

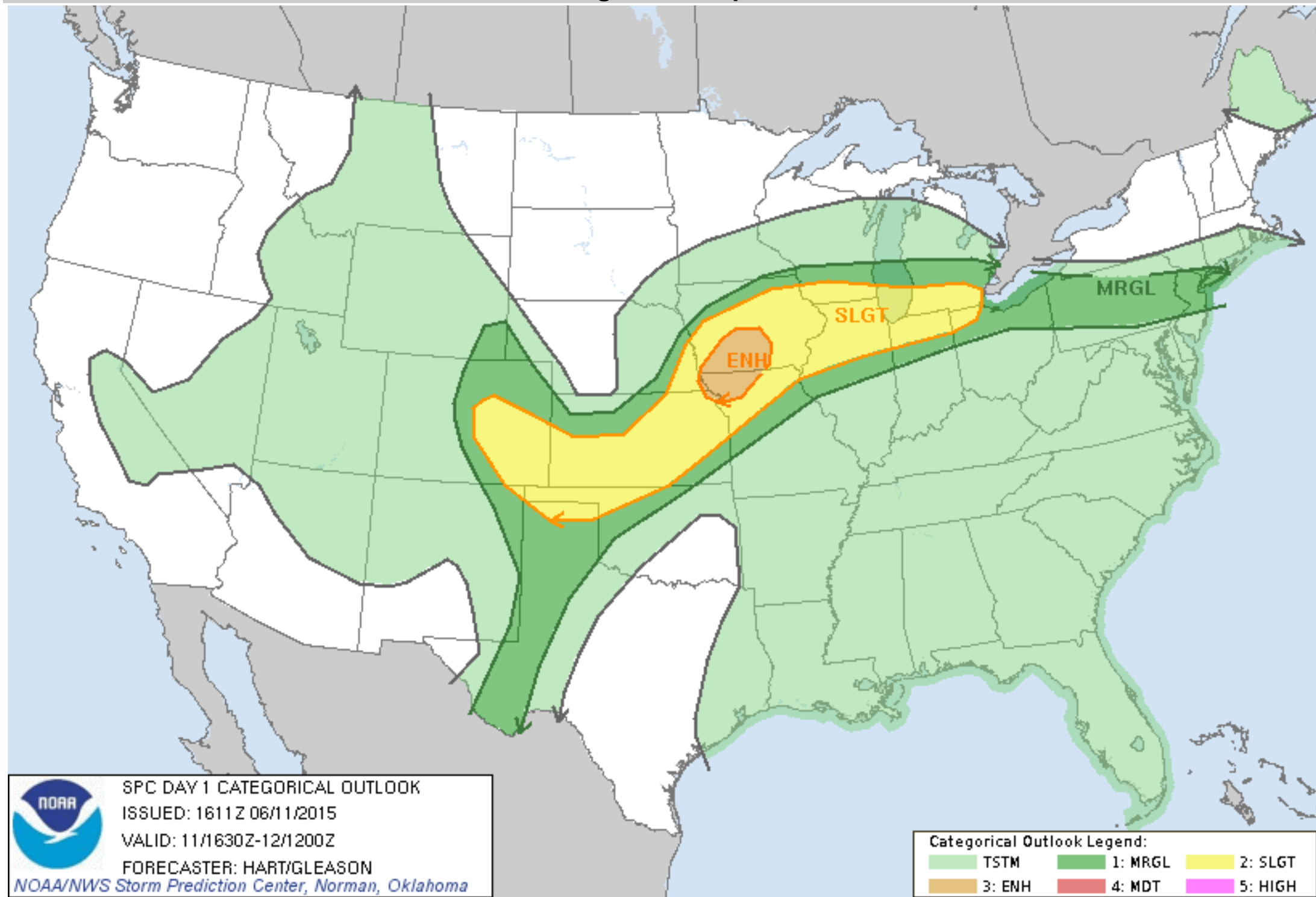



# Jun 11, 2015 1630 UTC Day 1 Convective Outlook

Updated: Thu Jun 11 16:11:42 UTC 2015 (  |  )  
[Probabilistic to Categorical Outlook Conversion Table](#)

