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PNSWSH

Service Change Notice 19-52  
National Weather Service Headquarters Silver Spring MD  
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To:           Subscribers:  
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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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