



ORGANISING AUTHORITY:



# 2024 Weather Briefing

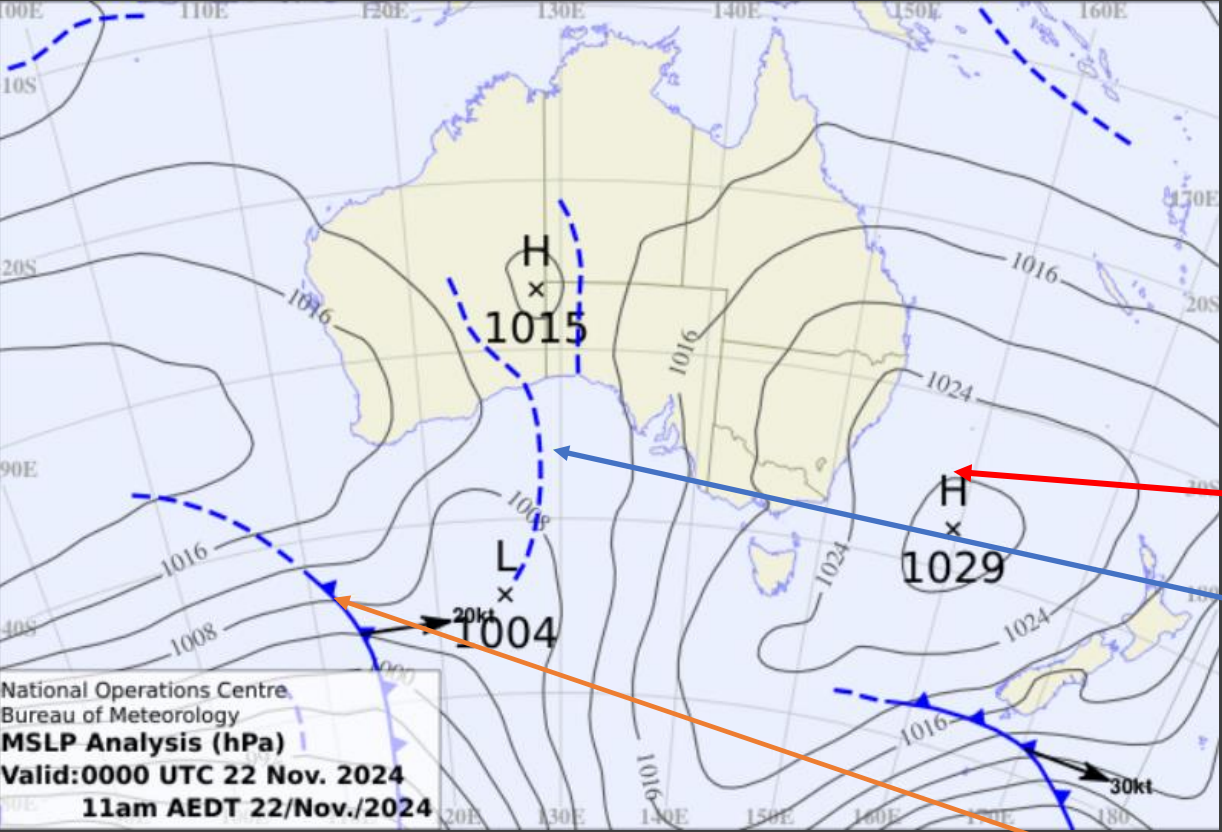
Kenn Batt – Meteorologist  
Issued at 1300hr 22/11/24