## Categorical Graphic

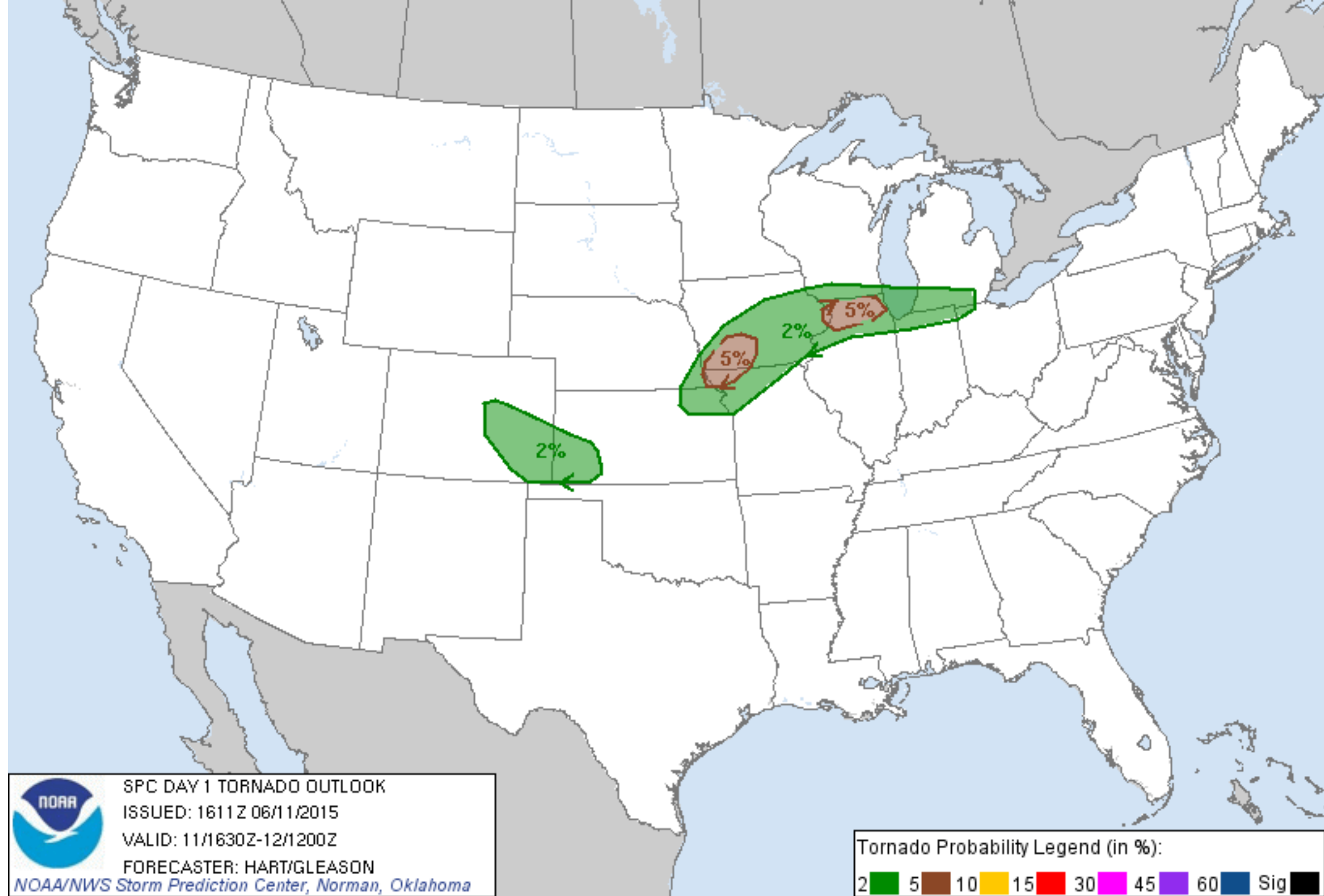



**SPC DAY 1 CATEGORICAL OUTLOOK**  
 ISSUED: 1611Z 06/11/2015  
 VALID: 11/1630Z-12/1200Z  
 FORECASTER: HART/GLEASON  
 NOAA/NWS Storm Prediction Center, Norman, Oklahoma

