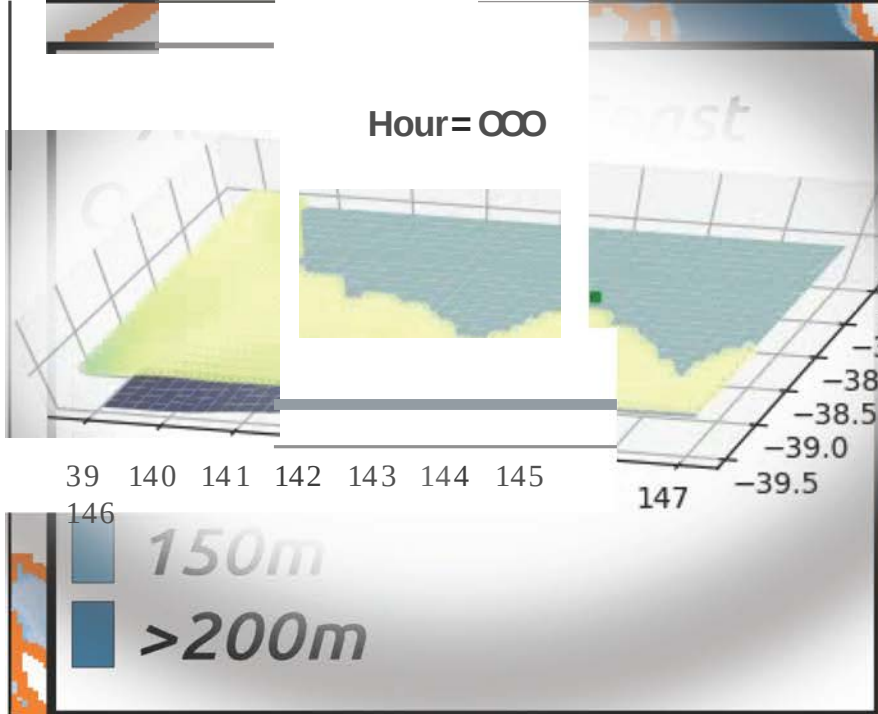




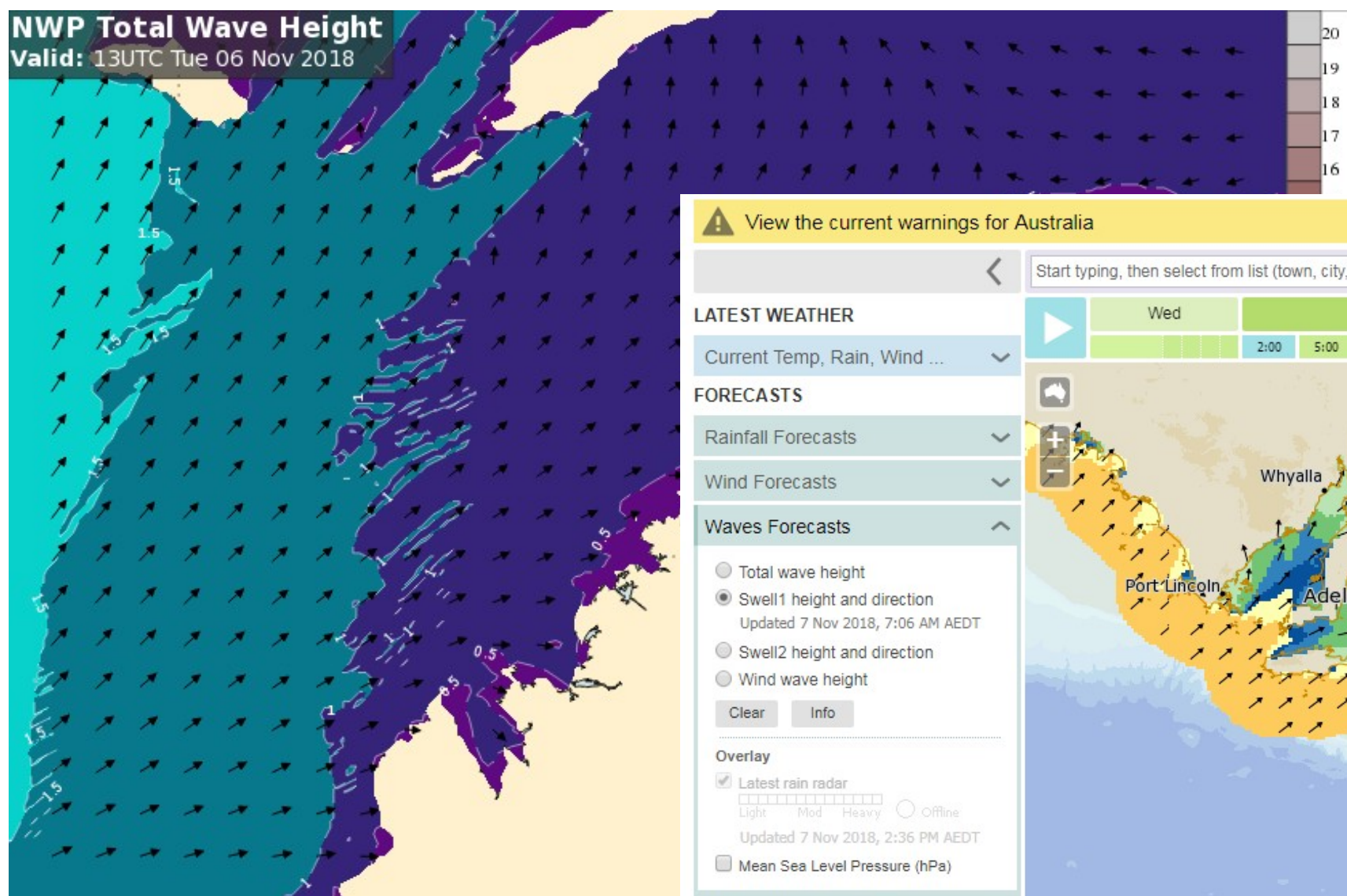
Shelf seas and coastal



Hour = 000



NWP Total Wave Height
Valid: 13UTC Tue 06 Nov 2018



Marine waves

⚠ View the current warnings for Australia

LATEST WEATHER

Current Temp, Rain, Wind ...

FORECASTS

Rainfall Forecasts

Wind Forecasts

Waves Forecasts

- ☐ Total wave height
- ☒ Swell1 height and direction
Updated 7 Nov 2018, 7:06 AM AEDT
- ☐ Swell2 height and direction
- ☐ Wind wave height

Clear Info

Overlay

☒ Latest rain radar

Light Mod Heavy Offline

Updated 7 Nov 2018, 2:36 PM AEDT

☐ Mean Sea Level Pressure (hPa)

Temperature Forecasts

Storms, Snow, Fog, Frost ...

Humidity Forecasts

UV Index Forecasts

Start typing, then select from list (town, city, postcode or lat/lon)