OFFICIAL

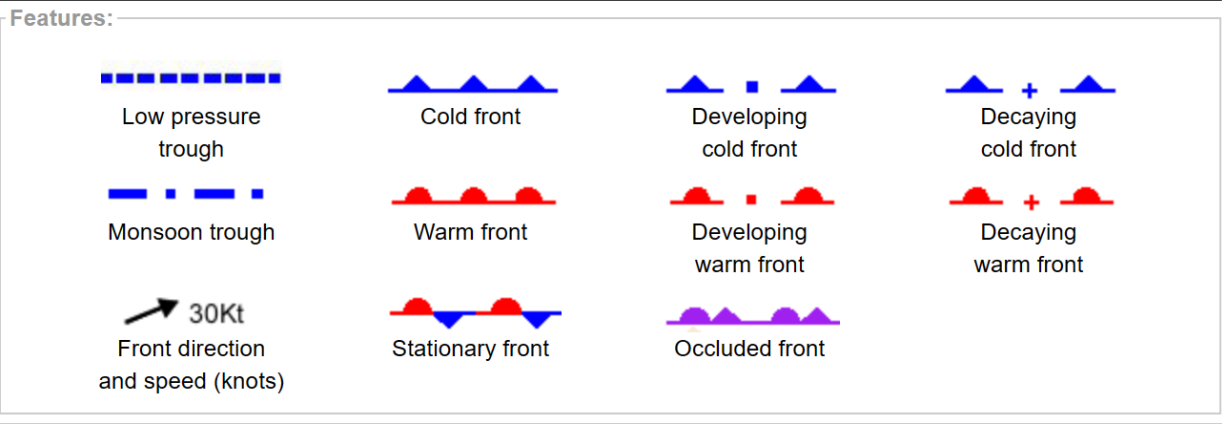
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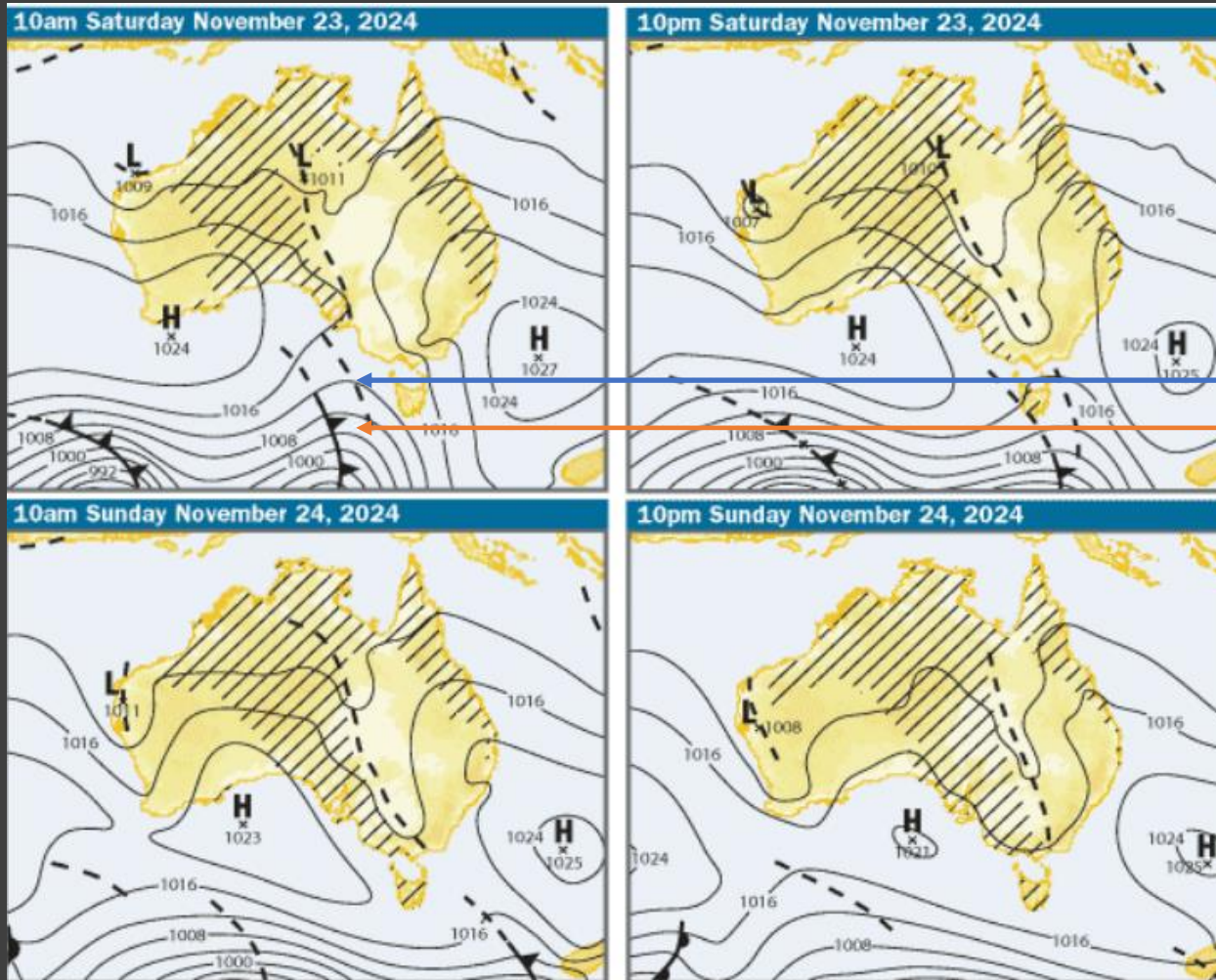
# Latest Surface Analysis



- A high pressure system lies to the east of Tasmania.
- A weak low pressure system and associated trough currently near the Head of the Bight, will move over the race area during Saturday afternoon as a pre-frontal trough.
- A cold front to the southwest of Perth, is moving toward the east. This front is expected to weaken and move through the race area late Saturday evening/early Sunday morning.



