

NOUS41 KWBC 261815
PNSWSH

Service Change Notice 19-52
National Weather Service Headquarters Silver Spring MD
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From: Thomas J. Cuff
 Director, NWS Office of Observations

Subject: Replace S-NPP NUCAPS Soundings with NOAA-20 NUCAPS Soundings on
Satellite Broadcast Network (SBN) on July 2, 2019

On or after 1600 Coordinated Universal Time (UTC) on Tuesday, July 2,
2019, NOAA Unique CrIS-ATMS Processing System (NUCAPS) soundings from the
NOAA-20 satellite will be added to the SBN. These NOAA-20 soundings will
effectively replace the Suomi National Polar-Orbiting Partnership (S-NPP)
NUCAPS soundings. The S-NPP SBN dissemination was unexpectedly suspended
following an S-NPP instrument anomaly on March 26, 2019. NWS does not
plan to reactivate the S-NPP NUCAPS soundings on the SBN.

The World Meteorological Organization (WMO) headers for the NOAA-20
NUCAPS products being added are:

IUTN11 KNES - 35S <= latitude < 37N,
 35W <= longitude <= 90W
IUTN12 KNES - 37N <= latitude <= 75N,
 35W <= longitude <= 90W
IUTN13 KNES - 35S <= latitude < 37N,
 90W < longitude <= 109W
IUTN14 KNES - 37N <= latitude <= 75N,
 90W < longitude <= 109W
IUTN15 KNES - 35S <= latitude < 42N,
 109W < longitude <= 140W
IUTN16 KNES - 42N <= latitude <= 75N,
 109W < longitude <= 128W, and
 42N <= latitude < 52N,
 128W < longitude <= 140W
IUTN17 KNES - 35S <= latitude < 50N,
 140W < longitude <= 180
IUTN18 KNES - 35S <= latitude < 50N,
 180 < longitude <= 130E
IUTN19 KNES - 52N <= latitude <= 75N,
 128W < longitude <= 140W, and
 50N <= latitude <= 75N,
 140W < longitude <= 130E

(There are two geographical boxes for areas 6 and 9.)

The WMO headers and geographical regions for the S-NPP NUCAPS products being removed are as follows:

IUTN01 KNES - 35S <= latitude < 37N,
35W <= longitude <= 90W
IUTN02 KNES - 37N <= latitude <= 75N,
35W <= longitude <= 90W
IUTN03 KNES - 35S <= latitude < 37N,
90W < longitude <= 109W
IUTN04 KNES - 37N <= latitude <= 75N,
90W < longitude <= 109W
IUTN05 KNES - 35S <= latitude < 42N,
109W < longitude <= 140W
IUTN06 KNES - 42N <= latitude <= 75N,
109W < longitude <= 128W, and
42N <= latitude < 52N,
128W < longitude <= 140W
IUTN07 KNES - 35S <= latitude < 50N,
140W < longitude <= 180
IUTN08 KNES - 35S <= latitude < 50N,
180 < longitude <= 130E
IUTN09 KNES - 52N <= latitude <= 75N,
128W < longitude <= 140W, and
50N <= latitude <= 75N,
140W < longitude <= 130E

(There are two geographical boxes for areas 6 and 9.)

The SBN's NWSTG/NMC channel (PID 101) is used to transmit the NUCAPS soundings.

For questions pertaining to this transition, please contact:

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and

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National Service Change Notices are online at:

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

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