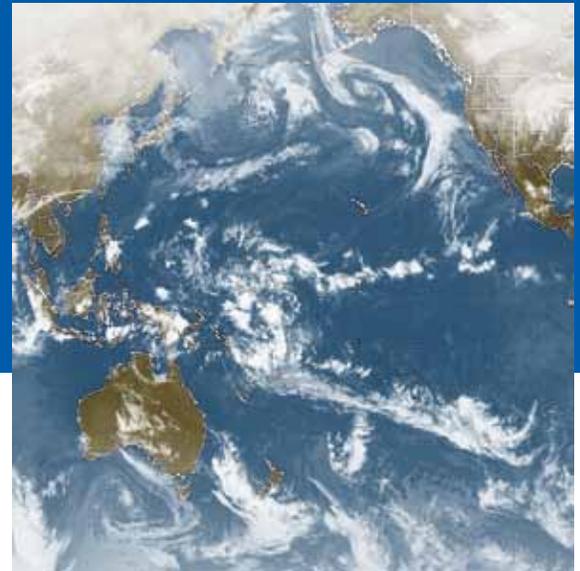


Aviation Weather Forecasting



When a major weather event occurs, an airline needs immediate, accurate information. Weather events impacting a major route or hub can affect the safety of passengers and cargo as well as the bottom line. Airline delays cost billions of dollars, which is why the meteorologists at ENSCO, Inc. anticipate and communicate weather problems that can jeopardize flight safety, create irregular operations, or generate delays. Our forecasts help airlines route around hazards and plan for and recover from disruptive weather events, maintaining schedule integrity.

Custom weather

ENSCO tailors its weather forecasts to each client and their unique needs, keeping in mind the specific customer's routes and hubs. Meteorologists focus on major weather events, such as tropical storm activity, that will directly affect their customers, incorporating only relevant information from the vast amount of weather data available on a daily basis. ENSCO customizes its forecasts to each customer so the client does not receive (or pay for) data that is not pertinent to the safety and efficiency of their operations.

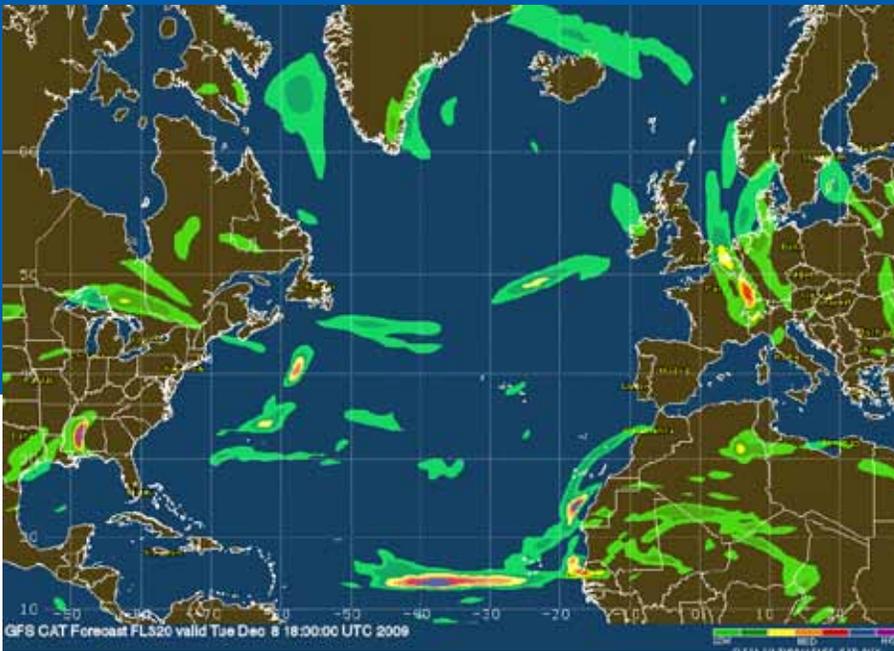
Specialized forecasting capabilities

In addition to turbulence and icing forecasts, traditional upper level wind and temperature forecasts, and surface wind direction forecasts, ENSCO offers several unique areas of expertise to its customers.

Tropical weather

ENSCO meteorologists monitor tropical weather worldwide and produce storm intensity forecasts for affected airports. The parameters include rainfall amounts, wind direction forecasts, and timing of wind speeds in excess of certain limits, i.e., the time when the wind will exceed 50 knots and when it will subside.

Accurate, customized aviation weather forecasting from experienced meteorologists



Using state-of-the-art algorithms, ENSCO produces automated clear air turbulence (CAT) forecasts that cover the entire globe. These products, which are specially tailored for international flight operations, forecast CAT at 10 flight levels between FL240 and FL440. Each flight level package contains forecast snapshots valid every 3 hours for the next 30 hours. They are updated automatically every 6 hours using high-resolution model output from the National Weather Service.

Severe weather

The ENSCO team provides highly accurate forecasts of the timing and intensity of severe weather, such as thunderstorm activity or winter snow events. Our high-resolution models and years of experience provide the necessary tools for forecasts.

Polar weather and volcanic ash forecasting

For airlines, polar routes are a viable way to reduce flight time and cost between Asia and North America. ENSCO provides support of the aviation community in this endeavor with specialized forecasting for flights over the North Pole. Our services include forecasts for severe cold temperatures aloft and solar radiation alerts, as well as forecasts and alternate landing sites (icing forecasts) for air carriers that operate two-engine aircraft over the oceans.

Similarly, ENSCO specializes in volcanic ash monitoring. The pumice created by volcanic activity is devastating to airplane engines, and low visibility can impede the safe operation of a plane. Fast alerts with accurate plume location, movement monitoring and forecasting offer essential safety measures to airlines operating on potentially hazardous routes impacted by volcanic activity.

Experience and accessibility

ENSCO is a leader in providing global weather forecasting for airline communities and space operations. Our experienced and accessible aviation meteorologists are available for in-depth consultation and analysis of your forecast.

Contact your ENSCO representative to discuss the custom weather solution that's right for you.

Five-day extended forecasts

Using advanced tools, experienced meteorologists are able to forecast weather more accurately than ever before. The more time a commercial airline has to prepare for a major weather event, the safer and more cost-efficiently it can accommodate route disruptions. ENSCO currently offers a five-day extended forecast that enables its customers to be proactive in advance of major weather events.



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