NOUS41 KWBC 051545 AAD
PNSWSH

Service Change Notice 26-47 Updated
National Weather Service Headquarters Silver Spring MD
1045 AM EST Thu Nov 5 2026

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

From: David Michaud, Director
NWS Central Operations

Subject: Updated: Termination of the NAM, SREF, HREF, HiresW, and NAM MOS: Effective Nov 3, 2026

Updated to list additional WMO headers terminated with this implementation.

Effective Nov 3 2026, at 1200 Coordinated Universal Time (UTC), the National Centers for Environmental Prediction (NCEP) discontinued the North American Mesoscale (NAM) Forecast System, the Short-Range Ensemble Forecast (SREF), the High-Resolution Ensemble Forecast (HREF), the High Resolution Window (HiresW), and the NAM Model Output Statistics (NAM MOS). These legacy systems are replaced by the Rapid Refresh Forecast System (RRFS). A full description of new RRFS products is available in SCN 26-48.

** Discontinued NAM North America (12 km) and Nests **
All products and domains including CONUS, North America, Caribbean/Central America, Pacific, Alaska, Hawaii and Puerto Rico

Full files in the following paths:
https://nomads.ncep.noaa.gov/pub/data/nccf/com/nam/prod/

Grib filter:
https://nomads.ncep.noaa.gov/gribfilter.php?ds=nam
https://nomads.ncep.noaa.gov/gribfilter.php?ds=nam_ak
https://nomads.ncep.noaa.gov/gribfilter.php?ds=nam_ak_surf
https://nomads.ncep.noaa.gov/gribfilter.php?ds=nam_na
https://nomads.ncep.noaa.gov/gribfilter.php?ds=nam_crb
https://nomads.ncep.noaa.gov/gribfilter.php?ds=nam_pac
https://nomads.ncep.noaa.gov/gribfilter.php?ds=nam_alaskanest
https://nomads.ncep.noaa.gov/gribfilter.php?ds=nam_conusnest
https://nomads.ncep.noaa.gov/gribfilter.php?ds=nam_hawaiinest
https://nomads.ncep.noaa.gov/gribfilter.php?ds=nam_priconest

NAM variables not generated by the RRFS and discontinued.
www.emc.ncep.noaa.gov/rrfs_info/nam_retirements.txt

WMO headers discontinued for NAM:
[LM][A-Z][BS][A-Z][0-9][0-9] KWBE
FDUS(0[89]|1[0-6]) KWBC
FDAK0[1-3] KWBC
FDUE0[1-6] KWBC
FDUM0[1-6] KWBC
FDUW0[1-6] KWBC
FDCN(0[1-3]|4[0-2]) KWBC
FB(US|AK|HW)3[135789] KWNO
FBCN3[135] KWNO
FOUS(4[0-3]|6[0-9]|7[0-8]) KWNO

NAM SBN products not provided by RRFS:
www.emc.ncep.noaa.gov/rrfs_info/nam_sbn_removals.txt

** Discontinued SREF (Short Range Ensemble Forecast): **

All products including CONUS, Bias Corrected, North American (both 32km and 16km)

Full files from:
https://nomads.ncep.noaa.gov/pub/data/nccf/com/sref/prod

Grib filters:
https://nomads.ncep.noaa.gov/gribfilter.php?ds=sref
https://nomads.ncep.noaa.gov/gribfilter.php?ds=srefbc
https://nomads.ncep.noaa.gov/gribfilter.php?ds=sref_na
https://nomads.ncep.noaa.gov/gribfilter.php?ds=sref_132

WMO headers discontinued for SREF:
[LM][A-Z][ERVX][A-Z][0-9][0-9] KWBL

*** Discontinued HREF (High Resolution Ensemble Forecast) ***

All domains including Alaska, CONUS, Hawaii and Puerto Rico

Full files:
https://nomads.ncep.noaa.gov/pub/data/nccf/com/href/prod

Grib Filter:
https://nomads.ncep.noaa.gov/gribfilter.php?ds=hrefak
https://nomads.ncep.noaa.gov/gribfilter.php?ds=hrefconus
https://nomads.ncep.noaa.gov/gribfilter.php?ds=hrefhi
https://nomads.ncep.noaa.gov/gribfilter.php?ds=hrefpr
https://nomads.ncep.noaa.gov/gribfilter.php?ds=hrefconus

HREF to REFS variable changes by output file type:
https://www.emc.ncep.noaa.gov/rrfs_info/href_product_changes.txt

HREF to REFS WMO changes:

REFS products are generated at a 3 h forecast interval from f03 to f48, and then at a 6 h interval to f60 for all domains and cycles.

