

NOUS41 KWBC 041205  
PNSWSH

Service Change Notice 17-127  
National Weather Service Headquarters Silver Spring, MD  
805 AM EST Mon Dec 4 2017

To:           Subscribers:  
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From:         Joseph Pica  
              Director, NWS Office of Observations

Subject:      Changes to GOES/ASOS Cloud Product on Satellite  
              Broadcast Network (SBN or NOAAPort) Effective  
              January 2, 2018

Effective on or after 15 UTC Tuesday, January 2, 2018, there will be changes to the Geostationary Operational Environmental Satellite (GOES) Automated Surface Observing System (ASOS) Satellite Cloud Product (SCP) on the SBN.

The changes are associated with the replacement of GOES-13 with GOES-16 as GOES East on or about December 18, 2017, and the subsequent transition of GOES-13 to storage mode beginning on or after January 2, 2018. As described below, SCP coverage for some GOES East stations will temporarily cease and the basis of the SCP products for other GOES East stations will change.

The GOES-ASOS SCP product is ideally produced from GOES Sounder data but it can also be produced from GOES imager data. Since the GOES-13 sounder degraded in 2015, the GOES East SCP product has been based on GOES-13 imager data. The GOES-15 (GOES West) sounder continues to function normally and the GOES West SCP continues to be produced from GOES West sounder data.

GOES-13 product flows will be disabled on or about January 2, 2018; however, the GOES-16 replacement product for the SCP will not reach maturity for operational use before June 2018. Therefore, when the GOES-13 SCP ceases dissemination, the GOES

ASOS cloud product for the East stations will change in two ways:

1. Data from the GOES-15 (West) imager will be used to generate the SCP product for GOES East stations, but only for stations that are adequately covered by the GOES-15 imager. This substitution of GOES-15 imager data, as a basis for the GOES East stations, will be possible only in the western areas of the GOES East coverage.
2. For GOES East stations outside the area where the GOES-15 (West) imager can provide the SCP, dissemination of the SCP will cease on or about January 2, 2018. This loss of SCP coverage will continue until the GOES-16 SCP reaches a level of maturity such that it can disseminate on an operational basis.

The SCP headers, AWIPS IDs, and expected impacts are as follows:

| WMO ID      | AWIPS ID | REGION             | IMPACT CODE |
|-------------|----------|--------------------|-------------|
| TCUS40 KNES | SCPER1   | Eastern Region #1  | 1           |
| TCUS41 KNES | SCPCR1   | Central Region #1  | 2           |
| TCUS42 KNES | SCPSR1   | Southern Region #1 | 3           |
| TCUS43 KNES | SCPWR1   | Western Region #1  | 4           |
| TCUS51 KNES | SCPCR2   | Central Region #2  | 5           |
| TCUS52 KNES | SCPSR2   | Southern Region #2 | 6           |
| TCUS53 KNES | SCPWR2   | Western Region #2  | 4           |
| TCUS62 KNES | SCPSR3   | Southern Region #3 | 1           |

The Impact Codes, above, refer to product coverage between the cessation of GOES-13 SCP distribution (approximately January 2, 2018) and the activation of the GOES-16 SCP (no sooner than June 2018), as follows:

1. Most or all SCP suspended.
2. Some SCP suspended; SCP for numerous stations provided by GOES-15 imager data.
3. SCP suspended for numerous eastern stations; SCP for some western stations provided by GOES-15 imager data.
4. No data suspended and no change to data during transition. GOES-15 sounder data will continue to be used throughout.
5. No data suspended. SCPs for most stations continue to be provided by GOES-15 sounder data; SCP for remaining eastern stations to be provided by GOES-15 imager data.

6. Little or no data loss. SCPs for western stations continue to be provided by GOES-15 sounder data; SCP for remaining eastern stations to be provided by GOES-15 imager data.

Refer to the following supplement for further information about the geographical coverage of the SCPs and the specific SCP stations affected by this change.

[http://www.nws.noaa.gov/om/pns/goes\\_asos\\_scpl7.docx](http://www.nws.noaa.gov/om/pns/goes_asos_scpl7.docx)

For questions pertaining to this change or plans for other NOAA/NWS product changes associated with the upcoming GOES East transition, please contact:

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and

AWIPS Network Control Facility (NCF) Help Desk  
NOAA/NWS Office of Central Processing  
Silver Spring, MD 20910  
Email: [nws.ncf.supervisors@noaa.gov](mailto:nws.ncf.supervisors@noaa.gov)

For questions regarding the scientific or technical content of the NOAA/NWS-disseminated GOES-16 products please contact:

Environmental Satellite Processing Center (ESPC) Help Desk  
Suitland, Maryland 20746  
Phone: 301-817-3880  
Email: [ESPCOperations@noaa.gov](mailto:ESPCOperations@noaa.gov)

National Service Change Notices are online at:

<http://www.weather.gov/os/notif.htm>

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