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PNSWSH

Service Change Notice 14-54
National Weather Service Headquarters Washington DC
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From: Eli Jacks
 Chief, Fire and Public Weather Services Branch

Subject: Operational Implementation of the Storm Prediction Center (SPC)
Day 4-8 Severe Weather Outlooks: Effective December 16, 2014

Effective Tuesday, December 16, 2014, at 1500 Coordinated Universal Time (UTC), SPC will move its Day 4-8 Severe Weather Outlooks for the contiguous U.S. (CONUS) from experimental to operational status.

Public comments on the experimental product were very positive.

Since May 16, 2014, examples of these outlooks using historical data have been available at:

<http://www.spc.noaa.gov/exper/dy4-8example/>

After operational implementation, the SPC Day 4-8 Severe Weather Outlooks will include five separate graphics, one for each day in the 4-8 cycle. Also, SPC will include areas where the total severe weather probabilities are at least 15 percent within 25 statute miles of any point. This change is in addition to the 30 percent total severe threshold currently used.

Adding the 15 percent threshold will result in more consistency between the Day 4-8 graphic and corresponding text discussion and will help SPC communicate threats earlier in the forecast process.

The following products are available:

WMO Header	AWIPS ID	Description
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ACUS48 KWNS	SWOD48	Days 4-8 Convective Outlook Discussion
WUUS48 KWNS	PTSD48	Days 4-8 Convective Outlook Areal Outline
PGNW49 KWNS	RBG440	Day 4 Redbook Graphic Total Probability of Severe Thunderstorms
LDIZ48 KWNS	N/A	Day 4 National Digital Forecast Database (NDFD) Total Probability of Severe Thunderstorms
PGNW50 KWNS	RBG550	Day 5 Redbook Graphic Total Probability of Severe Thunderstorms
LDIZ58 KWNS	N/A	Day 5 NDFD Total Probability of Severe

			Thunderstorms
PGNW51	KWNS	RBG660	Day 6 Redbook Graphic Total Probability of Severe Thunderstorms
LDIZ68	KWNS	N/A	Day 6 NDFD Total Probability of Severe Thunderstorms
PGNW52	KWNS	RBG770	Day 7 Redbook Graphic Total Probability of Severe Thunderstorms
LDIZ78	KWNS	N/A	Day 7 NDFD Total Probability of Severe Thunderstorms
PGNW53	KWNS	RBG880	Day 8 Redbook Graphic Total Probability of Severe Thunderstorms
LDIZ88	KWNS	N/A	Day 8 NDFD Total Probability of Severe Thunderstorms

The "points" product (PTSD48) includes labels of "0.15" (15 percent) and "0.30" (30 percent). All Day 4-8 Total Probability of Severe Thunderstorm grid products (LDIZ(4-8)8 and LK(B-U)Z97) will become probabilistic and contain values of 0, 15 and 30.

The Day 4-8 Total Probability of Severe Thunderstorms replaces the Day 4-8 Categorical Outlooks. The following products will no longer be produced:

WMO Header	AWIPS ID	Description
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PGNM98 KWNS	RBG480	Days 4-8 Redbook Graphic
LDIZ47 KWNS	N/A	Day 4 NDFD Convective Hazard Outlook
LDIZ57 KWNS	N/A	Day 5 NDFD Convective Hazard Outlook
LDIZ67 KWNS	N/A	Day 6 NDFD Convective Hazard Outlook
LDIZ77 KWNS	N/A	Day 7 NDFD Convective Hazard Outlook
LDIZ87 KWNS	N/A	Day 8 NDFD Convective Hazard Outlook

A Product Description Document (PDD) will be available on December 16, 2014, at:

<http://products.weather.gov/>

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National Service Change Notices are online at:

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

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