

NOUS41 KWBC 221940  
PNSWSH

Service Change Notice 19-45  
National Weather Service Headquarters, Silver Spring MD  
335 PM EDT Wed May 22 2019

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

From:       Terrance J. Clark  
              Director, WSR-88D Radar Operations Center

Subject: NOAA Profiler Network (NPN) Data Available on or  
around July 15, 2019

Data from the NOAA Profiler Network (NPN) will be made available  
on or around July 15, 2019. The NPN consists of three 449 MHz  
wind profiling radars operating in Alaska and a testbed in  
Norman, OK. Specifically, the sites are:

TLKA2 (Talkeetna, AK)  
HWP2 (Homer, AK)  
AWPA2 (Anchorage, AK)  
ROCO2 (Norman, OK)

NPN radars primarily report wind speed and direction at  
132 heights, ranging from approximately 170 meters above ground  
level (AGL) up to a maximum of 16.2 kilometers. Two data types  
are available:

- 1) A 30 minute average, updated every six minutes.
- 2) A 60 minute average, updated once per hour.

The data will be available in self-describing BUFR format via  
the National Level II (NL2) network, and also as images viewable  
by the public through the NPN website at  
[www.weather.gov/npn](http://www.weather.gov/npn)

An Interface Control Document (ICD) describing the data format  
and a sample of the data will be available at the Radar  
Operations Center website prior to the data being released.  
<https://www.roc.noaa.gov/WSR88D/Engineering/WindProfiler/WindProfiler.aspx>

The naming convention is as follows:

Six-minute file: ICAO-YYYYMMDDhhmmss.npn.6minwind.bufr  
Hourly file: ICAO-YYYYMMDDhhmmss.npn.hrlywind.bufr

Where:

ICAO is each site's upper-case ID (e.g., AWPA2, HWP2, etc)  
YYYY is the four-digit year;  
MM is the two-digit month;  
DD is the two-digit day of the month;  
hh is the two-digit UTC hour;  
mm is the two-digit minute;  
ss is the two-digit second, which is always 00

For questions or comments, please contact:

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National Service Change Notices are online at:  
<https://www.weather.gov/notification/>

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