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Service Change Notice 20-88
National Weather Service Headquarters Silver Spring MD
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From: Bruce Entwistle, Chief
 Aviation and Space Weather Services Branch

Subject: Regional Geoelectric Model Upgraded to 3D-empirical at the Space
Weather Prediction Center: Effective September 24, 2020

Effective September 24, 2020, the following upgrade to the Regional
Geoelectric model will occur:

- A new near-real-time geoelectric field map product will be generated which uses a three-dimensional (3D) empirical model based on detailed magnetotelluric surveys. The quantitative results will be distributed on the web as geojson files.

- The new map product will provide higher resolution coverage with more accurate geoelectric fields over the parts of the contiguous U.S. (CONUS) where surveys have been completed.

- Since the entire CONUS has not yet been surveyed, SWPC will continue to provide the geoelectric maps based on the 1D models to provide ongoing service to these areas. Over time, as more surveys are completed, SWPC will fill in the gaps with the newer modeling technique on an ongoing basis.

More information about the upgrade to the Regional Geoelectric model, along with products from it, are available at:

<https://www.swpc.noaa.gov/products/geoelectric-field-1-minute>

For any comments/feedback on the model upgrade at SWPC, please contact:

Dr. Steven Hill
Lead, Development and Transition Section
NOAA Space Weather Prediction Center
Boulder, CO
steven.hill@noaa.gov

and

Dr. Jennifer L. Meehan
National Space Weather Program Lead
National Weather Service Headquarters
Silver Spring, MD
jennifer.meehan@noaa.gov

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