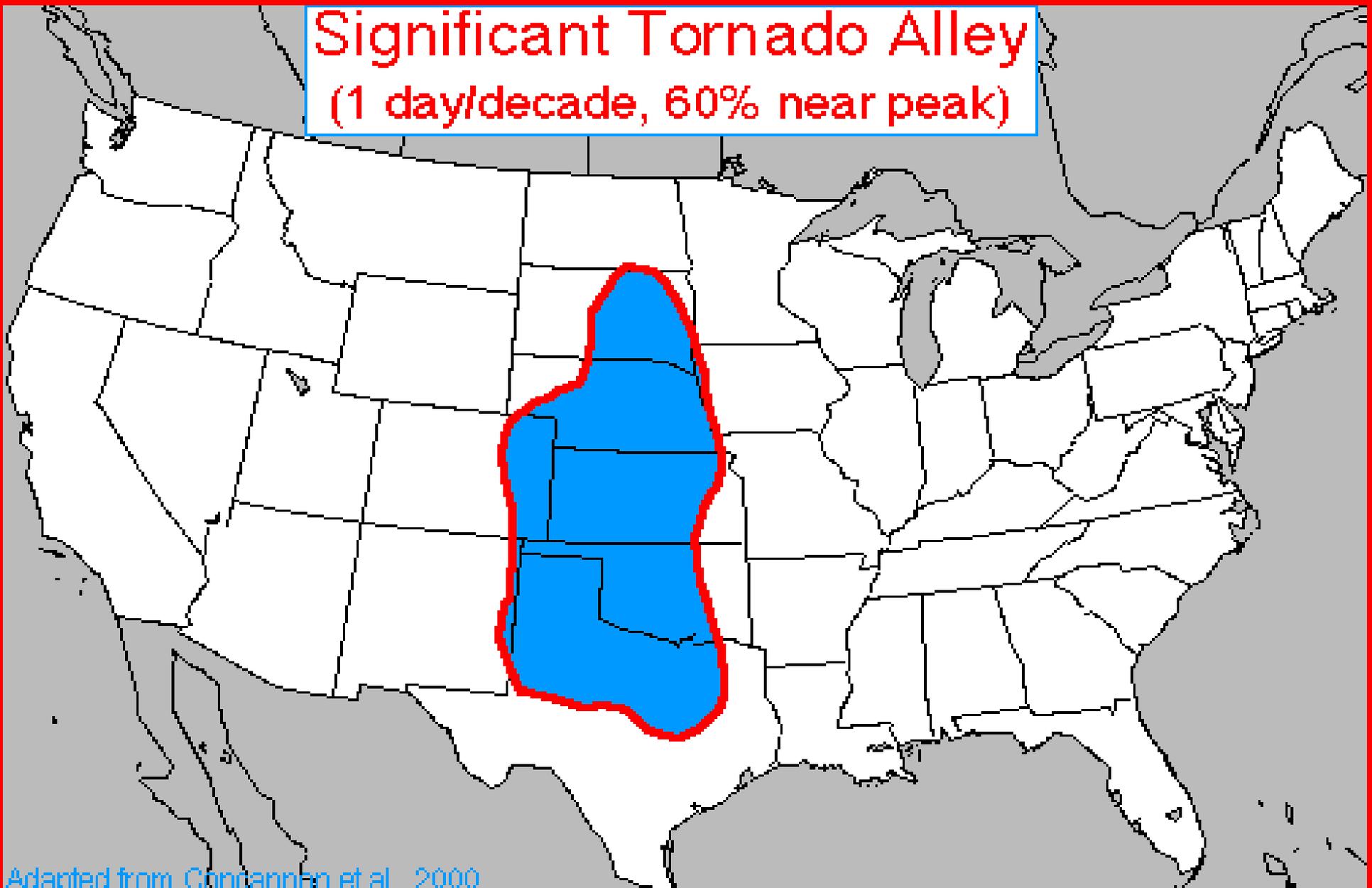




