Weather & Ocean Data Revolution for the Maritime Industry
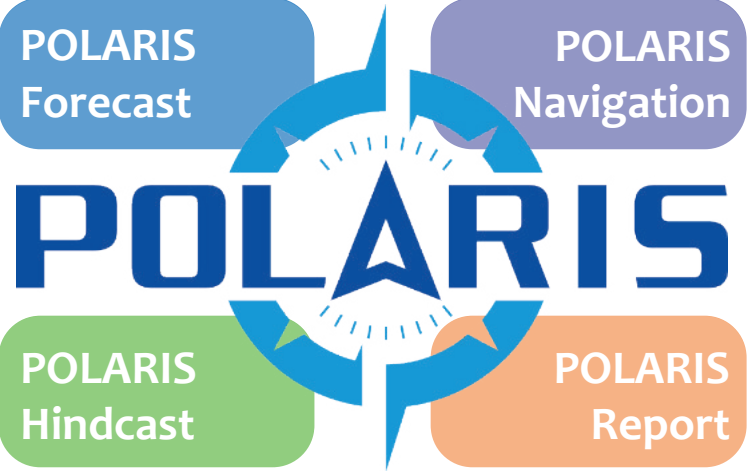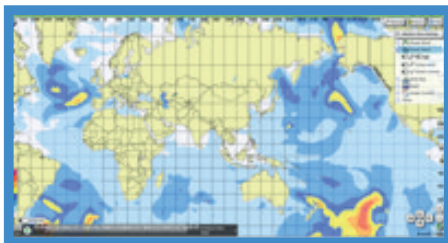## Realize "Valuable Vessel" by Weather and Ocean Data

Japan Weather Association started a new service:
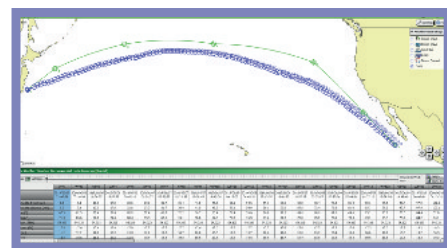
POLARIS

Meteorological and oceanographic data is essential and used in a wide range of fields: such as the assessment of efficient ship operation and its design, safe and energy saving voyage, verification and assessment after voyage, and also working on IoS (IoT of ships).
We support these fields with our POLARIS services.
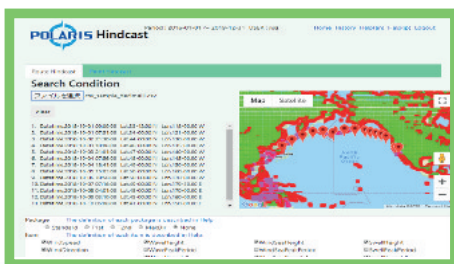For this new business in the maritime cluster, we are able to provide data by Web API.

POLARIS Forecast | POLARIS Navigation

POLARIS

POLARIS Hindcast | POLARIS Report

POLARIS Forecast provides various kinds of weather and ocean forecast data on board. You could download the application on your PC. It also covers spot-use.
*Global forecasts are up to 30 days.
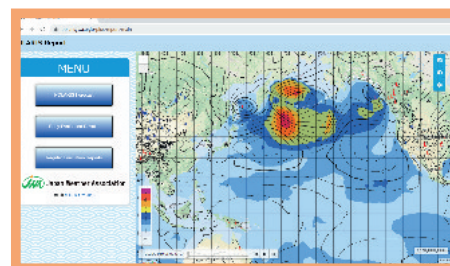*We could provide more accurate data for the oceans near Japan.

POLARIS Navigation provides various kinds of weather and ocean forecast data and optimal route information on board. Same as POLARIS Forecast, you could download the application on your PC. It also supports import and export of route information with ECDIS.

POLARIS Hindcast provides various kinds of weather and ocean data associated by the ship's track via Web API. The minimum time interval of this data is 10 minutes, and the shortest distance interval is about 20m. This global data could contribute to improve the fuel and operational efficiency of vessels.

POLARIS Report is the various vessel operational data collected by Inmarsat's Fleet Data, and JWA's POLARIS weather and ocean data gathered can be used in evaluation assessments and support CII compliance. Inmarsat's high quarity network makes it possible to comfortably use meteorological and oceanographic forecast information even on ocean-going vessels.

Precise Ocean data LibrARy and Intelligent Service