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PNSWSH

Service Change Notice 17-06
National Ocean Service Office of Coast Survey Silver Spring MD
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To: Subscribers:
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From: Edward Myers
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Subject: Modification of NOAA's nowCOAST map services
effective February 28, 2017.

Effective Tuesday, February 28, 2017, NOAA's nowCOAST (trademark) map services (<https://nowcoast.noaa.gov>) will provide users with access to the NOAA/NESDIS Global Mosaic of Geostationary Satellite Imagery (GMGSI) via nowCOAST's time-enabled web mapping services.

The GMGSI includes visible, shortwave infrared and longwave infrared imagery. The addition of the GMGSI will provide, for the first time on nowCOAST, weather satellite coverage for U.S. territories west of Hawaii. In addition, a mosaic of shortwave infrared imagery from GOES WEST and EAST also will be available. The shortwave infrared imagery provides additional cloud information as well as fog detection at night. The new imagery will be available via nowCOAST's map services via two protocols: GeoServices Representational State Transfer (REST) map services and Open Geospatial Consortium (OGC) compliant Web Map Services (WMS). Users will be able to view the GMGSI and GOES shortwave infrared imagery via the nowCOAST map viewer.

To properly reflect the addition of GMGSI to nowCOAST, the name of the nowCOAST map service will change from `sat_meteo_imagery_goes_time` to `sat_meteo_imagery_time`. Users of the existing map service should update their applications to use the new URL after the new service becomes available. The specific changes users need to make depend on the type of protocol or endpoints used.

Users of REST Map Service Endpoints

A HTTP redirect will be implemented to reduce the immediate impact of the changes to users of REST map service endpoints. Users will be able to continue using their layer identifiers to

access the GOES visible, water vapor and longwave infrared imagery, but will need to modify their applications if they wish to display the new GOES shortwave infrared or GMGSI imagery layers.

Users of WMS Endpoints

Users of WMS endpoints will need to update their applications according to the updated capabilities Extensible Markup Language (XML) file obtained via a GetCapabilities request to continue displaying GOES imagery and to add the new imagery if desired.

Additional information for users of WMS and REST map service endpoint will be found at <https://nowcoast.noaa.gov/help/#!section=wms-layer-ids>

and

<https://nowcoast.noaa.gov/help/#!section=rest-layers-ids>

respectively.

The above nowCOAST URLs will not contain information about the new imagery until the new version is implemented.

The GMGSI has a spatial resolution of 8 km and is composed of imagery from U.S. GOES, Meteosat-7 and -10, and Himawari-8 weather satellites. GMGSI will be updated approximately every 3 hours in the nowCOAST map service. The mosaic of GOES West and East shortwave infrared imagery will be updated every 30 minutes to ensure the latest imagery is available to users as soon as it becomes available from NESDIS. Additional information about the NESDIS GMGSI can be found at <http://www.ospo.noaa.gov/Products/imagery/>

Once implemented, detailed information about the new nowCOAST map service will be found at https://nowcoast.noaa.gov/arcgis/rest/services/nowcoast/sat_meteo_imagery_time/MapServer

Please note that this URL will not be accessible until the new version is implemented.

nowCOAST provides coastal intelligence on present and future environmental conditions for coastal and maritime users by integrating data and information from across NOAA and other federal and state agencies. nowCOAST was developed by NOAA/National Ocean Service's Coast Survey Development Laboratory, and is hosted on NOAA's Integrated Dissemination Program (IDP) infrastructure where it is monitored 24 x 7 by NWS/NCEP Central Operations.

For questions concerning nowCOAST, please contact:

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For questions concerning the NESDIS GMGSI, please contact:

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National Ocean Service Change Notices are online at:

<http://www.weather.gov/os/notif.htm>

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