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](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](mailto:steven.hill@noaa.gov)
Dr. Jennifer L. Meehan  
National Space Weather Program Lead  
National Weather Service Headquarters  
Silver Spring, MD  
jennifer.meehan@noaa.gov

National Service Change Notices are online at:  

https://www.weather.gov/notification

NNNN