

NOUS41 KWBC 121945
PNSWSH

Service Change Notice 18-17
National Weather Service Headquarters Silver Spring MD
245 PM EST Mon Feb 12 2018

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-East) Level 2 Derived Products to the SBN or NOAAPort: Effective February 28, 2018

Effective on or after 1500 Coordinated Universal Time (UTC) Wednesday, February 28, 2018, additional GOES-16 (GOES-East) Level 2 Derived Products will be added to the Satellite Broadcast Network (SBN), also known as NOAAPort. These products are based on the GOES-16 Advanced Baseline Imager (ABI). These GOES-16 derived products have been only partially validated and remain in a pre-operational stage. Validation efforts will continue well into this calendar year.

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.

NOAA does not recommend using these preliminary products in operational forecast processes, especially during the validation/test period. Any downstream postings of these data should clearly convey their preliminary non-operational status. 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 (SCN) 17-135:

https://www.weather.gov/media/notification/pdfs/scn17-135goes16derived_products.pdf

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

GOES-16 Product -----	WMO Header -----	Region -----
Legacy Vertical Temperature Profile	IXTQ99 KNES	C
Legacy Vertical Moisture Profile	IXTP99 KNES	C

Notes on table, above:

Region codes refer to GOES-16 geographical sectors, where F refers to ABI Full Disk, C refers to ABI CONUS, and M refers to ABI mesoscale (currently, Full Disk and Meso are not applicable and will not be transmitted).

KNES signifies that NOAA/National Environmental Satellite, Data and Information Service (NESDIS) originated the products.

The file format for these products is netCDF4.

Approximate hourly product counts and hourly volumes for the new GOES-16 (GOES-East) Level 2 derived products are as follows:

GOES-16 Product -----	Hourly Count -----	Hourly Volume -----
Legacy Vertical Temp. Profile	2/hour	62 Mbytes/hour
Legacy Vertical Moisture Profile	2/hour	62 Mbytes/hour

Product counts and volumes will 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 2 derived products; however, NWS anticipates the SBN suite of GOES-16 products described here will evolve.

Future SCNs will provide further information on the GOES-16 derived product transitions to operations and on continuing product validation plans.

Additional information about the flow of GOES-16 products on the SBN has been posted at the following website and will be periodically updated:

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:

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Email: brian.gockel@noaa.gov

and

AWIPS Network Control Facility (NCF) Help Desk
NOAA/NWS Office of Central Processing
Silver Spring, MD
Phone: 301-713-9344
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>

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