

NOUS41 KWBC 301650
PNSWSH

Service Change Notice 21-79
National Weather Service Headquarters Silver Spring MD
1250 PM EDT Mon Aug 30 2021

To: Subscribers:
 -NOAA Weather Wire Service
 -Emergency Managers Weather Information Network
 -NOAAPort
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From: Thomas Cuff
 Director, NWS Office of Observations

Subject: GOES-West ABI Level-2 Products to be Added to the Satellite
Broadcast Network on or after September 30, 2021

Effective on or after Sept. 30, 2021, the following Level-2 Derived
Products from the GOES-West Advanced Baseline Imager (ABI) will be added
to the Satellite Broadcast Network (SBN) Experimental channel (PID 106):

| WMO ID | Product Name | ABI Sectors (see Note) | Approx. GB/day |
|-------------|----------------------------------|---------------------------|-------------------|
| IXTA89 KNES | Aerosol Detection | F, C, M | 1.05 |
| IXTB89 KNES | Aerosol Optical Depth | F, C | 1.48 |
| IXTD89 KNES | Cloud Top Phase | F, C, M | 0.94 |
| IXTF89 KNES | Rain Rate / Quant. Precip. Est. | F | 0.20 |
| IXTG89 KNES | Cloud Top Height | F, C, M | 17.15 |
| IXTH89 KNES | Clear Sky Mask | F, C, M | 1.40 |
| IXTI89 KNES | Cloud Top Temperature | F, M | 4.60 |
| IXTJ89 KNES | Fire Hotspots | F, C | 0.64 |
| IXTK89 KNES | Land Surface Temperature | F, C, M | 0.32 |
| IXTM89 KNES | Sea Surface Temperature | F | 0.69 |
| IXTN89 KNES | Derived Stability Indices | F, C, M | 1.41 |
| IXTQ89 KNES | Total Precipitable Water | F, C, M | 0.50 |
| IXTP89 KNES | Legacy Vert. Moisture Profile | C | 2.82 |
| IXTQ89 KNES | Legacy Vert. Temp. Profile | C | 2.82 |
| IXTU89 KNES | Derived Motion Winds | M | 0.87 |
| IXTW81 KNES | Cloud Particle Size Distribution | F, C, M | 4.57 |
| IXTX81 KNES | Cloud Top Pressure | F, C | 7.00 |
| IXTY81 KNES | Cloud Optical Depth | F, C | 4.69 |

Note:

F = Full Disk -- 6 files/hour except Land Surface Temperature and Sea
Surface Temperature: 1 file/hour

C = West CONUS (PACUS) sector -- 12 files/hour except Aerosol Detection:
6 files/hour; Land Surface Temperature: 1 file/hour; and Legacy Vertical
Temperature and Moisture Profiles: 2 files/hour

M = GOES-West Mesoscale -- 2 sectors: each 60 files/hour except Aerosol Detection: 12 files/hour; Land Surface Temperature: 1 file/hour; and Derived Motion Winds: 12x6 = 72 files/hour (for 6 channels).

(These products will join two GOES-West Level-2 Derived Products already on the SBN:

- Fire Hotspots for the GOES-West Meso sectors [[SCN21-74](#)]; and
- Derived Motion Winds for the West CONUS / PACUS sector [[SCN20-22](#)].)

These products are GOES-West counterparts of the GOES-East Level-2 Derived Products described in the following Service Change Notices (SCNs):

- [SCN17-61](#) (Aerosol Detection, Aerosol Optical Depth, 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);
- [SCN17-73](#) (Cloud Optical Depth, Cloud Particle Size Distribution, Derived Motion Winds);
- [SCN17-135](#) (Sea Surface Temperature, Rain Rate); and
- [SCN18-17](#) (Legacy Vertical Temperature & Moisture Profiles).

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 the activation of these products on the SBN.

For questions pertaining to these changes, please contact:

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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:

Environmental Satellite Processing Center (ESPC) Help Desk
Suitland, MD
Phone: 301-817-3880
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National Service Change Notices are online at:

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

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