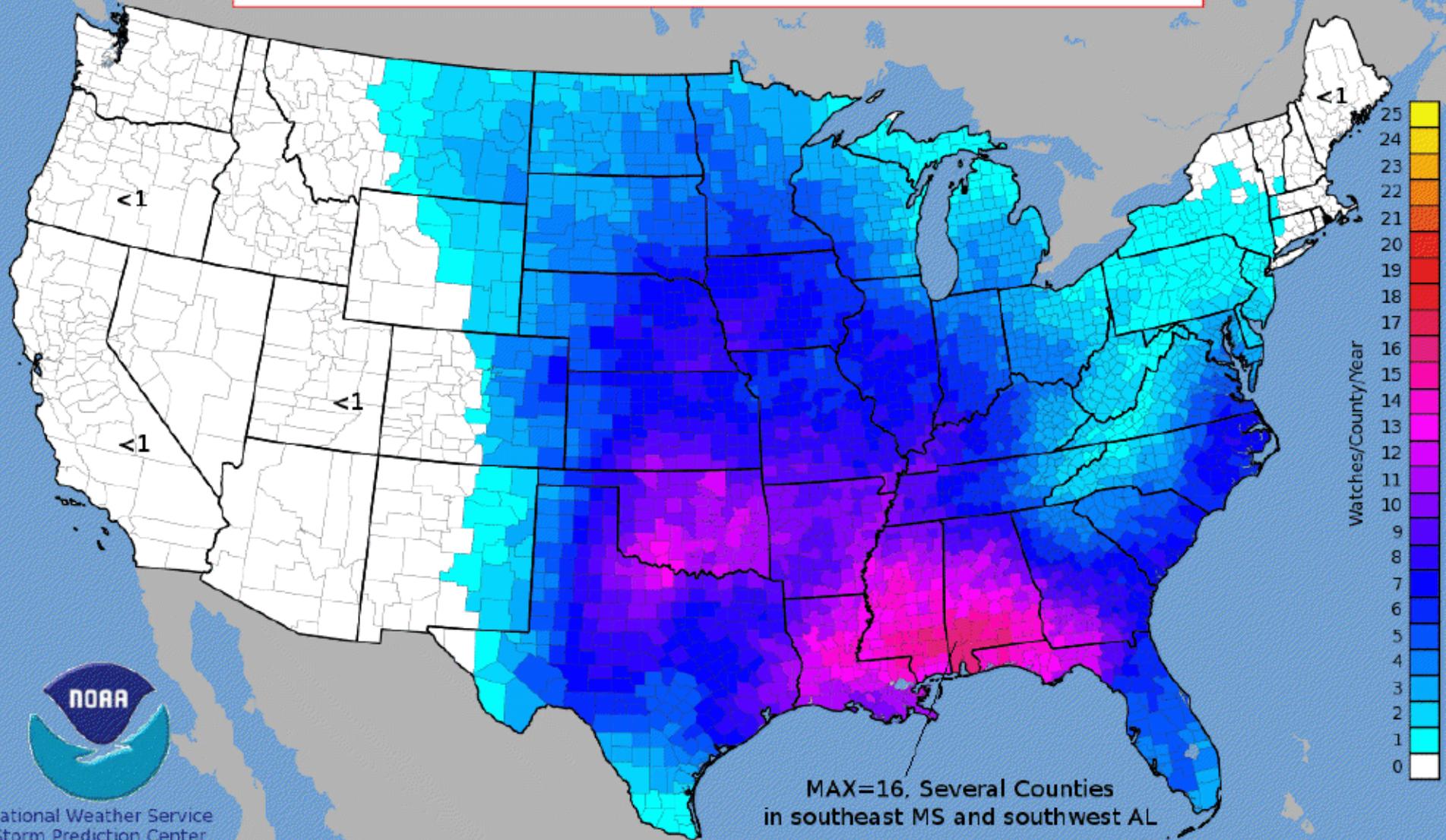
Where is Tornado Alley?

