

NOUS41 KWBC 051635
PNSWSH

Service Change Notice 23-79
National Weather Service Headquarters Silver Spring MD
1235 PM EDT Mon Aug 5 2024

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

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

Subject: Deployment of an Update to the GOES Proton Flux Plot on or about August 6, 2024

On or about August 6, 2024, at 1500 Coordinated Universal Time (UTC), the National Weather Service (NWS) Space Weather Prediction Center (SWPC) in Boulder, CO will deploy an update to the observed Geostationary Orbiting Environmental Satellite (GOES) Proton Flux plots displayed on the SWPC website. This update will add the GOES ≥ 500 MeV proton flux to the time series plot, and will benefit users with an interest in the high energy proton flux. For example, users in the aviation industry will be able to monitor for the enhancement of radiation dose rates at aviation flight levels for whom the ≥ 500 MeV proton flux is pertinent for assessing exposure. In addition, users associated with the conduct of human space exploration will be able to monitor for potential radiation impacts to astronauts and hardware.

The plot is located at <https://www.swpc.noaa.gov/products/goes-proton-flux>.

For any comments/feedback on this update, please contact:

Ms. Tamara Bledsoe
Software Developer
NOAA Space Weather Prediction Center
Boulder, CO
Email: tamara.bledsoe@noaa.gov

and

Dr. Hazel Bain
Research Scientist
NOAA Space Weather Prediction Center
Boulder, CO
Email: hazel.bain@noaa.gov

National Service Change Notices are online at:

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

NNNN