

NOUS41 KWBC 151305  
PNSWSH

Service Change Notice 17-73  
National Weather Service Headquarters Silver Spring MD  
905 AM EDT Thu Jun 15 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 June 14, 2017

Effective on or after 1500 Coordinated Universal Time (UTC) Wednesday, June 14, 2017, additional Geostationary Orbiting Environmental Satellite (GOES)-16 Level 2 Derived Products will be added to the SBN (also known as NOAAPort). These products are based on the GOES-16 Advanced Baseline Imager (ABI). The SBN feed of these GOES-16 products will be in a pre-operational validation and testing phase through at least November 2017.

NOAA's GOES-16 satellite has not been declared operational and its data are preliminary and undergoing testing. 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, especially during the initial months of this 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.

Refer to Service Change Notice 17-61 which introduced a different set of GOES-16 derived products to the SBN:

[https://www.weather.gov/media/notification/pdfs/scn17-61goes1\\_3.pdf](https://www.weather.gov/media/notification/pdfs/scn17-61goes1_3.pdf)

Those derived products will continue to flow as the new Level 2 derived products described herein are added to the network.

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

GOES-16 Product -----	WMO Header -----	Regions -----
Cloud Optical Depth	IXTY01 KNES	F, C
Cloud Particle Size Distribution	IXTW01 KNES	F, C, M
Derived Motion Winds	IXTU99 KNES	F, C, M

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.

KNES signifies that NOAA/NESDIS originated the products.

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

GOES-16 Product -----	Hourly Count -----	Hourly Volume -----
Cloud Optical Depth	24/hour	144 MBytes/hour
Cloud Particle Size Distribution	136/hour	360 MBytes/hour
Derived Motion Winds	168/hour	400 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. Several of these products are likely to be discontinued after an evaluation period. Other products eventually will be moved to other SBN channels and possibly modified. Additional GOES-16 products are planned for addition to the SBN during July 2017. Future Service Change Notices will describe these changes in advance.

The file format for these products is netCDF4.

GOES-16 remains stationed over its 89.5 degrees west longitude station. From this location, it is undergoing checkout and validation. GOES-16 will be moved to the GOES-East position at 75 degrees west longitude, once it is declared operational in November 2017.

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](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  
Surface and Upper Air Division, Services Branch  
Silver Spring, MD  
Email: [brian.gockel@noaa.gov](mailto: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](mailto: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](mailto:espcoperations@noaa.gov)

National Service Change Notices are online at:

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

NNNN