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PNSWSH

Service Change Notice 17-06
NOAA's National Ocean Service Office of Coast Survey Silver Spring MD
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To: Subscribers:
           -NOAA Weather Wire Service
           -Emergency Managers Weather Information Network
           -NOAAPort
           Other NOS and NWS Partners, Users and Employees

From: Edward Myers
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           NOS/Office of Coast Survey

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 Geostationary
Orbiting Environmental Satellite (GOES) WEST and EAST will also 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 three 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 the National Environmental Satellite, Data and Information Service (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/National Centers for Environmental Prediction (NCEP) Central Operations.

For questions concerning nowCOAST, please contact:

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For questions concerning the NESDIS GMGSI, please contact:

NESDIS Office of Satellite and Product Operations
Suitland, MD
Email: spsd.userservices@noaa.gov

National Service Change Notices are online at:

https://www.weather.gov/notification/archive

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