

NOUS41 KWBC 091720 AAA
PNSWSH

Service Change Notice 21-74 Updated
National Weather Service Headquarters Silver Spring MD
120 PM EDT Tue Aug 10 2021

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

From: Thomas Cuff
 Director, NWS Office of Observations

Subject: Updated: GOES-East and GOES-West Fire Hotspots for Mesoscale
 Sectors to be Added to the Satellite Broadcast Network (SBN) on
 or After September 8, 2021

Updated to include current contact information for AWIPS Network Control
Facility (NCF) Help Desk.

Effective on or after September 8, 2021, the Geostationary Operational
Environmental Satellite (GOES-R) derived Fire Hotspots Data Product, for
the GOES-East and GOES-West mesoscale sectors, will be added to the
Satellite Broadcast Network (SBN). This will show the location and
intensity of fires or likely fires every minute for each of these sectors.

The WMO header, hourly product count, and data rate for the GOES-R MESO
Fire Hotspots are as follows:

WMO ID	ABI Sector	Hourly Count	Hourly Volume
IXTJ99	KNES GOES-East Meso	2x60 files/hr	17 MBytes/hour
IXTJ89	KNES GOES-West Meso	2x60 files/hr	17 MBytes/hour

(The WMO IDs are the same as those for the CONUS and Full Disk sectors.)

For each pixel, the following information will be accessible to AWIPS
users:

Field Name	Units / Semantics
Fire Area	square meters (if Fire Mask = 10 or 30)
Fire Power	MegaWatts (if Fire Mask = 10, 13, 14, 30, 33, or 34)
Fire Temperature	Kelvin (if Fire Mask = 10 or 30)
Fire Mask	(see below)

The Fire Mask field has the following (partial) semantics:

Value	Meaning
0	unprocessed

10 good
11 saturated
12 cloud contaminated
13 high probability
14 medium probability
15 low probability
30 temporally filtered good
31 temporally filtered saturated
32 temporally filtered cloud contaminated
33 temporally filtered high probability
34 temporally filtered medium probability
35 temporally filtered low probability
40 off earth

The GOES-R ABI Fire Hot Spot Characterization Algorithm Theoretical Basis Document, available from <https://www.goes-r.gov/resources/docs.html>, provides further details about this data product (including the full list of Fire Mask codes in Table 3.11).

The GOES-R Fire Hotspots data product will go on the SBN Experimental (EXP) channel (PID 106).

Critical weather or other factors may delay the activation of this product on the SBN.

For questions pertaining to these changes, please contact:

Brian Gockel
NOAA/NWS Office of Observations
Silver Spring, MD
Email: Brian.Gockel@noaa.gov

and

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 SBN-disseminated GOES-R Meso Fire Hotspot product, please contact:

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

National Service Change Notices are online at:

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

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