 TSTM	 1: MRGL	 2: SLGT
 3: ENH	 4: MDT	 5: HIGH

Day 1 Risk	Area (sq. mi.)	Area Pop.	Some Larger Population Centers in Risk Area
<b>ENHANCED</b>	18,235	999,114	Des Moines, IA...St. Joseph, MO...West Des Moines, IA...Ankeny, IA...Urbandale, IA...
<b>SLIGHT</b>	196,826	24,774,271	Chicago, IL...Kansas City, MO...Omaha, NE...Colorado Springs, CO...Wichita, KS...
<b>MARGINAL</b>	248,544	48,900,221	New York, NY...Philadelphia, PA...Detroit, MI...Milwaukee, WI...Denver, CO...

## Probabilistic Tornado Graphic

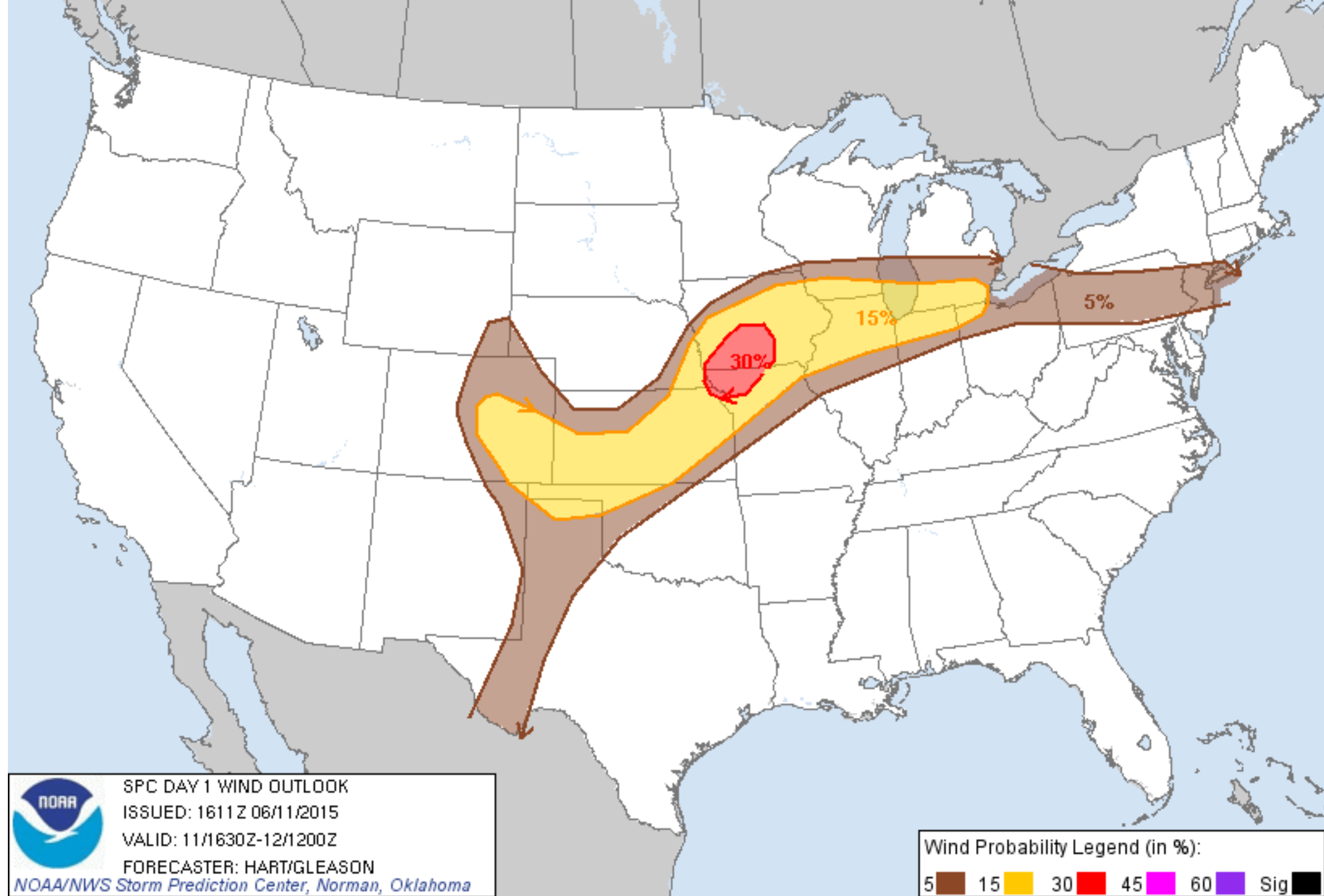


Probability of a tornado within 25 miles of a point.

Hatched Area: 10% or greater probability of EF2 - EF5 tornadoes within 25 miles of a point.

Day 1 Tornado Risk	Area (sq. mi.)	Area Pop.	Some Larger Population Centers in Risk Area
5 %	16,061	3,646,707	Aurora, IL...Rockford, IL...Elgin, IL...Arlington Heights, IL...Schaumburg, IL...
2 %	98,637	13,057,526	Chicago, IL...Colorado Springs, CO...Des Moines, IA...Naperville, IL...Joliet, IL...

