

NOUS41 KWBC 241330  
PNSWSH

Service Change Notice 14-28  
National Weather Service Headquarters Washington DC  
930 AM EDT Thu Apr 24 2014

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FROM: Kevin McCarthy  
Acting Director, Weather Prediction Center

SUBJECT: Increase in Horizontal Resolution of Weather Prediction  
Center (WPC) Day 4-7 Gridded Guidance and Addition of  
Day 3 for CONUS Effective July 8, 2014

Effective Tuesday, July 8, 2014, at 1500 Coordinated Universal  
Time (UTC), the National Centers for Environmental Prediction's  
(NCEP) WPC will increase the resolution of Day 4-7 gridded  
sensible weather guidance products over the CONUS from 5 km to  
2.5 km. This change applies to the following elements:

- maximum temperature
- minimum temperature
- dew point
- wind speed
- wind direction
- probability of precipitation
- sky cover
- weather type

The 2.5 km products will be issued on the same twice daily  
schedule using the same WMO headers as the current 5 km products.  
After this change, the 5 km products will no longer be available.  
Users will see an increase in file size, from approximately 200K  
to approximately 800K for each element at each forecast hour.  
These changes are being made to meet National Digital Forecast  
Database (NDFD) requirements.

Additionally, these same elements will be provided twice daily at  
the Day 3 forecast projection over the CONUS with the following  
WMO headers:

Element	Forecast Hour	WMO Header
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Minimum temperature	F72	LHUD12 KWBN
Maximum temperature	F84	LGUD12 KWBN

Probability of precipitation F66 LDUD00 KWBN  
F72 LDUD06 KWBN  
F78 LDUD12 KWBN  
F84 LDUD18 KWBN

Sky cover F66 LAUD00 KWBN  
F72 LAUD06 KWBN  
F78 LAUD12 KWBN  
F84 LAUD18 KWBN

Wind direction F66 LBUD00 KWBN  
F72 LBUD06 KWBN  
F78 LBUD12 KWBN  
F84 LBUD18 KWBN

Wind speed F66 LCUD00 KWBN  
F72 LCUD06 KWBN  
F78 LCUD12 KWBN  
F84 LCUD18 KWBN

Dew point F66 LFUD00 KWBN  
F72 LFUD06 KWBN  
F78 LFUD12 KWBN  
F84 LFUD18 KWBN

Weather type F66 LDUD00 KWBN  
F72 LDUD06 KWBN  
F78 LDUD12 KWBN  
F84 LDUD18 KWBN

For more information, please contact:

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National Service Change Notices are online at:

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

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