Top: Saturday 23<sup>rd</sup> Nov 10am/10pm



Bottom: Sunday 24<sup>th</sup> Nov 10am/10pm

## 2 Day Isobaric Forecast Charts – ACCESS G model

- A weak pre-frontal trough (black dashed line just ahead of the cold front) is expected to move through the race area during Saturday afternoon. The weak cold front is expected to follow the pre-frontal trough late on Saturday/early Sunday.
- There is good overall computer model consensus or what we call model convergence.
- The differences surround timings and intensities of systems and wind speeds (the usual stuff!)

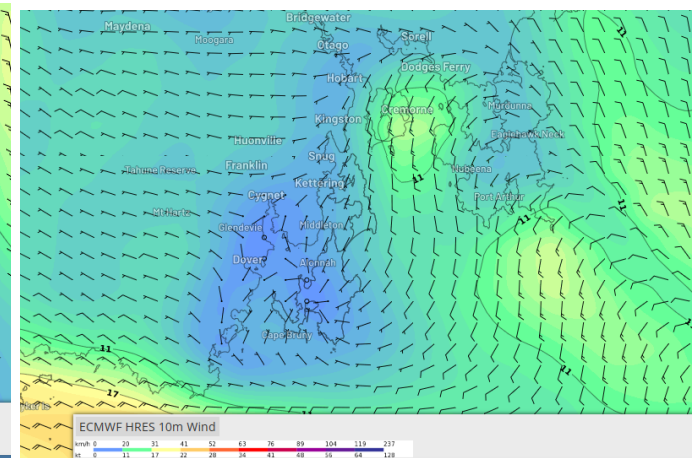
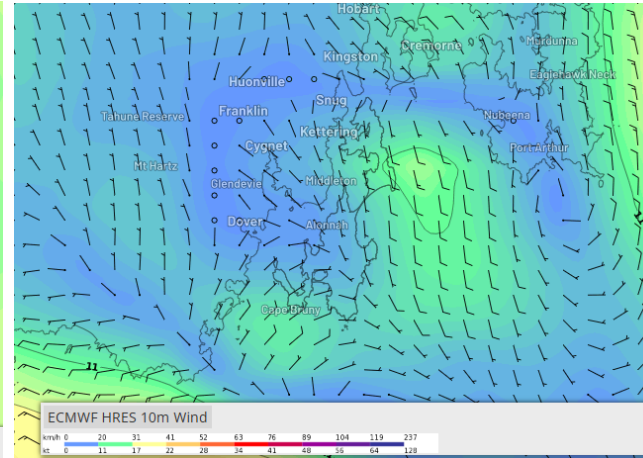
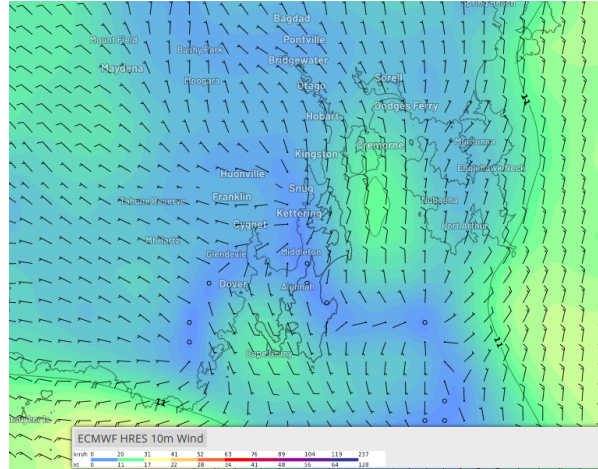
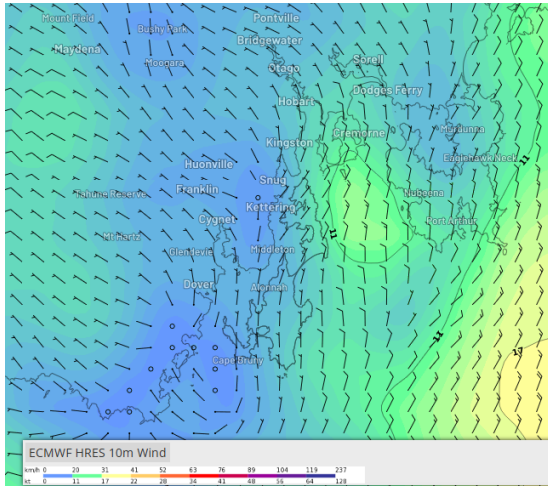
# Forecast Wind – ECMWF model