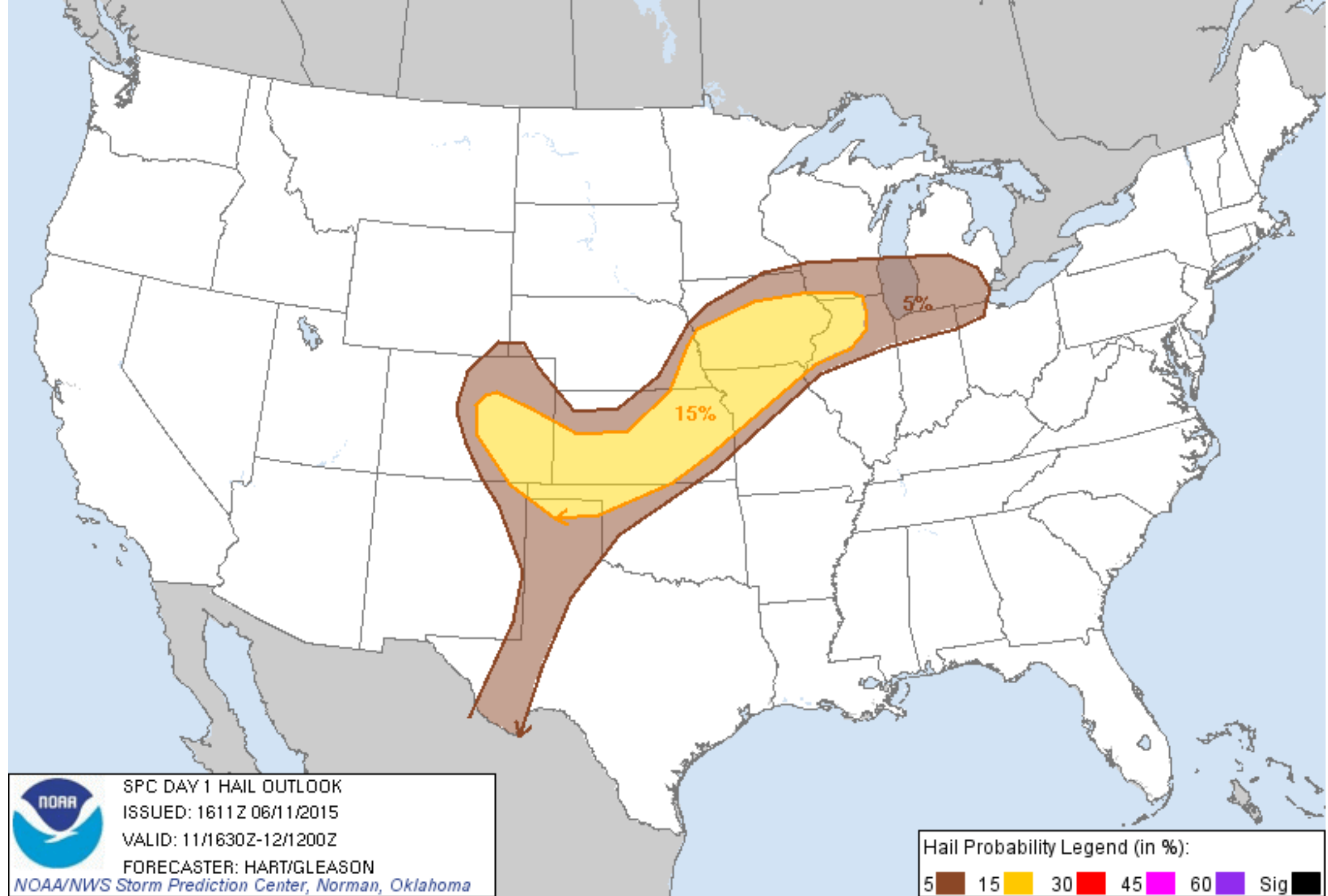
### Probabilistic Damaging Wind Graphic



Probability of damaging thunderstorm winds or wind gusts of 50 knots or higher within 25 miles of a point.  
 Hatched Area: 10% of greater probability of wind gusts 65 knots or greater within 25 miles of a point.

Day 1 Wind Risk	Area (sq. mi.)	Area Pop.	Some Larger Population Centers in Risk Area
30 %	18,015	994,151	Des Moines, IA...St. Joseph, MO...West Des Moines, IA...Ankeny, IA...Urbandale, IA...
15 %	196,596	24,834,254	Chicago, IL...Kansas City, MO...Omaha, NE...Colorado Springs, CO...Wichita, KS...
5 %	245,962	48,849,666	New York, NY...Detroit, MI...Milwaukee, WI...Denver, CO...Cleveland, OH...

**Probabilistic Large Hail Graphic**



Probability of hail 1" or larger within 25 miles of a point.  
 Hatched Area: 10% or greater probability of hail 2" or larger within 25 miles of a point.

Day 1 Hail Risk	Area (sq. mi.)	Area Pop.	Some Larger Population Centers in Risk Area
