

NOUS41 KWBC 191450
PNSWSH

Service Change Notice 17-104
National Weather Service Headquarters Silver Spring MD
1050 AM EDT Tue Sep 13 2017

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

From: Dave Myrick
 NWS Office of Science and Technology Integration

Subject: Global Ensemble Forecast System (GEFS) SST Replacement: Effective
September 26, 2017

On or about September 26, 2017, beginning with the 1200 Coordinated
Universal Time (UTC) run, the National Centers for Environmental
Protection (NCEP) will update its Global Ensemble Forecast System (GEFS).

The upgrade in the GEFS production suite includes:

1. Replacing the initial Sea Surface Temperature (SST) with the
foundation temperature from the global Near-Surface Sea Temperature (NSST)
analysis. This update removes cycle-to-cycle changes due to the diurnal
cycle of SST, which were introduced into the Global Forecast
System/Gridded Statistical Interpolation (GFS/GSI) by a recent
implementation but is not modeled in the GEFS.

The GEFS products disseminated over NOAAPort will via the NWS and NCEP Web
Services will not change in format or content. These products are
available at the following locations:

NCEP Web Servers:

<http://nomads.ncep.noaa.gov/pub/data/nccf/com/gens/prod/gefs.YYYYMMDD/CC>
<http://www.ftp.ncep.noaa.gov/data/nccf/com/gens/prod/gefs.YYYYMMDD/CC>
<ftp://ftp.ncep.noaa.gov/pub/data/nccf/com/gens/prod/gefs.YYYYMMDD/CC>

NWS Web Server:

<ftp://tgftp.nws.noaa.gov/SL.us008001/ST.opnl/MT.ensg CY.CC/RD.YYYYMMDD>
<http://tgftp.nws.noaa.gov/SL.us008001/ST.opnl/MT.ensg CY.CC/RD.YYYYMMDD>

Where YYYYMMDD strings represent the Year, Month, Day value and CC is the
model cycle.

NCEP would encourage all users to ensure their decoders are flexible and
are able to adequately handle changes in content order, parameter fields
changing order, changes in the scaling factor component within the Product
Definition Section (PDS) of the gridded binary (GRIB) files and also any
volume changes which may be forthcoming. These elements may change with
future NCEP model implementations. NCEP will make every attempt to alert

users to these changes prior to any implementation.

Any questions, comments or requests regarding this change should be directed to the contacts below. We will review any feedback and decide whether to proceed.

For questions regarding these changes, please contact:

Dingchen Hou
NCEP/EMC Modeling and Data Assimilation Branch
College Park, MD
Phone: 301-683-3707
dingchen.hou@noaa.gov

For questions regarding the dataflow aspects of this dataset, please contact:

Carissa Klemmer
NCEP/NCO Dataflow Team Lead
College Park, MD
301-683-0567
ncep.list.pmb-dataflow@noaa.gov

National Service Change Notices are online at:

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

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