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Service Change Notice 24-72
National Weather Service Headquarters Silver Spring MD
1010 AM EDT Mon Jul 8 2024

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

Subject: Weather Surveillance Radar-1988 Doppler (WSR-88D) RDA/RPG Build 23.0 Beta Test to Begin the Week of August 18, 2024

Beginning the week of August 18, 2024, the Radar Operations Center (ROC) will start the Build 23.0 Beta Test for the Radar Data Acquisition (RDA) and Radar Product Generator (RPG). RDA/RPG Build 23.0 will be installed at five WSR-88D sites according to the following tentative schedule:

KCCX - State College, PA: Week of August 18, 2024
PAHG - Kenai, AK: Week of August 25, 2024
KRGX - Reno, NV: Week of September 8, 2024
KEVX - Eglin Air Force Base (AFB), FL: Week of September 15, 2024
KOAX - Omaha, NE: Week of September 15, 2024

Deployment of RDA/RPG Build 23.0 is scheduled to begin in late November 2024. Highlights of Build 23.0 include:

- New supplemental low elevation angle for:
KDOX - Dover, DE: +0.3 degree
KEVX - Eglin AFB, FL: +0.3 degree

- New Long Pulse Volume Coverage Pattern (VCP) 34. With VCP 34, radar operators may implement one Supplemental Adaptive Intra-Volume Low-Level Scan (SAILS) to provide more frequent low-level updates. Additional information on VCP 34 is available on the New Radar Technology page on the ROC website (until July 24, 2024):

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

and on the Radar Techniques page (after July 24, 2024):

<https://www.roc.noaa.gov/radar-techniques.php>

- Multi-PRF Dealiasing Algorithm (MPDA) option for VCPs 212 and 215. Radar operators will have the ability to use MPDA on the lowest one or two elevations for VCPs 212 and 215 to improve velocity data.

Draft Interface Control Documents (ICDs) are located at the following location (until July 24, 2024):

<https://www.roc.noaa.gov/WSR88D/BuildInfo/Files.aspx>

and at:

<https://www.roc.noaa.gov/interface-control-documents.php> (after July 24, 2024)

If you have questions, please contact:

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National Service Change Notices are online at:

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

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