15 %	170,667	10,610,516	Kansas City, MO...Omaha, NE...Colorado Springs, CO...Wichita, KS...Aurora, CO...
5 %	209,553	25,032,362	Chicago, IL...Milwaukee, WI...Denver, CO...Toledo, OH...Fort Wayne, IN...

SPC AC 111611

DAY 1 CONVECTIVE OUTLOOK  
 NWS STORM PREDICTION CENTER NORMAN OK  
 1111 AM CDT THU JUN 11 2015

VALID 111630Z - 121200Z

...THERE IS AN ENH RISK OF SVR TSTMS OVER PARTS OF SOUTHERN IA AND NORTHERN MO...

...THERE IS A SLGT RISK OF SVR TSTMS FROM THE CENTRAL HIGH PLAINS TO THE MIDDLE GREAT LAKES REGION...

...THERE IS A MRGL RISK OF SVR TSTMS FROM THE CENTRAL/SOUTHERN HIGH PLAINS INTO THE UPPER OH VALLEY AND MID ATLANTIC REGION...

...SUMMARY...

SEVERE THUNDERSTORMS WILL BE POSSIBLE THIS AFTERNOON INTO EARLY TONIGHT FROM EASTERN COLORADO INTO KANSAS...NORTHEASTWARD ACROSS

NORTHWEST MISSOURI AND SOUTHERN/EASTERN IOWA...EASTWARD TO SOUTHERN LOWER MICHIGAN AND VICINITY.

...KS/NEB INTO IL...

