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PNSWSH

Public Information Statement PNS20-13
National Weather Service Headquarters Silver Spring MD
845 AM Tue EDT Tue Mar 24 2020

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From: Vijay Tallapragada, Chief, Modeling & Data
 Assimilation Branch
 NCEP/Environmental Modeling Center

Subject: Soliciting Public Comments on the Proposed Upgrade of
 the HMON Hurricane operational model April 7, 2020

The Environmental Modeling Center (EMC) is proposing to upgrade the Hurricanes in a Multi-scale Ocean-coupled Non-hydrostatic (HMON) model in early Summer of 2020. The NWS is seeking comments on this proposed change through April 7, 2020.

The full list of potential changes for HMON is described here:
https://www.emc.ncep.noaa.gov/gc_wmb/vxt/zack/FY20_HWRF_HMON/FY20_HMON_on_eslide_upgrade.pptx

Expected benefits from this upgrade include improved track and intensity forecast skill for tropical cyclones in the North Atlantic, East Pacific and Central Pacific basins. There are also expected reductions in intensity bias and storm size errors. For verification statistics for HMON in the North Atlantic Basin, see:

https://www.emc.ncep.noaa.gov/gc_wmb/vxt/zack/FY20_HWRF_HMON/HMONstats_NA_TL/stats.php

East Pacific Basin, see:

https://www.emc.ncep.noaa.gov/gc_wmb/vxt/zack/FY20_HWRF_HMON/HMONstats_EP_AC/stats.php

The following WMO header for tcvitals converted to BUFR format will be discontinued with this HMON upgrade: ISXA40 KWNO

This is a process that repackages tcvitals into bufr format. As a replacement, original tcvitals in text format are available here:
<https://nomads.ncep.noaa.gov/pub/data/nccf/com/hur/prod/inphwrf/>

The NWS will evaluate all comments to determine whether to proceed with this upgrade.

Send comments on this proposal for HMON by April 7, 2020, to:

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or

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National Public Information Statements are online at:

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

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