

# EPS Long Range Forecasts

Better manage your risks & opportunities with long-range insights into likely atmospheric & oceanic conditions

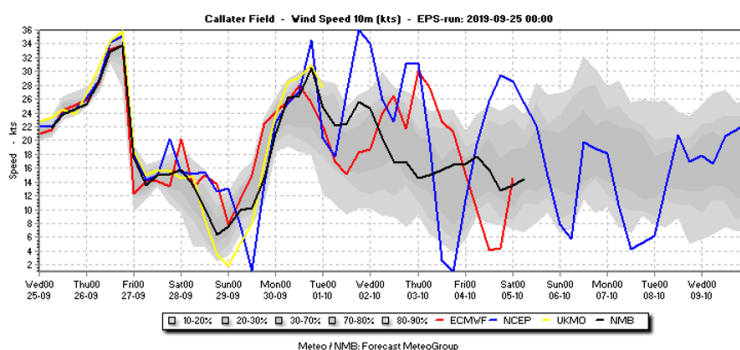
It's not enough to know about a potentially disruptive weather event. To effectively plan your operations and manage risk around it, lead time is essential. However, typically the further out a forecast goes, the less certainty it provides.

Ensemble Prediction System (EPS) Long Range Forecasts from DTN can help you not only better anticipate expected conditions, but also determine the forecast confidence level over a given period of time. It is based on an ensemble of 50 model runs compared with the operational forecast baseline that has been generated using several high-resolution model runs. When used in conjunction with your daily marine weather reports, the probability-based EPS Long Range Forecasts help you target working weather windows in the long-range and to visually understand forecast confidence.

## Features

Our EPS Long Range Forecasts provide valuable insights in a graphical format for the following parameters over a 15-day outlook period:

- Wind Speed
- Significant Wave Height
- Temperature (optional)
- Precipitation(optional)
- Clouds (optional)
- Wind Direction
- Swell Wave Height (optional)
- A detailed synoptic outlook, written by an experienced meteorologist, who evaluates forecast confidence based on the data/charts presented in the long-range forecast



The EPS Long Range Forecasts consist of EPS graphs for your requested parameters. Included are the ECMWF 50 runs (grey plum), ECMWF deterministic forecast (red line), UK Met Office run (yellow line), NCEP run (blue line), and the DTN forecast (black line).

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## Benefits

Our EPS Long Range Forecasts support sharper planning and decision making, particularly when used alongside of regular deterministic forecasts:

- Easily identify your working weather windows, based on your risk tolerance
- See and understand forecast confidence over a given time period
- Spot long-term forecast trends within the extended outlook
- Enhance your risk management operations

## Users and key use cases

Offshore Operations personnel, project planners and technicians can benefit from EPS long range forecasts by being able to plan and schedule activities beyond 7 days.

## Customers

Many of the world's leading offshore companies spanning the EPC contractor market, MODUs, and harsh environment E&P operators consistently employ the use of EPS Long Range Forecasts to support long-range planning.