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Public Information Statement 23-57  
National Weather Service Headquarters Silver Spring MD  
1220 PM EDT Mon Oct 23 2023

To:           Subscribers:  
              -NOAA Weather Wire Service  
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              -NOAAPort  
              Other NWS Partners, Users and Employees

From:       Bruce Entwistle  
              Chief, Aviation and Space Weather Services Branch

Subject: Soliciting Comments through December 31, 2023 on Experimental  
Deployment of Updated Solar Cycle Prediction Product Webpage

On or about October 25, 2023, at 1700 Coordinated Universal Time (UTC),  
the National Weather Service will deploy an experimental webpage with an  
updated prediction for Solar Cycle 25. This updated prediction is an  
enhancement of the solar cycle progression products now distributed on  
the following public webpages:

<https://www.swpc.noaa.gov/products/solar-cycle-progression>

<https://www.swpc.noaa.gov/products/predicted-sunspot-number-and-radio-flux>

These existing products include a prediction for Solar Cycle 25 from an  
international National Oceanic and Atmospheric Administration/National  
Aeronautics and Space Administration/International Space Environment  
Services panel that was convened in 2019. This new product leverages the  
latest observations of the international sunspot number and the 10.7 cm  
radio flux in order to provide a more accurate prediction for the  
progression of solar activity through the year 2032. The experimental  
product page on the Space Weather Prediction Testbed (SWPT) website  
provides the following products, each of which will be updated on a  
monthly basis (on or about the 2nd day of the month) as new observations  
become available:

1. A graphical figure showing the observed monthly sunspot number for  
Solar Cycle 25, which began in 2019, together with the predicted sunspot  
number through the year 2032. Uncertainty in the prediction is portrayed  
as quartiles.
2. Similar to item 1 but showing observations and predictions for the  
F10.7 cm radio flux through 2032.
3. A file in json (JavaScript Object Notation) format that contains  
quantitative values for the predicted sunspot number and F10.7 cm radio  
flux through 2032, with estimated uncertainties.

The experimental webpage will be available at:

<https://testbed.spaceweather.gov/products/solar-cycle-progression-updated-prediction-experimental>

A Product Description Document for the Experimental Deployment of Updated Solar Cycle Prediction Product Webpage is provided online:

[https://nsdesk.servicenow.com/api/g\\_noa/nwspc/res2/21a66e6c1b86bd10ee15a7dbe54bcb5e](https://nsdesk.servicenow.com/api/g_noa/nwspc/res2/21a66e6c1b86bd10ee15a7dbe54bcb5e)

Input is being sought on the Experimental Deployment of Updated Solar Cycle Prediction Product Webpage through December 31, 2023 at:

<https://www.surveymonkey.com/r/ExpSolarCyclePredicationProductWebpage>

For any additional comments/feedback on this change at SWPC, please contact:

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National Public Information Statements are online at:

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

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