



# The Aviation Weather Center

Trusted authority and leading innovator for aviation weather information



## WHAT IS OUR PURPOSE?

The Aviation Weather Center delivers consistent, timely, and accurate weather information for the world airspace system. We are a team of highly skilled people dedicated to working with customers and partners to enhance safe and efficient flight.

National Aviation Meteorologists (NAMs)	Domestic and International Operations	Aviation Support Branch
<p>63% of delays in the National Airspace System (NAS) are attributed to weather. This results in aviation industry losses in excess of \$20B each year. NAMs provide meteorological expertise/advice on traffic management initiatives and collaborate with multiple offices.</p> <ul style="list-style-type: none"> <li>• NWS CWSUs</li> <li>• NWS WFOs (create TAFs)</li> <li>• National Centers (NHC, SPC)</li> <li>• Airline meteorologists</li> <li>• TFM Convective Forecast (TCF)</li> </ul>	<p>One of three U.S. Meteorological Watch Offices supporting the NAS. One of two World Area Forecast Centers providing global data and awareness. AWC issues aviation warnings (SIGMETs), advisories (AIRMETs) and prepares domestic/international forecasts.</p> <ul style="list-style-type: none"> <li>• G-AIRMET Desks (Clouds &amp; Visibility, Icing, Turbulence)</li> <li>• Convective SIGMET Desk</li> <li>• TCF Desk (primary convective guidance to FAA planning)</li> <li>• Tropical Desk (area forecasts, oceanic SIGMETs)</li> <li>• Significant Weather Desks (international collaboration, 24-hour planning charts)</li> </ul>	<p>Developing the latest tools and innovative meteorological techniques for aviation forecasting. These efforts ensure the protection of pilots and passengers, support of operations, and continuous improvement of research to operations.</p> <ul style="list-style-type: none"> <li>• WAFS Internet File Service</li> <li>• Aviation Weather Guidance</li> <li>• Science and Technology (gridded data)</li> <li>• Aviation Weather Testbed</li> <li>• Aviation Weather Research Program</li> </ul>

