

NOUS41 KWBC 211200
PNSWSH

Service Change Notice 17-135
National Weather Service Headquarters Silver Spring MD
700 AM EST Thu Dec 21 2017

To: Subscribers:
 -NOAA Weather Wire Service
 -Emergency Managers Weather Information Network
 -NOAAPort
 Other NWS Partners, Users and Employees

From: Joseph Pica
 Director, NWS Office of Observations

Subject: Add Geostationary Operational Environmental Satellite-16 (GOES-16) Level 2 Derived Products to the Satellite Broadcast Network (SBN or NOAAPort): Effective January 17, 2018

Effective on or after 1500 Coordinated Universal Time (UTC) Wednesday, January 17, 2018, additional GOES-16 Level 2 Derived Products will be added to the SBN (also known as NOAAPort). These products are based on data from the GOES-16 Advanced Baseline Imager (ABI).

On December 18, 2017, NOAA officially designated GOES-16, now stationed at 75.2 degrees West longitude, as GOES East; however, certain GOES-16 products, including the three products described here, will remain under validation and testing through early 2018. Users receiving these data through any dissemination means assume all risk related to their use of GOES-16 data and NOAA disclaims any and all warranties, whether express or implied, including (without limitation) any implied warranties of merchantability or fitness for a particular purpose. These products are being added to enable the testing of networks and systems with actual GOES-16 data, and so that users will be able to evaluate the products during this validation/test period.

It is not recommended that these preliminary products be used in operational forecast processes during this product validation/test period. Any downstream postings of these data should clearly convey their preliminary, non-operational and in- testing nature. Furthermore, this data stream may be subject to temporary unannounced data outages and modifications during this validation and testing period. One or more follow-on notices will provide information on the progress and conclusion of the validation period.

The derived products described below join other GOES-16 derived products already on the SBN, such as those described in Service Change Notice 17-73:

https://www.weather.gov/media/notification/pdfs/scn17-73goesr-1_2.pdf

The new GOES-16 level 2 derived products and the first 11 characters of their World Meteorological Organization (WMO) headers are as follows:

GOES-16 Product -----	WMO Header -----
Sea Surface Temperature	IXTM99 KNES
Volcanic Ash	IXTC99 KNES
Rain Rate / QPE*	IXTF99 KNES

*QPE: Quantitative Precipitation Estimate

The geographical coverage for these products corresponds approximately to the ABI Full Disk domain. The horizontal resolution of these products is approximately 2km.

In the WMO header, KNES signifies that NOAA/NESDIS originates the products.

Approximate hourly product counts and hourly volumes for the three new product additions are as follows:

GOES-16 Product -----	Hourly Count -----	Hourly Volume -----
Sea Surface Temperature	1/hour	32 Mbytes/hour
Volcanic Ash	4/hour	139 Mbytes/hour
Rain Rate / QPE	4/hour	8 Mbytes/hour

Product counts and volumes could vary due to ABI mode changes, diurnal variations, file-compression variability, and other factors.

For the foreseeable future, the SBN's Experimental channel (PID 106) will be used to disseminate these GOES-16 Level two derived products; however, NWS anticipates the SBN suite of GOES-16 products described here will evolve. SBN dissemination of some GOES-16 Level two derived products is likely to be discontinued after an evaluation period. Other GOES-16 derived products eventually will be moved to other SBN channels and possibly modified. GOES-S (later, GOES-17) products are also planned for addition to this channel during 2018. Future Service Change Notices will describe these changes in advance.

The file format for these products is netCDF4.

Additional information about the flow of GOES-16 products on the SBN will be posted at the following website:

http://www.nws.noaa.gov/noaaport/html/GOES_R.shtml

Critical weather or other factors could delay the activation of these products on the SBN.

For questions pertaining to this change or upcoming plans for the addition of GOES-16 products onto NOAAPort, please contact:

Brian Gockel
NOAA/NWS Office of Observations
Silver Spring, MD
Email: brian.gockel@noaa.gov

and

AWIPS Network Control Facility (NCF) Help Desk
NOAA/NWS Office of Central Processing
Silver Spring, MD
Email: nws.ncf.supervisors@noaa.gov

For questions regarding the scientific or technical content of the NOAAPort-disseminated GOES-16 products, please contact:

Environmental Satellite Processing Center (ESPC) Help Desk
Suitland, MD
Phone: 301-817-3880
Email: espcoperations@noaa.gov

National Service Change Notices are online at:

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

NNNN