WATER VAPOR LOOPS SHOW A MID LEVEL SHORTWAVE TROUGH OVER THE CENTRAL PLAINS DRIFTING SLOWLY EASTWARD. AN ASSOCIATED SURFACE LOW IS ANALYZED NEAR THE KS/NEB BORDER...WITH A WARM FRONT EXTENDING EASTWARD FROM THE LOW INTO SOUTHERN IA AND NORTHERN IL. THIS BOUNDARY IS EXPECTED TO BE THE MAIN FOCUS FOR SEVERE THUNDERSTORMS THIS AFTERNOON AND EVENING. THE COMPLICATING FACTOR IS A REMNANT NOCTURNAL MCS OVER PARTS OF IA/MO...WHICH IS LIMITING HEATING AND DESTABILIZATION OVER THAT AREA. THERE IS MULTI-MODEL AGREEMENT THAT AT LEAST A NARROW ZONE OF HEATING WILL OCCUR AHEAD OF THE LOW ALONG THE WARM FRONT OVER SOUTHEAST NEB...WHERE THUNDERSTORMS ARE EXPECTED TO FORM BY MID AFTERNOON. FAVORABLE LOW LEVEL AND DEEP LAYER VERTICAL SHEAR IN THIS REGION WILL PROMOTE SUPERCELL STORM STRUCTURES CAPABLE OF HAIL...DAMAGING WINDS...AND ISOLATED TORNADOES. STORMS ARE EXPECTED TO SPREAD EASTWARD ACROSS THE ENH RISK AREA THROUGH THE EVENING WITH A CONTINUED RISK OF DAMAGING WINDS AND HAIL.

EAST OF THE REMNANT MCS OVER NORTHERN IL...CLOUDS HAVE REMAINED RATHER PERSISTENT THIS MORNING. NEVERTHELESS...TEMPERATURES ARE WARMING INTO THE 80S SOUTH OF THE WARM FRONT WHERE AFTERNOON MLCAPE VALUES MAY APPROACH 1500 J/KG. ISOLATED THUNDERSTORMS MAY FORM IN VICINITY OF THE WARM FRONT LATER TODAY...WHERE ENHANCED LOW LEVEL SHEAR AND VORTICITY COULD RESULT IN A SUPERCELL OR TWO. HAIL AND DAMAGING WINDS WOULD BE THE MAIN RISKS...BUT A TORNADO IS ALSO POSSIBLE.

...CO INTO KS/OK...

A POSITIVELY TILTED MID LEVEL TROUGH EXTENDS FROM WESTERN NEB INTO THE FOUR-CORNERS REGION TODAY. SEVERAL WEAKER IMPULSES ON THE SOUTHEAST FLANK OF THIS TROUGH WILL HELP TO INITIATE SCATTERED THUNDERSTORMS OVER THE CENTRAL ROCKIES TODAY...SPREADING INTO THE PLAINS STATES. A COLD FRONT SAGGING SOUTHWARD ACROSS WESTERN KS WILL PROVIDE ONE FOCUSING MECHANISM...WHILE OTHER STORMS FORM SOUTHWARD ALONG THE DRYLINE OF WEST TX. A DEEP-MIXED BOUNDARY LAYER OVER MUCH OF THIS AREA WILL POSE A RISK OF GUSTY/DAMAGING WINDS IN THE STRONGER CELLS. SUFFICIENT WESTERLY FLOW ALOFT WILL ALSO ENHANCE RISK OF ORGANIZED MULTICELL OR ISOLATED SUPERCELL STORMS CAPABLE OF HAIL.

...IND/OH TO NYC...

MOST MODEL SOLUTIONS INDICATE A RISK OF SCATTERED THUNDERSTORMS THIS AFTERNOON ALONG A SURFACE BOUNDARY EXTENDING FROM NORTHERN OH INTO PARTS OF PA/NY/NJ. FORECAST SOUNDINGS SHOW ONLY LIMITED VERTICAL SHEAR IN THIS AREA...BUT SUFFICIENT WESTERLY FLOW ALOFT TO POSE A RISK OF GUSTY OR LOCALLY DAMAGING WINDS IN THE STRONGEST CELLS. PRESENT INDICATIONS ARE THAT ANY SEVERE RISK WILL REMAIN TOO ISOLATED TO WARRANT A SLGT RISK.

..HART/GLEASON.. 06/11/2015

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NOTE: THE NEXT DAY 1 OUTLOOK IS SCHEDULED BY 2000Z