



NAVIGATION

Weather

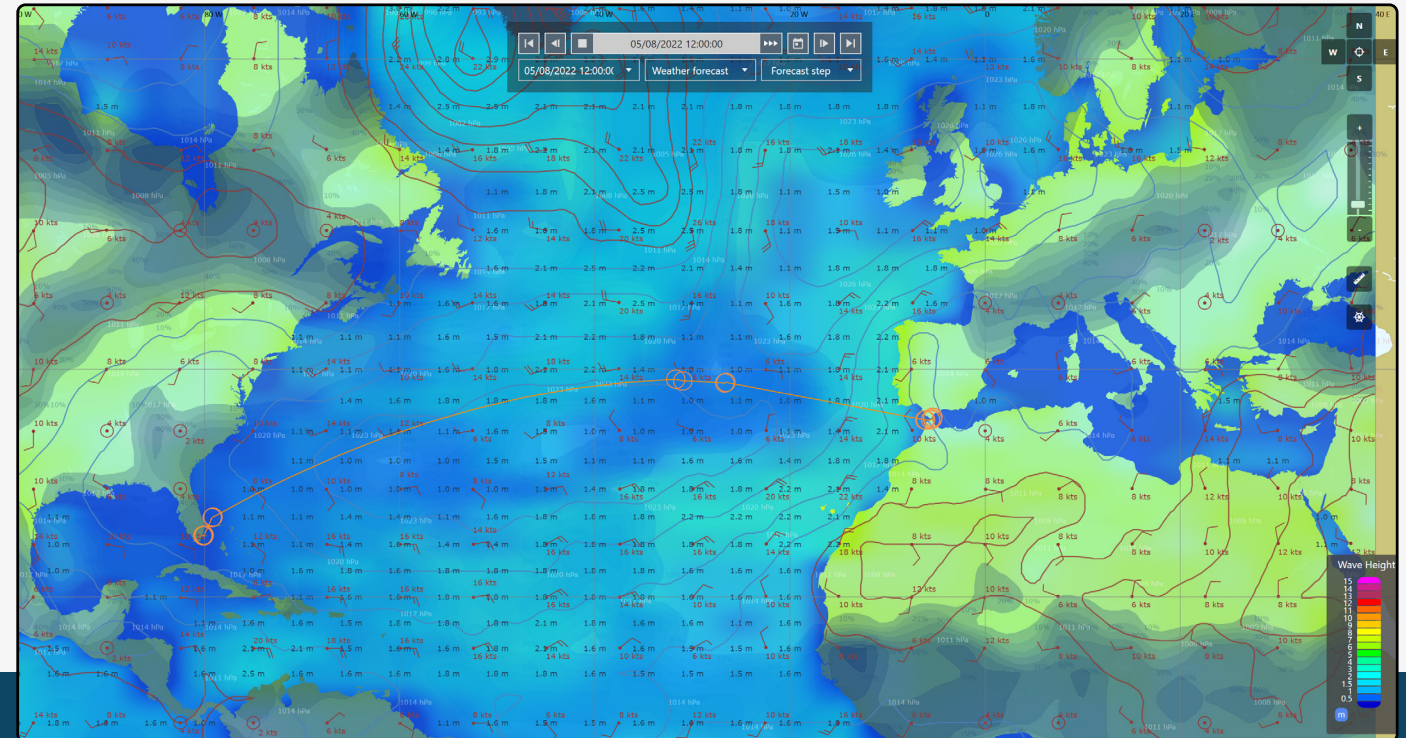
Precise weather data,
exactly when you need it



Discover a smart approach to weather monitoring

OneOcean Navigation helps to plot and execute efficient, clean and safe voyages from port to port. One of the most vital, yet changeable aspects of any voyage is making sure you are always fully aware of all weather conditions, and its impact on the vessel and the route.

OneOcean Navigation's Weather module accesses detailed forecasts for specific coordinates, ports and routes in real-time, up to nine days in advance. Ship leaders and onshore route planning teams can optimise route performance and avoid unsafe conditions, as well as conserve fuel for cost and environmental savings.



Helping you optimise the journey in all conditions

Weather is one of the most crucial factors in determining the safety, cost, schedule and overall viability of a maritime voyage. Mariners need accurate weather data to put together comprehensive passage plans that account for risk and determine scheduling and routing throughout a journey.

