

NASA Taps Meteomatics To Enhance Aerospace Operations

The Weather Intelligence Company Zooms In On Local Weather Phenomena For Launch Planning

NEW YORK CITY, NY, UNITED STATES, April 2, 2026 /EINPresswire.com/ -- Weather intelligence and technology company [Meteomatics](#), today announced their work with the National Aeronautics and Space Administration (NASA), trialing their high resolution weather model to better forecast the weather conditions that influence integral space launch operations. Conducted at the [Wallops](#) Flight Facility, meteorologists will tap Meteomatics' technology to plan launch and other facility operations, as well as ensure safety around the base.

Range meteorologists at Wallops have begun using Meteomatics' high-resolution weather model, US1k, as well as its weather forecasting software, MetX. With US1k, NASA now has access to a weather model with a resolution 9x higher than other current leading solutions, enabling a clear, zoomed in picture of local weather phenomena. Paired with MetX, these precision data insights are gathered on one platform in the form of custom graphics, speeding up the decision process while ensuring teams have the right information at their fingertips - in a decipherable format - even in stressful situations.

"Weather forecasting has long been fundamental to NASA's launch and mission operations. US1k elevates that capability, enhancing accuracy, efficiency, and safety through sharper insight into the conditions that directly affect base operations," said Brad Guay, Head of Government & Defense Solutions at Meteomatics. "Our US1k model will provide NASA with a more granular view of local weather phenomena, significantly strengthening launch and operational strategy."

Through Meteomatics and NASA's work together, the companies are improving weather forecast reliability, saving time to decision and launch, and enhancing communications at Wallops Island.

"Meteomatics MetX has made it much easier for our teams to communicate weather conditions clearly during mission briefings, especially through the visuals we can quickly generate", said Adam Thomas, Wallops Flight Facility Weather Office. "At the same time, the US1k model gives us helpful short-term insight into local conditions—for example, giving us a clearer view of how coastal winds may affect conditions right around the launch site. Together, these solutions add another valuable layer to how we plan and manage operations at Wallops Island."

Meteomatics is committed to working with NASA, and other government partners, to further the U.S.'s observation of Earth. Read more about US1k [here](#).

About Meteomatics

Meteomatics is a weather intelligence and technology company that enables precision forecasts of the weather's impact on businesses anywhere in the world at any time. More than 600 companies, including Tesla, CVS Health, Swiss Re, McCain, NASA, Honda, Airbus, Stellantis, and Axpo Power, rely on Meteomatics for weather data that can significantly impact everything from energy savings and logistics to process automation and risk management to product design. The company's robust approach to weather data collection, modeling, visualization, and delivery rivals even the most sophisticated government and commercial services. Its autonomous Meteodrone, paired with high-resolution weather models, enables granular visibility (down to a single square km) into weather phenomena that traditional weather sensing technology does not regularly or accurately observe. Meteomatics is headquartered in Switzerland, with local operations in the U.S. (New York City), the UK, Germany (Berlin), Norway (Oslo), and Spain.

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