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Service Change Notice 22-37 Updated
National Weather Service Headquarters Silver Spring MD
430 PM EDT Thu Jun 2 2022

To: Subscribers:
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-Emergency Managers Weather Information Network
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From: Michelle Mainelli
Acting Director, NWS Office of Observations

Subject: Updated: Satellite Broadcast Network to Broadcast GOES-18 Imagery: August 1 – September 6, 2022 and October 15 - November 11, 2022

Updated to account for a change in the testing schedule of the GOES-18 ABI imagery, as stated in the fifth paragraph, from June 30 to June 14, 2022.

GOES-18 (previously known as GOES-T), the newest satellite in the Geostationary Operational Environmental Satellite (GOES) series, launched into orbit on March 1, 2022 and is currently undergoing post-launch testing. In early calendar year (CY) 2023, GOES-18 is expected to become the operational GOES-West satellite, replacing the GOES-17 satellite.

Between August 1 and September 6, 2022 (36 days), and again between October 15 and November 11, 2022 (27 days), the NWS Satellite Broadcast Network (SBN) will transmit Sectorized Cloud and Moisture Imagery (SCMI) from the GOES-18 Advanced Baseline Imager (ABI), but not from the GOES-17 (GOES-West) ABI. The above dates are approximate.

Those two time periods correspond to the periods of greatest degradation of the GOES-17 ABI imagery due to its Loop Heat Pipe anomaly.

During those time periods, GOES-18 ABI data obtained through the Satellite Broadcast Network (SBN) should be treated as nominal GOES-West operational data.

For testing purposes, the SBN will also transmit GOES-18 ABI imagery in lieu of GOES-17 ABI imagery for up to four hours on June 14, 2022.

Outside of those time periods, until early CY 2023, the SBN will receive and broadcast ABI imagery from GOES-17 (as it does today), and not from GOES-18.

Until further notice, none of the above will affect GOES-West ABI Level-2 (L2) Derived Products on SBN: they will continue to be from GOES-17 (even when its ABI performance is degraded due to the Loop Heat Pipe anomaly). Selected GOES-18 L2 products may be activated on SBN once they have

reached maturity levels suitable for operations. If so, these would be the subject of later Service Change Notice(s) (SCN(s)).

In early CY 2023, when GOES-18 assumes the operational GOES-West role, its data products will permanently replace those from GOES-17 on the SBN. This transition will be the subject of a later SCN.

GOES-18 ABI imagery will use the "GRW" channel of SBN (Port 1209, PID 107, the same channel used for GOES-17 (West) ABI imagery) and the same World Meteorological Organization (WMO) headers assigned to GOES-17 (West) imagery:

TIR[AHTW]{01..16} KNES or
TIU[A-Z]{01..16} KNES

as detailed in SCN 18-106.

Although the same WMO headers will be used for GOES-17 and GOES-18 ABI imagery, users can still determine the satellite source via the spacecraft ID within the metadata of all products.

Details on the GOES-18 Post-Launch Testing and Transition to Operations are available from the GOES-R Program at:

https://www.goes-r.gov/users/transitionToOperations18.html

Scientific details on these data products are available from the GOES-R Program at https://www.goes-r.gov/resources/docs.html.

Critical weather or other factors may delay these changes on the SBN.

For questions pertaining to these changes, please contact:

NOAA/NWS Office of Observations
Silver Spring, MD
Email: nws-obs-satellites@noaa.gov

or

AWIPS Network Control Facility (NCF) Help Desk
NOAA/NWS Office of Central Processing
Silver Spring, MD
Phone: 888-808-8624

For questions regarding the content or distribution of the products listed here, please contact:

Joseph Fiore
GOES-R User Services Coordinator
Greenbelt, MD
Email: joseph.fiore@noaa.gov

National Service Change Notices are online at:

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

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