Manually planning the safest and most cost-effective route takes time. The Weather module of OneOcean Navigation helps streamline this process. It allows you to optimise the route plan, factoring in the following weather variables:

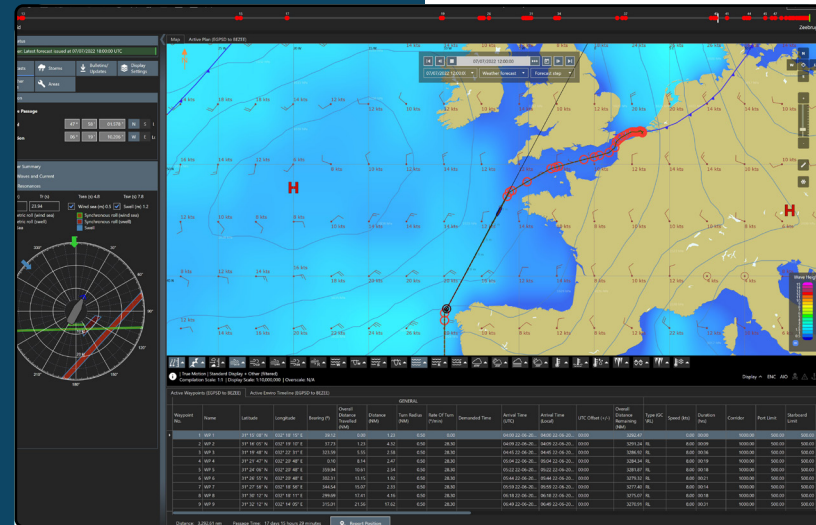
- Wind speed and direction
- Wave and swell height
- Risk of precipitation
- Visibility and atmospheric pressure



Keeping safe, efficient and environmentally aware

The data allows you to optimise routing to avoid unsafe conditions, schedule voyages within safe weather parameters and continually assess weather conditions on route. Helping you make informed operational and navigational decisions during travel.

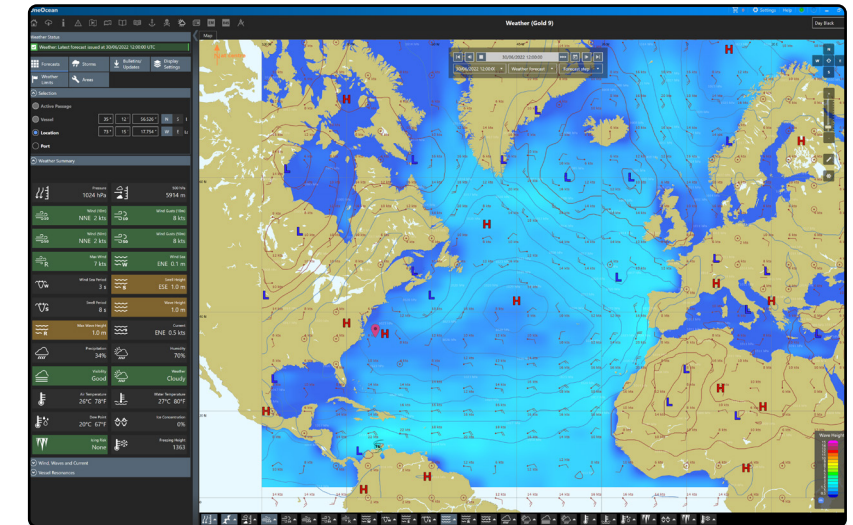
Access to weather information is also crucial in the move to decarbonisation. Powering through harsh weather conditions burns excessive amounts of fuel. By choosing a route with more favourable weather conditions, fuel efficiency is optimised and vessels can reduce their carbon footprint to compete with greenhouse gas (GHG) and carbon intensity indicator (CII) targets.



Highlights

Weather simulator shows how forecasted conditions on route will affect vessel resonances, safety, fuel consumption and arrival times

Set safety weather thresholds from shore or ship for weather aspects that create unsafe sea states, such as wind strength or wave height. These can be applied by vessel, vessel group or fleet wide



Benefits

Get a clear view with layers of weather data presented using the NOAA scale and can be turned on/off for clarity

Improved route appraisal, evaluate how conditions will affect the vessel at each stage of the journey, including synchronous and parametric roll

Better estimation for accurate voyage times and improved fuel consumption

A safety-first approach in both route planning and live mode

Weather

Access up-to-date
weather data that
lets you plan efficient,
secure routes.

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