Significant Tornado Alley
(1 day/decade, 60% near peak)



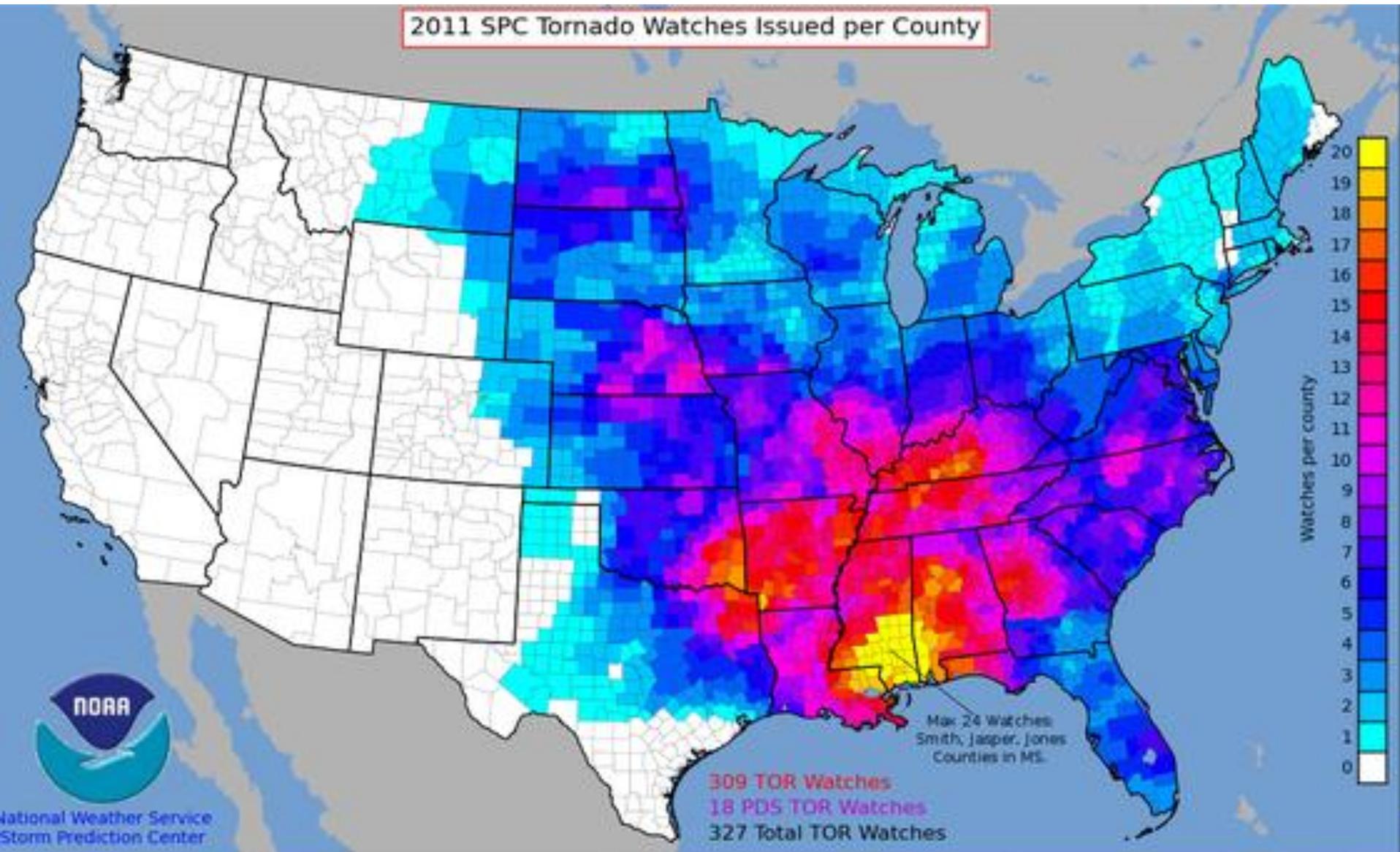
Tornado Watches - Normal

Average Annual Number of SPC Tornado Watches per County (1999-2008)