Saturday 23<sup>rd</sup> 10am

Saturday 23<sup>rd</sup> 1pm

Saturday 23<sup>rd</sup> 4pm

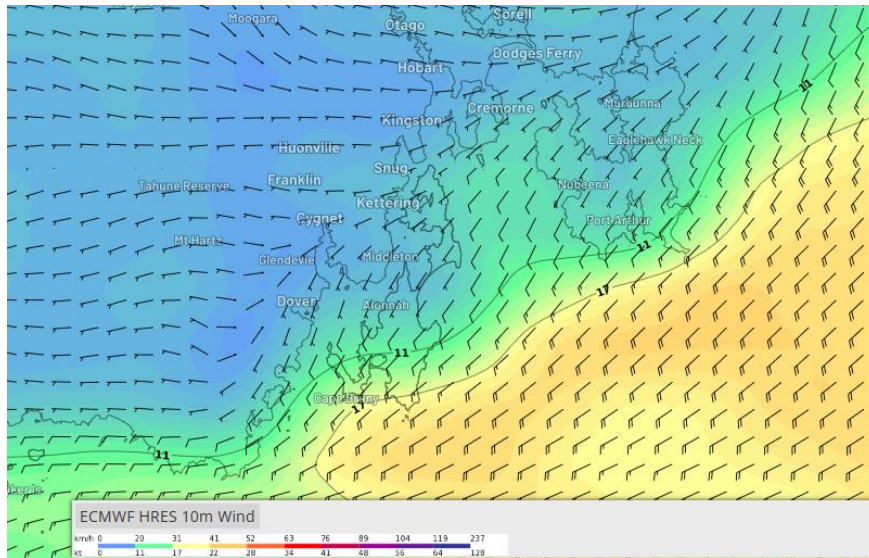
Saturday 23<sup>rd</sup> 7pm



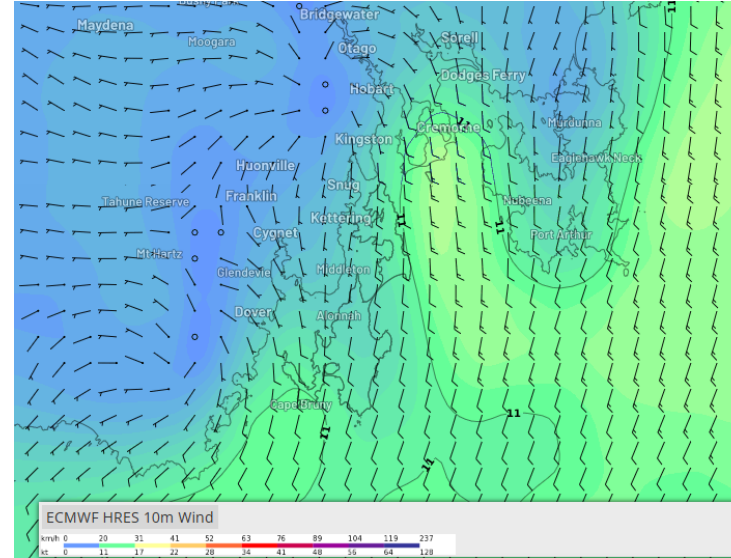
5-12kt (ave) NE-NW'ly flow is expected to persist until the pre-frontal trough moves into the race area mid-late Saturday afternoon. Winds behind the trough are expected to become S-SW'ly at 5-12kt (see 4pm chart above) and freshen to 8-14kt (ave) See 7pm chart above. There is however, a very good chance of a "big end first" 15-25kt S'ly "sea breeze" from mid to late afternoon Stay Vigilant. Winds should ease into the evening and become variable by late Saturday evening ahead of the weak cold front. From the forecast maps above, one can observe that there is a good potential for "wind holes" or "parking lots" during this race. A "spanner in the works" could be due to forecast 15-25kt W-NW winds at the 900m level that could mix down to the surface and create the situation where a 10-20kt W change could be observed? Be Vigilant. The River Derwent could become quite variable overnight. Chance of some shower activity ahead of the trough.

