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Public Information Statement 26-38
National Weather Service Headquarters Silver Spring MD
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From: Clinton Wallace, Director
 Space Weather Prediction Center

Subject: Soliciting Comments through October 27, 2026 on the Experimental Use of Commercial Data in the Global Total Electron Content (GloTEC) Ionosphere Model

Through October 27, 2026, the National Weather Service (NWS) Space Weather Prediction Center (SWPC) in Boulder, CO, is soliciting comments on the Experimental Use of Commercial Data in the Global Total Electron Content (GloTEC) ionosphere model, located at:

<https://testbed.swpc.noaa.gov/products/experimental-glotec>

The GloTEC ionosphere model was developed in-house at SWPC. It is a real-time data assimilation system based on the Gauss-Markov Kalman Filter. It ingests ground-based and space-based slant TEC measurements to estimate 3-dimensional electron density. The electron density is integrated vertically to produce TEC products for the Continental United States, North America, and the globe.

For more information about the experimental use of commercial data in the GloTEC model, review the product description document at this link:

https://nsdesk.servicenowservices.com/api/g_noa/nwspc/res2/fee0c1181bc8cf180d690f67624bcbe5

Input on the GloTEC model can be provided to:

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National Public Information Statements are online at:

<https://www.weather.gov/notification/>

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