

NOUS41 KWBC 131125
PNSWSH

Service Change Notice 20-92
National Weather Service Headquarters Silver Spring MD
725 AM EDT Tue Oct 13 2020

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

From: Thomas Cuff
 Director, NWS Office of Observations

Subject: Native Unsigned Datatypes in GOES-16 L2 Products on the Satellite Broadcast Network: Effective November 12, 2020

Effective on or after 1600 Coordinated Universal Time (UTC) November 12, 2020, GOES-16 Level 2 (L2) product parameters on the Satellite Broadcast Network (SBN) will employ native unsigned data types, and will remove the "unsigned=true" attribute in the product parameter definition. The following GOES-16 L2 products on the SBN will undergo this change:

Product Name	WMO Header
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Cloud Mask	IXTH99 KNES
Cloud Optical Depth	IXTY01 KNES
Cloud Particle Size	IXTW01 KNES
Cloud Top Height	IXTG99 KNES
Cloud Phase	IXTD99 KNES
Cloud Top Pressure	IXTX01 KNES
Cloud Top Temperature	IXTI99 KNES
Derived Stability Indices	IXTN99 KNES
Fire Detection	IXTJ99 KNES
Land Surface Temperature	IXTK99 KNES
Legacy Vertical Moisture	IXTP99 KNES
Legacy Vertical Temperature	IXTQ99 KNES
Rain Rate	IXTF99 KNES
Sea Surface Temperature	IXTM99 KNES
Total Precipitable Water	IXTO99 KNES

It is anticipated that most software applications that process these products, including the Advanced Weather Interactive Processing System (AWIPS), will accommodate this change without requiring any modification.

These products are further described in the following Service Change Notices (SCNs):

SCN 17-61 (Clear Sky Mask, Cloud Top Phase, Cloud Top Height, Cloud Top Pressure, Cloud Top Temperature, Derived Stability Indices, Total Precipitable Water, Fire Detection, Land Surface Temperature):

https://www.weather.gov/media/notification/pdfs/scn17-61goes1_3.pdf

SCN 17-73 (Cloud Optical Depth, Cloud Particle Size Distribution):
https://www.weather.gov/media/notification/pdfs/scn17-73goesr-1_2.pdf

SCN 17-135 (Sea Surface Temperature, Rain Rate):
https://www.weather.gov/media/notification/pdfs/scn17-135goes16derived_products.pdf

SCN 18-17 (Legacy Vertical Temperature and Moisture Profiles):
https://www.weather.gov/media/notification/pdfs/scn18-17goes16vertical_profiles.pdf

Critical weather or other factors may delay this change.

For questions pertaining to this change or upcoming plans for disseminating products over SBN, please contact:

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and

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

For questions regarding the scientific or technical content of GOES-16 and GOES-17 products, please contact:

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

National Service Change Notices are online at:

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

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