

NOUS41 KWBC 032102
PNSWSH

Public Information Notice
National Weather Service Headquarters Washington DC
402 PM EST Fri Dec 3, 2010

TO: Subscribers:
 -Family of Services
 -NOAA Weather Wire Service
 -Emergency Managers Weather Information Network
 -NOAAPORT
 Other NWS Partners and Employees

From: Kevin Schrab
 Chief, Observing Services Division
 Office of Climate Water and Weather Services

Subject: Transition of MADIS Real-Time Processing to NWS
 Operations

Effective November 2, 2010, the NWS Meteorological Assimilation Data Ingest System (MADIS) real time processing became operational.

MADIS is a distributed information technology system that ingests environmental data from government and non-government observation collection systems. MADIS then performs static and dynamic quality control on the data, converts the data sets into common formats, and makes them available to the user community enterprise through multiple data transfer protocols via the Internet.

MADIS leverages partnerships with international agencies; federal, state, and local agencies (e.g. state Departments of Transportation); universities; volunteer networks; and the private sector (e.g. airlines, railroads), to integrate observations from their stations with those of NOAA to provide a finer density, higher frequency observational database for use by the greater meteorological community. MADIS observational products and services were first developed at NOAA Research by the Global Systems Division (GSD) of the Earth System Research Laboratory (ESRL).

The NWS MADIS system consists of a distributed architecture consisting of ingest and distribution services at the Telecommunications Operations Center (TOC) with processing performed at the National Centers for Environmental Prediction (NCEP) Central Operations NCO). MADIS will continue to run quasi-operationally in a research test environment at ESRL/GSD, where new advances will be developed and tested prior to being put into operations. The ESRL/GSD system also has an archive of real-time data, and serves as the backup to the operational

system.

For more information on MADIS, or to become a MADIS data user, see <http://madis.noaa.gov>.

Existing MADIS data users have been sent an email describing how to access the NWS MADIS system. MADIS users should switch to the NWS MADIS system by January 31, 2011.

If you have questions or feedback, please contact:

Madis-support@noaa.gov

National Public Information Notices are online at:

<http://www.weather.gov/os/notif.htm>

\$\$
NNNN