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PNSWSH

Service Change Notice 19-97
National Weather Service Headquarters, Silver Spring MD
1050 AM EST Fri Nov 22 2019

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

Subject: RDA/RPG Build 19.0 to Begin Beta Test on or around April 15,
2020

The NWS Radar Operations Center will begin a Beta test of Radar Data Acquisition (RDA)/Radar Product Generator (RPG) Build 19.0 on or around April 15, 2020. Beta test sites will be determined at a later date. Full deployment is expected on or around June 30, 2020.

Changes pertinent to external users are as follows:

1) Baseline of Supplemental Low Elevation Angles

KMAX -0.2 Medford, OR
KGJT -0.2 Grand Junction, CO
KFSX -0.2 Flagstaff, AZ
KMSX -0.2 Missoula, MT
KMTX 0.0 Salt Lake City, UT
KRGX 0.0 Reno, NV
KDLH +0.2 Duluth, MN
KCLX +0.3 Charleston, SC
KCLE +0.4 Cleveland, OH

2) Product 171/STA Dual Pol Storm Total Accumulation (16 data level) will be removed. The alphanumeric data from this product will be moved to Product 172/DSA Dual Pol Digital Storm Total Accumulation (256 data level).

The Public Information Statement proposing this change was issued in December 2018:

https://www.weather.gov/media/notification/pdfs/pns18-35wsr_88d_p171termination.pdf

No public comments objecting to the change were received.

3) Volume Coverage Pattern (VCP) 121 will be removed and replaced with VCP 112. Details of VCP 112 are available at:

<https://www.roc.noaa.gov/WSR88D/NewRadarTechnology/NewTechDefault.aspx>

4) Addition of a new field to the Archive Level II radial data stream containing the amount of clutter power removed. In association with this change, Product 34/CFC Clutter Filter Control will be removed and replaced with elevation-based Product 113/PRC Power Removed Control. More details are available in the draft Interface Control Documents.

5) The Level II Differential Reflectivity (ZDR) scale will be expanded to a range of -13 dB to +20 dB.

Draft RDA/RPG Build 19.0 Interface Control Documents (ICDs) are available at:

<https://www.roc.noaa.gov/WSR88D/NewRadarTechnology/NewTechDefault.aspx>

Please direct questions to:

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National Service Change Notices are online at:

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

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