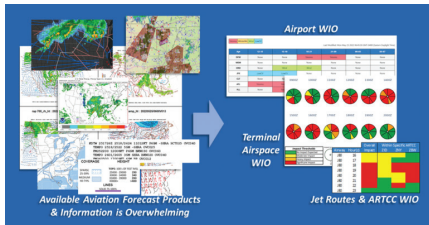


# SMARTSKY PREDICTIVE WEATHER Data Suite

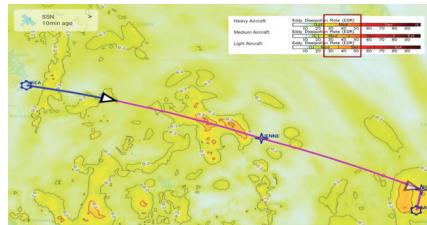
## Predictive Weather Data for Aviation

SmartSky® brings data from predictive weather providers AvMet Applications, FLASH AI, and Meandair to aviation, supporting enhanced situational awareness for the industry in the air and on the ground. SmartSky enables this offering through its next generation network, advanced hardware, and enhanced services, which include the SkyTelligence® aviation data exchange.

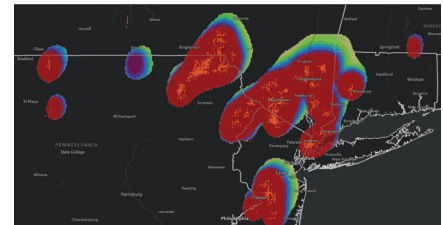
For the first time, pilots, airline dispatch, FBOs, airports and ground operations can have access to these predictive capabilities delivered via SmartSky's weather offerings. These data sets are part of the SmartSky Predictive Weather Suite delivered via SkyTelligence.



**AvMet Applications offers solutions that help to enhance flight planning processes** with live Forecast/Observed Weather Impact Outlooks. These predictive services include significant weather impacts for airports, key arrival and departure terminal airspace, and jet routes, available for any airport in the US as well as selected aerodromes globally. Forecasts are updated hourly, continuously ranking the severity of weather impact.



**Meandair Nowcasting Weather Engine** technology assimilates numerous global weather prediction forecasts from weather sensors including satellites, ground stations, radar, and flying aircraft, into a comprehensive snapshot of the atmospheric column. Meandair's Nowcasting Weather Engine delivers 24/7 updates including cloud structure at altitudes, synthetic precipitation radar, active thunderstorms detection, turbulence predictions, and AWMETAR/ AW-TAF reports for flight conditions at all small and large airports and heliports.



**FLASH AI predictive lightning capabilities** utilize AI and deep learning to provide up to 6 hours of lead time with greater than 90% first strike accuracy. FLASH AI provides Last Strike notifications when it is safe to resume normal activities. FLASH can reduce flight delays waiting for "All-Clear" at an airport, saving fuel costs and improving safety. Nationwide weather data analysis enables enhanced awareness to reduce delays and increase advance notice to customers.