# Forecast Wind – ECMWF model

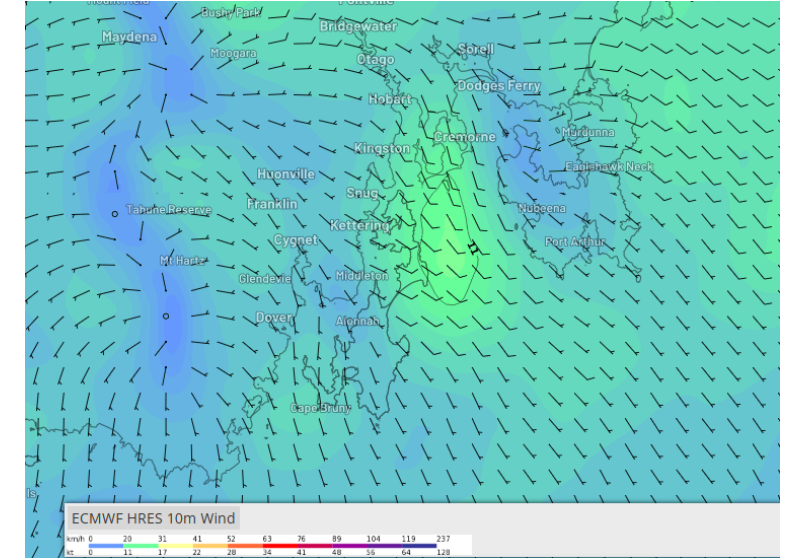
Sunday 24<sup>th</sup> 1am



Sunday 24<sup>th</sup> 7am



Sunday 24<sup>th</sup> 1pm



W-SW 5-12kt (ave) (could be 3-5kt stronger in places) winds behind the weak cold front are then expected to turn more S'ly during the morning. Winds should then tend SE'ly (due sea breeze component) during the afternoon and ease into the evening.

# The Bureau Forecast

- Derwent Estuary

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## Saturday 23 November

Winds	North to northeasterly below 10 knots becoming westerly in the evening.
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Seas	Below 0.5 metres.
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Weather	Cloudy.
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## Sunday 24 November

Winds	Southerly 10 to 15 knots becoming variable about 10 knots during the morning.
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Seas	Below 1 metre.
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Weather	Cloudy.
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# The Bureau Forecast

- Storm Bay

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## Saturday 23 November

Winds	North to northeasterly below 10 knots becoming westerly in the evening.
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Seas	Below 0.5 metres.
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Weather	Cloudy.
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## Sunday 24 November

Winds	Southerly 10 to 15 knots becoming variable about 10 knots during the morning.
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Seas	Below 1 metre.
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Weather	Cloudy.
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# The Bureau Forecast

## SE Coastal Waters

### Saturday 23 November

Winds	North to northeasterly 10 to 15 knots shifting westerly 15 to 25 knots in the late afternoon.
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Seas	Below 1 metre, increasing to 1 to 1.5 metres offshore during the afternoon.
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Swell	Southwesterly 1.5 to 2.5 metres, decreasing to 1.5 metres by early evening.
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Weather	Cloudy. 60% chance of showers.
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### Sunday 24 November

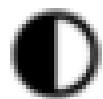
Winds	Westerly 15 to 20 knots tending southwesterly during the morning then becoming variable about 10 knots during the day.
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Seas	1 to 1.5 metres, decreasing below 1 metre during the morning.
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Swell	Southwesterly 1 to 1.5 metres, increasing to 1.5 to 2 metres during the morning.
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Weather	Partly cloudy.
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SAT 23 NOV

HIGH	4:27 am 1.17 m
LOW	9:31 am 0.95 m
HIGH	2:45 pm 1.19 m
LOW	10:01 pm 0.49 m

SUN 24 NOV

HIGH	4:53 am 1.18 m
LOW	10:33 am 0.90 m
HIGH	3:45 pm 1.11 m
LOW	10:30 pm 0.57 m

**Please note:** The predictions are in daylight saving time when it is observed.

# Last Bit

- Always keep abreast of the weather via radio sources including skeds, the internet (plenty of weather sites including the Bureau of Met) and always adopt the Eye Ball Mk1 method.
- Remember in forecasts and warnings that the average wind speed and the Significant Wave Height (Hsig) for waves is forecast.
- Marine forecasts from the Bureau of Met are low resolution. You have to fine-tune them. Local knowledge is thus paramount.
- Be aware that over short-time scales, wind gusts can be up to 40% more in moderate to heavy showers than the average. Wave heights can be higher, up to twice the Hsig and lower than the Hsig.
- Sea state can be “ugly” in situations where wind wave opposes tidal and ocean currents.
- Shaping up to be an interesting race. Quite a number of variables.
- Have a great, but a very safe race.