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PNSWSH

Service Change Notice 20-08 Updated
National Weather Service Headquarters Silver Spring MD
1058 AM EDT Mon Feb 3 2020

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

From: Thomas Cuff
 Director, NWS Office of Observations

Subject: Changes to Satellite Broadcast Network (SBN or NOAAPort) Products
Associated with the End of GOES-15 Tandem Supplemental Operations on March
2, 2020

Updated to:
-Change effective date to March 2, 2020.
-For the Geostationary Operational Environmental Satellite (GOES)
composites (item 3 below), Addition of a list of GOES/ASOS SCP stations
that will be suspended with the GOES-15 transition (item 7 below).

Effective on or after 1600 Coordinated Universal Time (UTC) March 2, 2020,
there will be changes to the suite of GOES products on the SBN. These
changes are associated with the end of GOES-15 tandem supplemental
operations. On or after March 2, 2020, the GOES-15 spacecraft will be
placed in standby and continue to reside at 128 degrees west with the
Imager, Sounder and other instruments in non-operational modes. This
transition involves the deactivation of GOES-15 products detailed in this
bulletin.

GOES-17 and GOES-15 have operated in tandem from their respective locations
of 137.2 degrees west and 128 degrees west. GOES-17 was declared GOES-West
the week of February 11, 2019, as described in Service Change Notice (SCN)
19-04:

https://www.weather.gov/media/notification/scn19-04goes_transition.pdf

With the placement of GOES-15 (the legacy GOES West satellite) in standby
mode on or after March 2, 2020, products will be deactivated from the SBN
(or otherwise modified in the case of composites) as described in the
bullets below.

1. Dissemination of GOES-15 (legacy West Satellite) GOES Ingest NOAAPort
Interface (GINI) format imagery will cease on the SBN's legacy-GOES channel
(PID 102). The affected headers are:

TIGWii KNES - West CONUS Sector, where ii = 01, 02, 04, 05, 06
TIGAi KNES - Alaska Regional Polar Stereo, where ii = 01, 02, 04, 05, 06
TIGBi KNES - Alaska National Polar Stereo, where ii = 01, 02, 05

TIGHii KNES - Hawaii Regional Mercator, where ii = 01, 02, 04, 05, 06
TIGIii KNES - Hawaii National Mercator, where ii = 01, 02 and 05

where ii corresponds to legacy imager channel, between the ii and KNES is a space, and KNES signifies that the National Environmental Satellite Data and Information Service (NESDIS) is the creating data center. The GOES-17 ABI SCMI products, described in SCN 18-106, below, are replacements for these products.

<https://www.weather.gov/media/notification/pdfs/scn18-106goes-17.pdf>

2. Dissemination of the following GOES-15 (legacy West satellite) satellite imagery composites will cease:

TIGNii KNES - Supernational Two-GOES Composites, where ii = 01, 02 and 05
TIGFii KNES - Northern Hemisphere Two-GOES Composites, where ii = 01, 02 and 05 and where ii corresponds to imager channel, between the ii and KNES is a space, and KNES signifies that NESDIS is the creating data center.

3. Inclusion of GOES-15 (legacy West satellite) in the following multi-satellite imagery composites on the NOAAPort_OPT channel (PID 104) ceased at 1700 UTC on January 22, 2020:

TICFii KNES - Multi-satellite Composites, where ii = 01, 03 and 04 and where ii corresponds to imager channel, between the ii and KNES is a space, and KNES signifies that NESDIS is the creating data center. At 1700 UTC, January 22, 2020, this product was updated with GOES-17 data in place of GOES-15 data, and continues to flow on NOAAPort_OPT with the same format and World Meteorological Organization (WMO) headers.

4. Dissemination of GOES-15 (legacy West satellite) visible, infrared, and water vapor sounder imagery will cease on the SBN's legacy-GOES channel. Affected headers include:

TIGWii KNES - West CONUS Sector, where ii = 43, 48, 50, 51, 52, 55, 57, 59
TIGIii KNES - Hawaii National, where ii = 43, 48, 50, 51, 52, 55, 57, 59

where ii corresponds to an offset plus the sounder channel number, between the ii and KNES is a space, and KNES signifies that NESDIS is the creating data center.

5. Dissemination of GOES-15 (legacy West satellite) derived products will cease on the SBN's legacy-GOES channel. Affected headers include:

TIGNii KNES - Supernational sector, where ii=16 (Lifted Index), 17 (Total Precipitable Water), 18 (Skin Temperature), 27 (Cloud Top Height), 28 (Cloud Amount)
TICW40 KNES - GOES-West Low Cloud Base

where between the ii and KNES is a space, and KNES signifies that NESDIS is the creating data center.

6. Dissemination of GOES-15 High-Density Winds will cease on the SBN's NMC/NWSTG channel (PID 101). Potentially affected headers include:

JCCXii KNES
JGCXii KNES
JJCXii KNES
JMCXii KNES
JPCXii KNES
JRCXii KNES

where ii = 21, 31, 41, 51, 61, 71, 81 and 91. GOES-17 winds may be added to the SBN at a later time (if so, an SCN will publicize this in advance).

7. Transmission of GOES-15 derived Automated Surface Observing System (ASOS) Satellite Cloud Products (SCPs) will cease. The following SCP products will cease:

WMO ID	AWIPS ID
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TCUS41 KNES*	SCPCR1
TCUS42 KNES*	SCPSR1
TCUS43 KNES*	SCPWR1
TCUS51 KNES*	SCPCR2
TCUS52 KNES*	SCPSR2
TCUS53 KNES*	SCPWR2
TCUS54 KNES	SCPPR2
TCUS62 KNES*	SCPSR3

Since January 2018, the GOES-15 Imager has provided a subset of ASOS SCP coverage in locations previously generated by GOES-13. Those headers are denoted with asterisks (*) in the listing above. More details on the most recent SBN changes to ASOS SCP can be found in SCN 17-127:

https://www.weather.gov/media/notification/pdfs/scn17-127goes_cloud.pdf

A listing of the ASOS SCP sites that will temporarily lose coverage due to the deactivation of GOES-15 can be found at:

https://www.weather.gov/media/notification/ref/G15_ASOS-station-lists.pdf

The loss of ASOS SCP product coverage will continue until GOES-16 and GOES-17 SCP products reach a level of maturity such that they can once again be disseminated on an operational basis. Future SCNs will describe the GOES-16 and GOES-17 SCP activations.

More details regarding the latest information on the transition from GOES-15 to GOES-17 operations are provided in the Office of Satellite and Product Operations (OSPO) webpage:

<https://www.ospo.noaa.gov/Operations/GOES/16/transition.html>

Critical weather or other factors may delay the phase-out of these products from the SBN. In the event that GOES-14 or GOES-15 is called into

operational service at a later date, imagery and products from those satellites may again be transmitted using these headers.

For questions pertaining to these changes, please contact:

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and

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

For questions regarding the content or distribution of the NOAAPort-disseminated GOES-15 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/>

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