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PNSWSH

Service Change Notice 24-100
National Weather Service Headquarters Silver Spring MD
230 PM EDT Mon Oct 21 2024

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

From: Timothy Greten, Director
 NWS Office of Central Processing

Subject: Change to NOAAPort / Satellite Broadcast Network (SBN) Channel
Alignment: Effective December 9, 2024

The NWS has studied the existing NOAAPort/SBN/NWWS channel alignment, bandwidth usage, prioritization, and delay times. This study identified that reorganizing the data on the various channels will improve the timeliness of distributed products.

The first change recently implemented was to move gridded binary (GRIB), GRIB two (GRIB2), and Binary Universal Form for the Representation (BUFR) formatted data from the NMC channel to the NMC2 channel. Refer to Service Change Notice (SCN) 24-54:
https://www.weather.gov/media/notification/pdf/2023_24/scn24-54_channel_realignment_to_SBN_aaf.pdf for more details about this change.

The space freed on the NMC channel provided by the first change allows the next change to occur, adding Canadian Radar data to the SBN. (Channel: NMC | Priority: 0 | Bandwidth: 20 | Port: 1201 | PID: 101). However, only the following 23 of 31 available radars will be added to minimize SBN impact, and reflect those adjacent to the United States:

World Meteorological Organization (WMO) header: SDCN01 CWA0

CASSS - Silver Star Mountain, British Columbia (BC)
CASAG - Aldergrove, BC
CASSM - Strathmore, Alberta (AB)
CASSU - Schuler, AB
CASBE - Bethune, Saskatchewan (SK)
CASFW - Foxwarren, Manitoba (MB)
CASWL - Woodlands, MB
CASDR - Dryden, Ontario (ON)
CASMR - Montreal River Harbour, ON
CASET - Exeter, ON
CASBI - Britt, ON
CASKR - King City, ON
CASFT - Franktown, ON
CASNE - Thunder Bay ON
CASBV - Blainville, Quebec (QC)

CASSF - Ste-Francoise, QC
CASMA - Mt Apica, QC
CASVD - Val d'Ireene, QC
CASCN - Chipman, New Brunswick (NB)
CASGO - Gore, Nova Scotia (NS)

Additionally, more WMO Headers containing model data, related to phase 1, were discovered and need to move. (Channel: NMC | Priority: 0 | Bandwidth: 20 | Port: 1201 | PID: 101) to (Channel: NMC2 | Priority: 5 | Bandwidth: 30 | Port: 1203 | PID: 103):

^(MZ....)^(LZ....): NAM Nested Model data
^(HC....)^(HO....)^(HP....)^(HU....)^(HV....): SSI GFS model

This data is expected to move on or about 1200 Coordinated Universal Time (UTC) December 9, 2024. If a Critical Weather Day has been issued, this change will be postponed to 1200 UTC on the next non-Critical Weather Day for the following dates: December 10, 16 and 17, 2024.

No change is expected to the data feed at the receiver. If no issues are experienced, the configuration will remain in place. If any issues are identified, the changes will be evaluated, and a new implementation date will be determined.

We encourage all NOAAPort/SBN/NWWS users to closely monitor this SCN during the transition period for updated information. If you have any questions or concerns, please contact the focal points below:

Paul Kirkwood
NOAA/NWS Southern Region Headquarters
Email: paul.kirkwood@noaa.gov

Andy Just
NOAA/NWS Office of Central Processing
Email: andy.just@noaa.gov

James Glenn
NOAA/NWS Office of Central Processing
Email: james.glenn@noaa.gov

National Service Change Notices are online at:

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

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