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PNSWSH

Service Change Notice 13-55: Amended  
National Weather Service Headquarters Washington DC  
345 PM EDT Tue Sep 22 2013

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FROM: Kevin McCarthy  
Acting Director, Weather Prediction Center

SUBJECT: Amended: Application of Downscaling to WPC 5 km  
Deterministic Quantitative Precipitation Forecasts  
Effective October 23, 2013

Amended to change effective date to October 23, 2013, due to significant  
computer challenges

Effective October 23, 2013, at 1800 UTC, the National Centers  
for Environmental Prediction's (NCEP) Weather Prediction Center  
(WPC) will implement downscaling to 5 km resolution on all  
deterministic quantitative precipitation forecasts. The change  
is based on numerous requests and as part of continual product  
improvement. The downscaling uses monthly PRISM data. Enhanced  
product detail is most evident during the cool season in the  
western United States, with lessor effects in the East.

No changes will be made to WMO headers. Grid file sizes will  
remain comparable to current sizes.

WPC has developed graphical and gridded examples of 6-hour,  
24-hour, and 168-hour deterministic downscaled QPF available at:

[ftp://ftp.wpc.ncep.noaa.gov/downscaled\\_qpf\\_examples/](ftp://ftp.wpc.ncep.noaa.gov/downscaled_qpf_examples/)

The Hurricane Sandy examples (sandy\_) demonstrate results for a  
heavy precipitation event in the eastern continental United  
States. The U.S. western examples (westus\_) show results for a  
period of heavy precipitation at the end of November 2012 into  
early December 2012.

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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