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PNSWSH

Service Change Notice 20-88  
National Weather Service Headquarters Silver Spring MD  
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To:           Subscribers  
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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 is as follows:

- A new near-real-time geoelectric field map product will be generated which uses a 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 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:

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