

NOUS41 KWBC DDHHMM
PNSWSH

Technical Implementation Notice 12-34
NOAA's National Ocean Service Headquarters Washington DC
Related by National Weather Service Washington DC
250 PM EDT Mon Jul 30 2012

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From: Peter Stone
Chief, Oceanographic Division
NOS Center for Operational Oceanographic
Products and Services (CO-OPS)

Subject: Changes in Lateral Open Boundary Conditions for the
National Ocean Service's Operational Forecast Systems
for the Chesapeake Bay (CBOFS), the Delaware Bay
(DBOFS), the Tampa Bay (TBOFS), and the Northern Gulf
of Mexico (NGOFS), Effective September 25, 2012

Effective September 25, 2012 beginning at 1500 Coordinated
Universal Time (UTC), 10:00 AM EDT, the NOAA/National Ocean
Service's CBOFS, DBOFS, TBOFS, NGOFS will be forced by NCEP's
global operational Real-Time Ocean Forecast System (RTOFS). The
data format and content of model outputs from the above four NOS
OFS will be exactly same as current products; however, the model
forecasts might be slight different from the current products
because different open boundary conditions will be used. No
significant impact to users is expected from this change.

Currently, most of NOS' 3-D OFS rely on NCOM for their lateral
ocean boundary conditions. The Naval Oceanographic Office (NAVO)
is transitioning to a new computer system and only plans to
transition Global HYCOM to the new system. Therefore, NAVO will
stop running Global NCOM in September 2012. Global RTOFS runs at
NCEP on the same computer system as the NOS OFS, thereby making
G-RTOFS model outputs directly accessible to NOS OFS. As a
result, G-RTOFS is the first choice for lateral ocean open
boundary conditions for all NOS OFS. The Navy's Global HYCOM will
serve as a backup for NCEP's G-RTOFS. G-HYCOM uses the same
numerical ocean model and has similar system configurations as
NCEP's RTOFS making the outputs from both G-RTOFS and G-HYCOM
similar and comparable.

If you have any questions concerning these changes, please
contact:

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For questions regarding the dataflow aspects with respect to the
NCEP server at the WOC, please contact:

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National Technical Implementation Notices are online at:

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

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