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PNSWSH

Public Information Statement 20-42
National Weather Service Headquarters Silver Spring MD
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To: Subscribers:
            -NOAA Weather Wire Service
            -Emergency Managers Weather Information Network
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From: Jason Levit, Chief
            Verification, Post-Processing, Product Generation Branch
            NCEP/Environmental Modeling Center

Subject: Soliciting Public Comments on the Removal of Certain gaugeQC
Products through July 8, 2020

The National Centers for Environmental Prediction (NCEP) is soliciting
comments on the removal of certain gauge QC products.

The following products will be removed from NCEP Web Services, including
the NOAA Operational Model Archive and Distribution System (NOMADS) and
File Transfer Protocol (FTP):

For FTP and NOMADS, the following 'gaugeqc' directories and their
contents will be removed:

ftp://ftp.ncep.noaa.gov/pub/data1/nccf/com/hourly/prod/gaugeqc/
https://nomads.ncep.noaa.gov/pub/data1/nccf/com/hourly/prod/gaugeqc/

The 'gaugeqc' directory in the above ftp and nomads sites contain four
files, created each day around 0406 Coordinated Universal Time (UTC):

current.eval: gauges flagged as questionable
current.evalH: hourly gauges flagged as questionable
(a subset of current.eval, with latitude (lat)/longitude (lon)
information added)
current.good: gauges passed quality control check
current.goodH: hourly gauges passed quality control check (a subset of
current.good, with lat/lon information added).

Explanations above the QC flags in the above good/eval[H] gauge listings:

https://drive.google.com/file/d/12U4R08S7B6icgeXiUOOsVion2EXToHKC/view?us
p=sharing

The gaugeQC program was developed by ESRL with Environmental Modeling
Center (EMC) (https://ams.confex.com/ams/pdfpapers/95173.pdf) in the mid
2000's and used by the NCEP Stage II Quantitative Precipitation Estimate
(QPE) analysis (at the time the sole source for pcpRTMA) to screen out
questionable hourly gauges. With Real Time Mesoscale Analysis

(RTMA)/UnRestricted Mesoscale Analysis (URMA) v2.8, scheduled to be implemented in late June 2020, pcpRTMA begins using Multi Radar-Multi Sensor (MRMS) QPE as its source, and the Stage II analysis is discontinued (MRMS QPE has fully matured and can replace the Stage II). With the decommission of the Stage II, the gaugeQC program is no longer needed, and since by now its function is subsumed by the MADIS and MRMS' gaugeQC function, we propose to discontinue this gaugeQC program.

NWS will collect comments on this proposed product removal for 30 days. If approved, a Service Change Notice will be issued giving 30 days' notice of the termination date.

Send comments on this proposal to:

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For questions on the data flow aspects, please contact:

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National Public Information Statements are online at:

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

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