Locate

Find me

Time zone AEDT

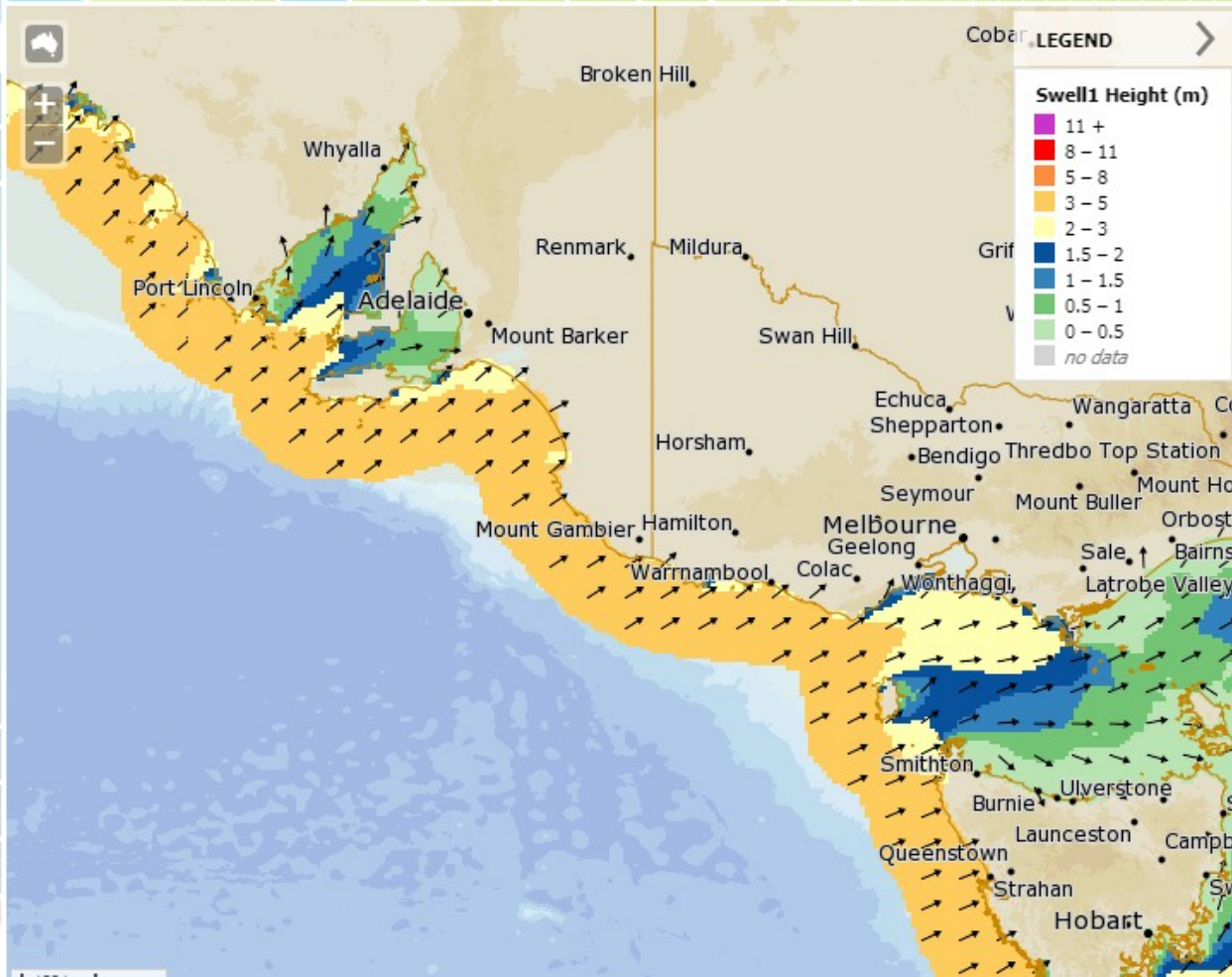


Wed

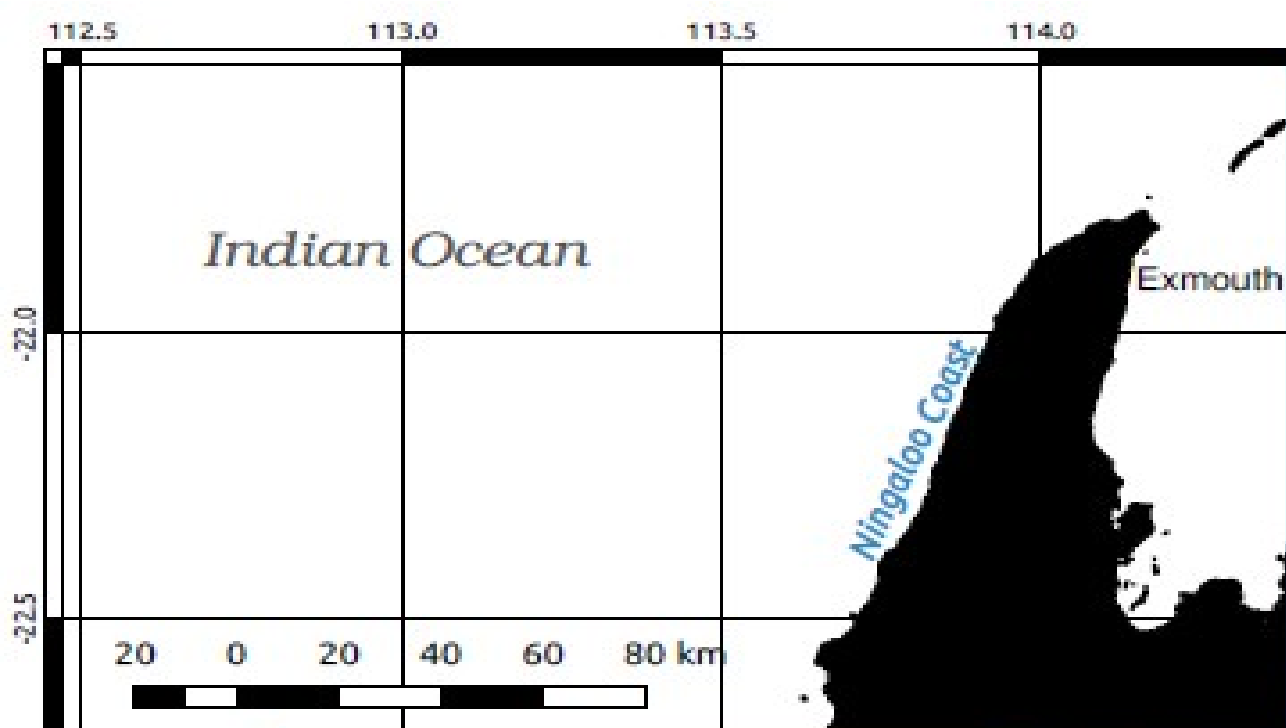
Thursday, 8 November 2018

Fri

Sat



Features and feedback



