

NOUS41 KWBC 110830
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 10-05
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
130 PM EST TUE JAN 12 2010

TO: SUBSCRIBERS:
-FAMILY OF SERVICES
-NOAA WEATHER WIRE SERVICE
-EMERGENCY MANAGERS WEATHER INFORMATION NETWORK
-NOAAPORT
OTHER NWS PARTNERS...AND NWS EMPLOYEES

FROM: THERESE PIERCE
CHIEF...MARINE AND COASTAL SERVICES WEATHER BRANCH

SUBJECT: INCREASE IN TEMPORAL RESOLUTION TO SIGNIFICANT WAVE HEIGHT
GRID IN THE NATIONAL DIGITAL FORECAST DATABASE /NDFD/
EFFECTIVE WEDNESDAY FEBRUARY 17 2010

EFFECTIVE WEDNESDAY FEBRUARY 17 2010 AT 1400 COORDINATED UNIVERSAL TIME
/UTC/...THE NDFD SIGNIFICANT WAVE HEIGHT ELEMENT WILL TRANSITION TO A
TEMPORAL RESOLUTION OF EVERY 6 HOURS FROM THE PRESENT EVERY 12 HOURS. THIS
CHANGE WILL OCCUR ACROSS THE ENTIRE CONTERMINOUS UNITED STATES
/CONUS/...PUERTO RICO AND THE VIRGIN ISLANDS... HAWAII... AND GUAM
SECTORS...INCLUDING ALL 16 CONUS SUBSECTORS.

THE WAVE HEIGHT GRID IN THE ALASKA SECTOR WILL CONTINUE TO BE PRODUCED EVERY
12 HOURS AND REMAIN IN EXPERIMENTAL STATUS UNTIL FURTHER NOTICE.

THE SIGNIFICANT WAVE HEIGHT GRID IS THE AVERAGE WAVE HEIGHT /TROUGH TO CREST/
OF THE ONE-THIRD HIGHEST WAVES VALID FOR THE TOP OF THE DESIGNATED HOUR.
SIGNIFICANT WAVE HEIGHT IS THE COMBINATION OF WIND WAVES AND SWELL. THE
SIGNIFICANT WAVE HEIGHT GRID WILL NOW BE ISSUED EVERY 6 HOURS OUT TO 120
HOURS.

THIS CHANGE PRIMARILY AFFECTS USERS WHO PULL NDFD ELEMENTS IN THE GRIB2
FORMAT FROM THE NWS FILE TRANSFER PROTOCOL /FTP/ SERVER... EITHER VIA THE
INTERNET OR THE FAMILY OF SERVICES /FOS/ SERVER ACCESS SERVICE... AND USERS
WHO PULL HTML FILES FROM THE NWS HYPERTEXT TRANSFER PROTOCOL /HTTP/ SERVER.
THOSE USERS WILL NOW BE ABLE TO PULL THIS ELEMENT AT A FINER TIME SCALE
RESOLUTION.

THE SIGNIFICANT WAVE HEIGHT GRID WILL CONTINUE TO BE AVAILABLE FROM THE NDFD
IN THE FOLLOWING STANDARD METHODS:

- GRIDDED BINARY 2 /GRIB2/ FILES VIA HYPERTEXT TRANSFER
PROTOCOL /HTTP/ AND FILE TRANSFER PROTOCOL /FTP/
- EXTENSIBLE MARKUP LANGUAGE /XML/ VIA SIMPLE OBJECT ACCESS
PROTOCOL /SOAP/
- GRAPHICS VIA WEB BROWSER

GENERAL INFORMATION ON ACCESSING AND USING NDFD ELEMENTS IS
ONLINE AT /USE LOWERCASE/:

[HTTP://NDFD.WEATHER.GOV/TECHNICAL.HTM](http://ndfd.weather.gov/technical.htm)

IF FEBRUARY 17 2010 IS A CRITICAL WEATHER DAY... THIS IMPLEMENTATION MAY BE
POSTPONED. USERS WILL BE NOTIFIED OF THAT DECISION VIA A TECHNICAL
IMPLEMENTATION NOTICE /TIN/ AS FAR IN ADVANCE AS POSSIBLE.

FOR GENERAL QUESTIONS REGARDING NDFD DATA...PLEASE EMAIL:

NWS.NDFD@NOAA.GOV

FOR TECHNICAL QUESTIONS REGARDING NDFD DATA...PLEASE CONTACT:

DAVID RUTH
CHIEF...MESOSCALE PREDICTION BRANCH
NATIONAL WEATHER SERVICE
OFFICE OF SCIENCE AND TECHNOLOGY
1325 EAST WEST HIGHWAY
SILVER SPRING MARYLAND 20910
DAVID.RUTH@NOAA.GOV

FOR QUESTIONS REGARDING THIS NOTICE...PLEASE CONTACT:

DAVID SOROKA
MANAGER – MARINE AND COASTAL SERVICES WEATHER BRANCH
NATIONAL WEATHER SERVICE
OFFICE OF CLIMATE WATER AND WEATHER SERVICES
1325 EAST WEST HIGHWAY
SILVER SPRING MARYLAND 20910
DAVID.SOROKA@NOAA.GOV

TECHNICAL IMPLEMENTATION NOTICES SPECIFICALLY RELATED TO THE
NDFD ARE ONLINE AT /USE LOWERCASE/:

[HTTP://WWW.WEATHER.GOV/NDFD/TINS.HTM](http://www.weather.gov/ndfd/tins.htm)

NATIONAL TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT
/USE LOWER CASE/:

[HTTP://WWW.WEATHER.GOV/OS/NOTIF.HTM](http://www.weather.gov/os/notif.htm)

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