

NOUS41 KWBC 241330  
PNSWSH

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

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

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's) WPC will  
increase the resolution of Day 4-7 gridded sensible weather guidance  
products over the contiguous U.S. (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 World Meteorological Organization (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
-----	-----	-----
Minimum temperature	F72	LHUD12 KWBN
Maximum temperature	F84	LGUD12 KWBN

Element -----	Forecast Hour -----	WMO Header -----
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:

David Novak  
[david.novak@noaa.gov](mailto:david.novak@noaa.gov)  
301-683-1484

National Service Change Notices are online at:

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

\$\$  
NNNN