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PNSWSH

Public Information Statement 26-45
National Weather Service Headquarters Silver Spring MD
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From: Clinton Wallace
 Director, Space Weather Prediction Center

Subject: Soliciting Comments on the Experimental Solar Wind Display
Product for In-Situ Instruments through June 28, 2026.

The National Weather Service (NWS) is soliciting comments on an experimental solar wind display with data from the NASA Advanced Composition Explorer (ACE) and the NOAA Deep Space Climate Observatory (DSCOVR) spacecraft. When they become available, data will be added from the NOAA Space Weather Observations at Lagrange point 1 (L1) to Advance Readiness (SOLAR-1) spacecraft and the NASA Interstellar Mapping and Acceleration Probe (IMAP). The experimental solar wind display is intended to replace the legacy solar wind display.

These spacecraft are located at the L1 between the Earth and the Sun, about 1,500,000 km upwind of Earth. This location allows the Space Weather Prediction Center (SWPC) to provide up to one hour of advanced warning of geomagnetic storms before they arrive at Earth. These storms can impact the electrical power grid, aircraft, GPS, and satellite operations.

ACE instruments include the Solar Wind Electron Proton Alpha Monitor (SWEPAM) and a Magnetometer (Mag). DSCOVR instruments include the Faraday Cup (FC) and a Magnetometer (Mag). SOLAR-1 in situ instruments include the Solar Wind Plasma Sensor (SWiPS), the SupraThermal Ion Sensor (STIS), and a Magnetometer (MAG). IMAP instruments include the Solar Wind and Pickup Ions (SWAPI), the Compact Dual Ion Composition Experiment (CoDICE), and a Magnetometer (MAG). SWiPS and SWAPI provide information about the solar wind plasma, while STIS and CoDICE provide information about the energies and amount of solar particles present.

This new experimental solar wind display can be found at <https://www.spaceweather.gov/products/solar-wind> , and the legacy display will, for the time being, remain at <https://www.spaceweather.gov/products/real-time-solar-wind> .

Programmatic support for NASA/ACE and NOAA/DSCOVR is currently scheduled to end on or about June 30, 2026, at which time the legacy solar wind display will be removed.

A description of the Experimental Solar Wind Display Product for In-Situ Instruments can be found at the following link:

https://nsdesk.servicenow.services.com/api/g_noa/nwspc/res2/40361ed2cfc10350cf3cf6152f851c63

Input on the Experimental Solar Wind Display Product for In-Situ Instruments is being sought from users through June 12, 2026.

Please submit comments to:

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National Public Information Statements are online at:

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

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