

For over 60 years **Weather Routing, Inc.** a 24 hour a day operation, has been the worldwide leader in the yacht forecasting industry. WRI provides detailed routing and forecast information leading up to the start of the race, enroute weather updates as rules permit, weather charts, and more. Our Race Forecasters are available to aid in the interpretation and consult in the decision making process.

Our Forecasts Include:

- Detailed Synopsis
- Hedge and Forecaster Conclusions
- Hour by Hour Wind/Sea Forecast
- Sky Conditions
- Maritime Temperature Forecast
- Current & Altimetry Charts
- Polar Chart Calculations



Weather Routing Inc. (WRI, Ltd.)
"Oceans of Experience"

Forecast for Sample Race
Prepared on Jan 12 21:47z

Synopsis: A broad trough of **LOW PRESSURE** covers Extreme SW in Thailand and extends farther south through the Malacca Strait. The trough will move NW over the next 1-2 days. To its east, we find a ridge of **HIGH** pressure, which now covers much of SE in Thailand, and extends Eward into the S in Gulf of Thailand, and will move slowly Eward through the 14th.

Current Conditions: Satellite derived wind data over the past 4-6 hours shows ENE winds from 10-15kts across the regatta region. However, the land observation at Langkawi as of 0400 local time this morning shows NE winds at 02 kts. Latest satellite imagery shows a small cluster of showers and squalls just to the south of the regatta region, which will weaken and move NWward, remaining just to the south and west of the region over the next 4-6 hours as it does so and eventually moves away from the region.

Severe Weather Potential/Advisories: The risk of severe weather across the regatta region is **LOW**. Isolated squalls within the aforementioned trough will move NWward into and just to the south and west of the region through the 14th, bringing only brief and localized higher winds in and near squalls.

14day Forecast: Forecast confidence for both today (the 13th) and the 14th is average, with generally NE-E winds to be found across the region, with the highest of winds to be found in local channeling regions (in ENE-E winds) and in enhanced onshore breezes along immediate coastal sections.

Conclusions: General ENE-E winds will be in place across the region during the early morning hours, becoming NE-E during the afternoon and early evening hours both days, with little overall change in wind speeds likely during that time.

Combined seas will tend short and choppy, consisting solely of wind driven seas with little to no accompany swell, and will be generally NE-E-ENE in direction both today and tomorrow, with the largest of seas to be found in more open and exposed waters east of Pulau Tuba.

Note overall wind directions and wind speeds in the below tabular forecast, though also note a variety of local effects to be found, namely the following:

1. Early morning winds (between 0700Z and 0800Z both days) will tend to consist of offshore land breezes, which will be as much as 3-5 kts below the LOW ends of forecast ranges/speeds during that time. Wind directions in these cases will be NNW-N within 01-02 nautical miles of Pulau Langkawi and islands just to the east, E-SE within 01-02 nautical miles of the north sides of Pulau Tuba and the north and west sides of Pulau Dayang, and NNW-ENE winds on the south sides of Pulau Dayang and Pulau Tuba. This is due to a combined of offshore land breezes (due to land/sea thermal differences) and katabatic wind effects from interior higher terrain.
2. Late morning and afternoon (from 1100Z through 1700Z) winds will tend ENE in direction, speeds from 12-15 kts on the immediate east side of Pulau Tuba. This is due to onshore sea breeze enhancements, induced by land/sea thermal differences.
3. Local "channeling" effects will keep winds ENE-E in direction between the north side of Pulau Dayang and the south side of Pulau Langkawi, with speeds

WRI Race Forecast

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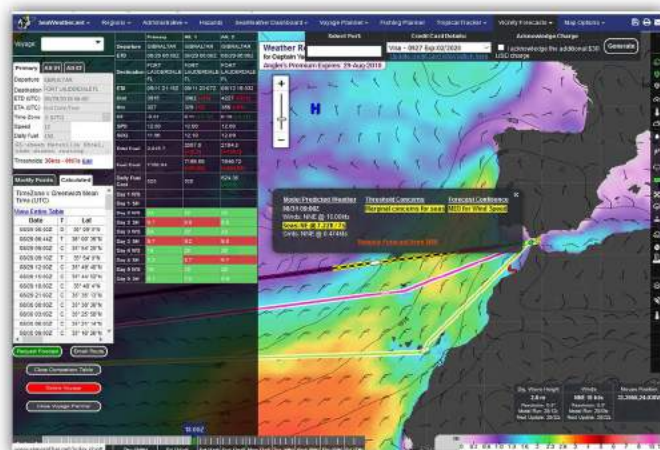
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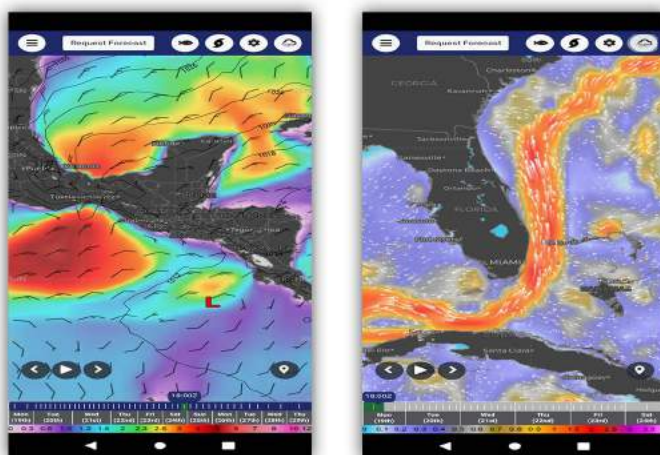
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