

NOUS41 KWBC 281905
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 10-19
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
305 PM EDT FRI APR 28 2010

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

FROM: TIMOTHY MCCLUNG
CHIEF...SCIENCE PLANS BRANCH
OFFICE OF SCIENCE AND TECHNOLOGY

SUBJECT: CHANGE TO RUC MODEL DISSEMINATION TIME: EFFECTIVE APRIL 27 2010

NCEP HAS EXPERIENCED SEVERAL RECENT FAILURES OF THE RAPID UPDATE CYCLE /RUC/ MODEL. THESE FAILURES ARE DUE TO VIOLATIONS OF THE COURANT-FRIEDRICHS-LEVY /CFL/ STABILITY CONDITION...WHICH CAN OCCUR IN VARIOUS SITUATIONS...BUT HAVE BEEN EXPERIENCED RECENTLY ON THE EAST SIDE OF THE SIERRAS WITH STRONG MOUNTAIN WAVES.

TO PREVENT THESE FAILURES...ON TUESDAY APRIL 27 2010 AT 0006 COORDINATED UNIVERSAL TIME /UTC/...A CHANGE WAS MADE TO THE OPERATIONAL CONFIGURATION OF THE RUC...SPECIFICALLY THE MODEL TIME STEP.

THIS CHANGE RESULTS IN A SLIGHT DELAY TO THE OUTPUT PRODUCT SCHEDULE:

APPROXIMATELY ONE MINUTE FOR THE 6-HOUR FORECAST PRODUCTS
APPROXIMATELY TWO MINUTES FOR THE 12-HOUR FORECAST PRODUCTS
APPROXIMATELY THREE MINUTES FOR THE 18-HOUR FORECAST PRODUCTS

NCEP WILL RUN THE RUC IN THIS OPERATIONAL CONFIGURATION UNTIL FURTHER NOTICE. THESE CHANGES ARE NECESSARY TO ELIMINATE INTERMITTENT MODEL FAILURES WHICH RESULT IN SIGNIFICANTLY LATER PRODUCT ARRIVAL TIMES OR MISSING DATA FOR SOME CYCLES.

IF YOU HAVE QUESTIONS OR CONCERNS ABOUT THIS CHANGE...PLEASE CONTACT:

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

[HTTPS://WWW.WEATHER.GOV/NOTIFICATION/ARCHIVE](https://www.weather.gov/notification/archive)

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