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Public Information Statement
National Weather Service Headquarters Washington DC
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From:      Kevin Schrab
           Chief, Observing Services Division
           Office of Climate, Water and Weather Services
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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 Statements are online at:

https://www.weather.gov/notifications/archive

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