

**SPC Day 4-8 Severe Weather Outlooks**  
Product Description Document (PDD)  
December 2014

**Part I - Mission Connection**

a. Product Description – The Storm Prediction Center (SPC) Day 4-8 Severe Weather Outlooks are five separate graphics, one for each day (D4, D5, D6, D7, and D8), that depict areas of organized convection in the contiguous U.S. (CONUS). Two thresholds (15% probability and 30% probability) are used to depict these areas.

b. Purpose -- The outlooks help users to adequately prepare several days in advance of an expected severe weather episode.

c. Audience -- The target audience includes NWS CONUS Weather Forecast Offices (WFOs), the public, media and emergency managers.

d. Presentation Format -- The SPC Day 4-8 Severe Weather Outlooks are available as web graphics, Redbook Graphics, Points products, and NDFD grids.

Technical and policy questions regarding these products may be addressed to:

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## Part II - Technical Description

a. Format and Science Basis – The Storm Prediction Center (SPC) Day 4-8 Severe Weather Outlooks are five separate outlook graphics, one for each individual day.

Areas are delineated by a line labeled 15% where the total severe weather probabilities are at least 15 percent within 25 statute miles of any point. Areas will also be delineated by a line labeled 30% where the total severe weather probabilities are at least 30 percent within 25 statute miles of any point.

The following products are available:

WMO Header	AWIPS ID	Description:
ACUS48 KWNS	SWOD48	Days 4-8 Convective Outlook Discussion
WUUS48 KWNS	PTSD48	Days 4-8 Convective Outlook Areal Outline
PGNW49 KWNS	RBG440	Day 4 Red Book Graphic Total Probability of Severe Thunderstorms
LDIZ48 KWNS		Day 4 NDFD Total Probability of Severe Thunderstorms
PGNW50 KWNS	RBG550	Day 5 Red Book Graphic Total Probability of Severe Thunderstorms
LDIZ58 KWNS		Day 5 NDFD Total Probability of Severe Thunderstorms
PGNW51 KWNS	RBG660	Day 6 Red Book Graphic Total Probability of Severe Thunderstorms
LDIZ68 KWNS		Day 6 NDFD Total Probability of Severe Thunderstorms
PGNW52 KWNS	RBG770	Day 7 Red Book Graphic Total Probability of Severe Thunderstorms
LDIZ78 KWNS		Day 7 NDFD Total Probability of Severe Thunderstorms
PGNW53 KWNS	RBG880	Day 8 Red Book Graphic Total Probability of Severe Thunderstorms
LDIZ88 KWNS		Day 8 NDFD Total Probability of Severe Thunderstorms

The "points" product (PTSD48) includes labels of "0.15" (15 percent) and "0.30" (30 percent).

A more detailed description and examples of the SPC Day 4-8 Severe Weather Outlooks can be found at: <http://www.spc.noaa.gov/exper/dy4-8example/>

b. Availability – Products are issued once daily at 1000 UTC during Standard time and 0900 UTC during Daylight Time. The graphics are available at the following URL:  
. <http://www.spc.noaa.gov/products/exper/day4-8/>

c. Additional Information – Example:

