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Service Change Notice 19-62 Updated
National Weather Service Headquarters Silver Spring MD
1255 PM EDT Mon Aug 26 2019

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

From: Ben Kyger
 Director
 NCEP Central Operations

Subject: Updated: Upgrade of the MADIS Distribution Services
 Effective date Sept 4, 2019

Updated to change the effective date from August 26, 2019, to September 4, 2019. This delay is due to a technical issue with a data provider that needs to be resolved and the expectation of Critical Weather Declaration due to Tropical Storm Dorian.

Effective on or about September 4, 2019, beginning at 1600 Coordinated Universal Time (UTC), the National Centers for Environmental Prediction (NCEP) Central Operations (NCO), in coordination with NOAA Earth System Research Laboratory (ESRL) Global Systems Division (GSD), will upgrade the Meteorological Assimilation Data Ingest System (MADIS) system to version 2.2.

Major component changes include:

(1) New Providers

- National Mesonet, and Integrated Ocean Observing System (IOOS):

 Washington State University Ag Met (WSAgMet)
 Colorado State University Ag Weather (CoAgMet)
 Kentucky Mesonet (KYMN2)
 University of Delaware (DEOS2)
 South Dakota Mesonet (SDSMeso)
 Iowa Environmental Mesonet (IEM)
 University of Alabama Huntsville (CRN2-Al)
 Coastal Carolina (CC-ECONet)
 North Dakota Agricultural Weather Network (NDAWN)
 Pennsylvania State University
 Delaware Environmental Observing System
 Florida Dept. of Environmental Protection

- Road Weather Information Systems (RWIS):
 Illinois Department of Transportation (ILLDOT) (McHenry County)

Arizona Department of Transportation (AZDOT)
Delaware Department of Transportation (DEDOT2)
California Department of Transportation (CADOT)
Montana Department of Transportation (MTDOT)
New York Department of Transportation (NYDOT)
Oregon Department of Transportation (ORDOT)
South Carolina Department of Transportation (SCDOT)
South Dakota Department of Transportation (SDDOT)
Pennsylvania Department of Transportation (PADOT)

- Hydrometeorological Automated Data System (HADS) Automated Flood Warning System (AFWS):
 - Fort Collins, CO (FORTC)
 - Calcasieu, LA (CALCA)
 - City of Salem, OR (SALEM)
 - City of Richmond, VA (RICHM)
 - Tulsa (TULSA)
 - Snohomish, WA (SNOHO)
 - Hays County, TX (HAYSC)
 - Harris County Flood Control District, TX (HCFCD)

(2) Snow Telemetry (SNOTEL) Soil Climate Analysis Network (SCAN) Changes

- Corrected the hourly Standard Hydrometeorological Exchange Format (SHEF) variable names. The hourly minimum and maximum air temperatures are currently incorrectly coded with TAIRMX and TAIRMN. The new version codes them correctly as TAIRMF and TAIRMD.
- Only disseminate new or changes messages across NOAAPORT, thus reducing duplications

(3) Aircraft Meteorological Data Relay (AMDAR) Dissemination Changes

- Migrate the Website URLs from GSD to NCEP
From -> <https://amdar.noaa.gov/>To -> <https://amdar.ncep.noaa.gov>

(4) Road Weather Information System (RWIS) Changes

- Added the Clarus quality control to RWIS data sets and the ability to view the QC.

MADIS is available on both the NCEP Web Services here:

<https://madis-data.ncep.noaa.gov/>
<https://madis.ncep.noaa.gov/>
<https://hads.ncep.noaa.gov>
<ftp://madis-data.ncep.noaa.gov/>

Users can find output from the updated MADIS data available through a parallel feed:

<https://hadsqa.ncep.noaa.gov>
<https://madisqa-data.ncep.noaa.gov>

<https://madisqa.ncep.noaa.gov>
<https://amdarqa.ncep.noaa.gov>

NCEP will evaluate any comments and decide whether to proceed.
For questions regarding these updated predictions, please contact:

If you have any questions or concerns about the data or
services, please contact:

MADIS Support Team
NCEP Central Operations
madis-support@noaa.gov

or

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NCEP Central Operations Implementation and Data Services
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NWS Service Change Notices are online at:
<https://www.weather.gov/notification/>

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