HREF SBN products are generated at an hourly forecast interval from f01 to f30, and then three hourly to f48 (for CONUS 00/12 UTC, AK 06/18 UTC, HI 00/12 UTC, and PR 06/18 UTC). The CONUS 06/18 UTC HREF SBN products are available at a three hourly interval from f03 to f36.

The REFS WMO product list differs from what the HREF WMO has provided.

These WMO changes are listed by product type in:
https://www.emc.ncep.noaa.gov/rrfs_info/href_sbn_removals.txt

Discontinued WMO headers for HREF:
Y[A-Z][CDEM][A-Z][0-9][0-9] KWBH

*** Discontinued HiresW (High-Resolution Window)***:
CONUS, Alaska, Hawaii, Puerto Rico domains (Guam will stay ON)
Full files:
https://nomads.ncep.noaa.gov/pub/data/nccf/com/hiresw/prod
EXCEPT *guam*
List of HIRESW variables not generated within RRFS and discontinued:
www.emc.ncep.noaa.gov/rrfs_info/hiresw_retirements.txt

Products produced by the HiresW, but which will be generated by the Smartinit system processing RRFS output rather than directly generated by the RRFS:
www.emc.ncep.noaa.gov/rrfs_info/smartinit_products.txt
Grib filter ending:
https://nomads.ncep.noaa.gov/gribfilter.php?ds=hiresconus
https://nomads.ncep.noaa.gov/gribfilter.php?ds=hiresak
https://nomads.ncep.noaa.gov/gribfilter.php?ds=hireshi
https://nomads.ncep.noaa.gov/gribfilter.php?ds=hirespr
WMO headers ending:
CONUS:[YZ][A-Z][AM][ABCDEFGHIKLOPQ][0-9][0-9] KWBS
Hawaii:[YZ][A-Z]D[ABCDEFGHIKLOPQ][0-9][0-9] KWBS
Puerto Rico:[YZ][A-Z]E[ABCDEFGHIKLOPQ][0-9][0-9] KWBS
AK: [YZ][A-Z]C[ABCDEFGHIKLOPQ][0-9][0-9] KWBS

HiresW SBN products not provided by RRFS SBN:
https://www.emc.ncep.noaa.gov/rrfs_info/hiresw_sbn_removals.txt

*** Discontinued NAM Model Output Statistics (NAM MOS) ***
All files
https://nomads.ncep.noaa.gov/pub/data/nccf/com/nam_mos/prod/
WMO Header:
[FJ][OQS][AMPU][AKLS][14][0-9] KWNO
*** Model software for systems being retired ***
https://www.nco.ncep.noaa.gov/pmb/codes/nwprod/hiresw.v8.1.15/
https://www.nco.ncep.noaa.gov/pmb/codes/nwprod/href.v3.1.7/
https://www.nco.ncep.noaa.gov/pmb/codes/nwprod/sref.v7.1.9/
https://www.nco.ncep.noaa.gov/pmb/codes/nwprod/nam.v4.2.13/
https://www.nco.ncep.noaa.gov/pmb/codes/nwprod/nam_mos.v3.5.0/

Please note that the software has been deprecated. We have made the source code available "as-is" for community use. We provide no warranties, bug fixes, or technical support for this code. This software will be removed upon the retirement of these applications. After this date the software will only be available upon request.
*** Additional product changes ***
Additional product changes to the National Blend of Models, ObsProc, and Model Analysis and Guidance website as a result of these discontinuations are available in SCN 26-89.

Additional questions can be directed to:
The Office of Modeling and Development
RRFS Feedback
rrfs.feedback@noaa.gov

For questions about the dataflow aspects, please contact:

Margaret Curtis
HPC Dataflow Team Lead
NWS Central Operations
ncep.pmb.dataflow@noaa.gov

National Service Change Notices are online at:
https://www.weather.gov/notification/

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