TOPO30 2014

Bathymetry



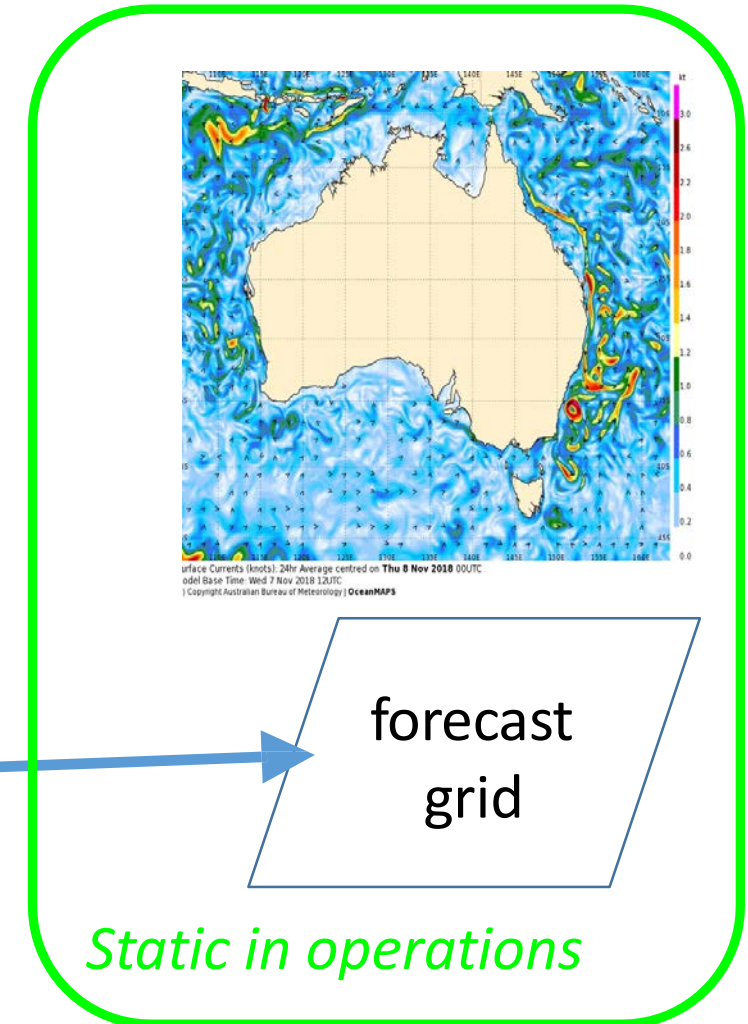
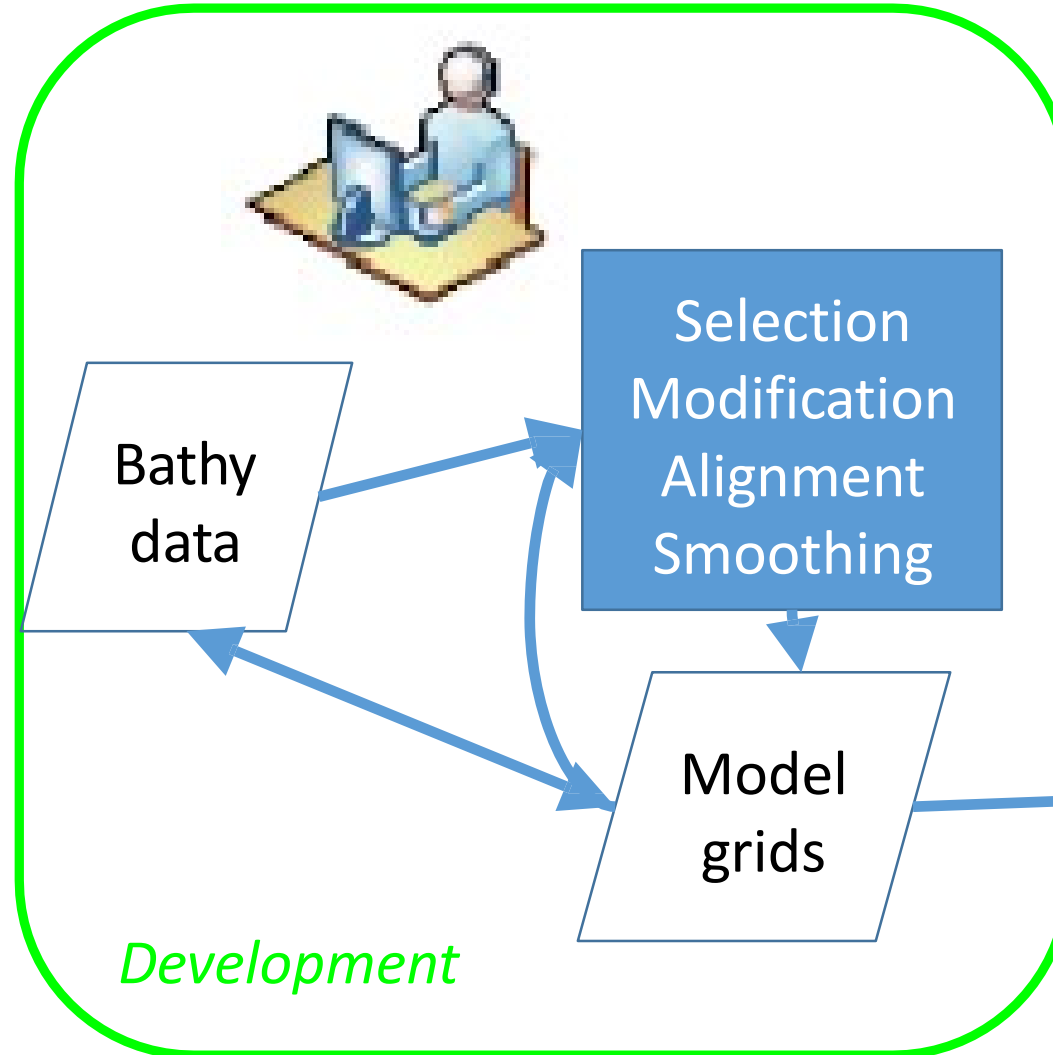
GEOSCIENCE AUSTRALIA 2009

GEBCO 2014

Custom grid development processes



Many sources





Australian Government
Bureau of Meteorology

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

Andy Taylor
Bureau of Meteorology

