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Service Change Notice 22-111
National Weather Service Headquarters Silver Spring MD
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To: Subscribers
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 -Emergency Managers Weather Information Network
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From: Terrance J. Clark
 Director, WSR-88D Radar Operations Center

Subject: Change to NEXRAD Level III Product Dissemination on or around
February 21, 2023

On or around February 21, 2023, the National Weather Service will begin dissemination of the WSR-88D Rain Rate Classification (RRC) product via NOAAport Satellite Broadcast Network (SBN) and Radar Product Central Collection Dissemination Service (RPCCCDS). The RRC product is a new WSR-88D product in Build 21.0; however, dissemination will begin after Advanced Weather Interactive Processing System (AWIPS) Release 23.2.1 is installed at NWS Weather Forecast Offices (WFOs), starting with the AWIPS beta test in February 2023 and continuing through the deployment of AWIPS 23.2.1 starting in April 2023.

Information about the RRC product and a sample product is available at:

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

and

<https://www.roc.noaa.gov/WSR88D/rrc-product/rrc.zip>

The first link provides access to a RRC Product Information slide deck and the draft Build 21 Interface Control Documents (ICD) describing the content and format of the RRC product. The second link will download a zip file containing a binary product and an image of the AWIPS display of that product.

The World Meteorological Organization (WMO) product heading is in Table 1 and RPCCCDS FTP directory name is in Table 2 below:

Table 1: WMO Headings Assigned to New Radar Product

TTUSII CCCC NNNXXX Product Code, Description

SDUS8i cccc NRRxxx 197, Hybrid Scan Rain Rate Classification/RRC

Where cccc is the NWS sending site ID, and xxx is the last three characters of the WSR-88D site ID. For example, cccc is KLWX, KOUN, PAFG,

for xxx LWX, TLX, AEC, respectively.

TABLE 2: RPCCDS File Transfer Protocol (FTP) Directories for the New Level 3 Product

Directory	Product Code, Description
/DS.197rr/	197, Hybrid Scan Rain Rate Classification /RRC

See [Service Change Notice 22-87](#) for additional information on WSR-88D Build 21.0.

RPCCDS Radar Level-III products are available via TGFTP, and from the National Centers for Environmental Information (NCEI) archives:

<https://www.weather.gov/tg/rpccds>
<https://tgftp.nws.noaa.gov/SL.us008001/DF.of/DC.radar/>
<https://www.ncei.noaa.gov/products/radar>

The current NOAAPort/SBN and RPCCDS product suites are posted at:

https://www.weather.gov/media/tg/noaaport_radar_products.pdf
https://www.weather.gov/media/tg/rpccds_radar_products.pdf

Please direct comments or report impacts from this change to:

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National Service Change Notices are online at:

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

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