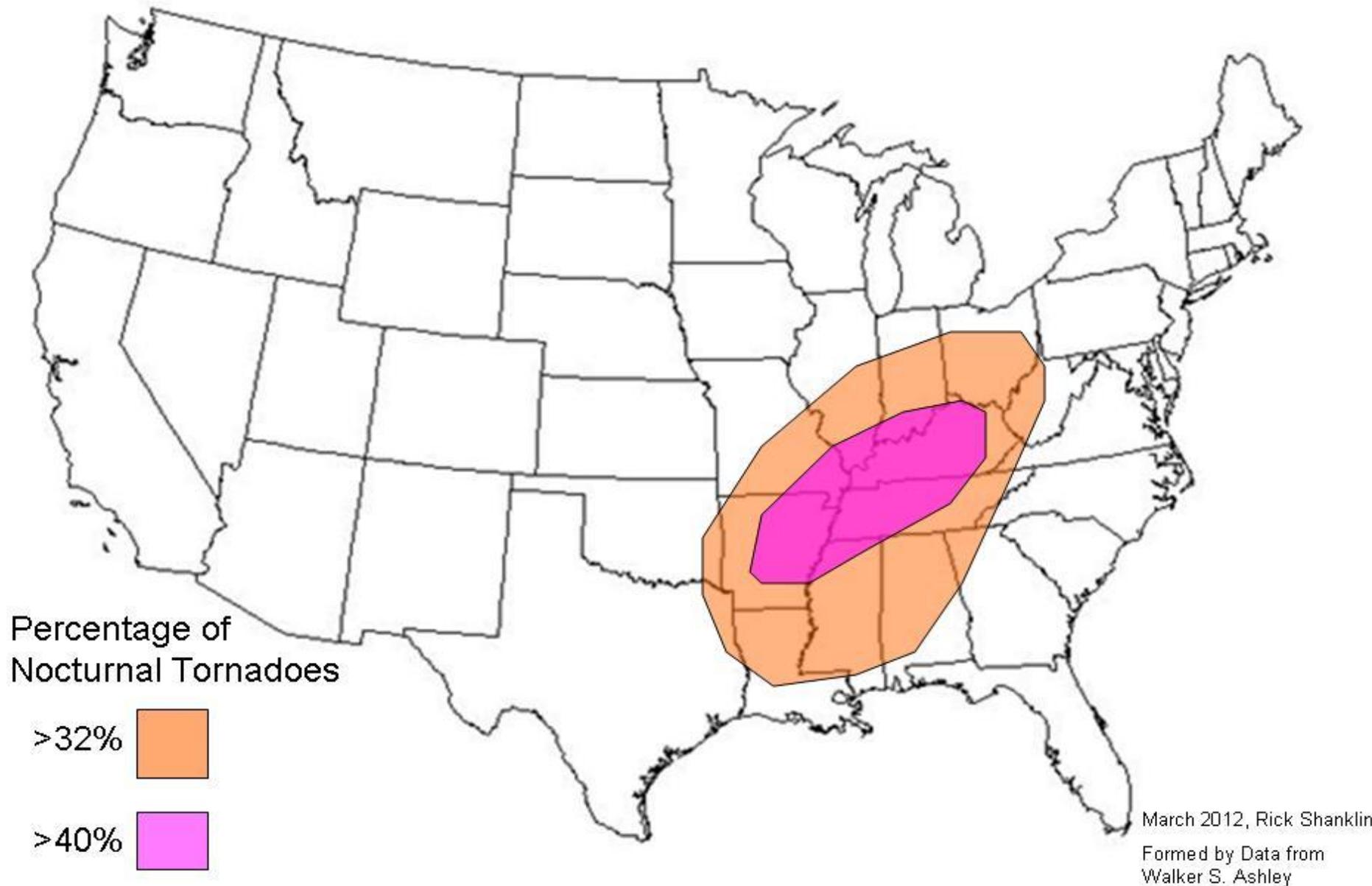


Tornado Watches - 2011

2011 SPC Tornado Watches Issued per County

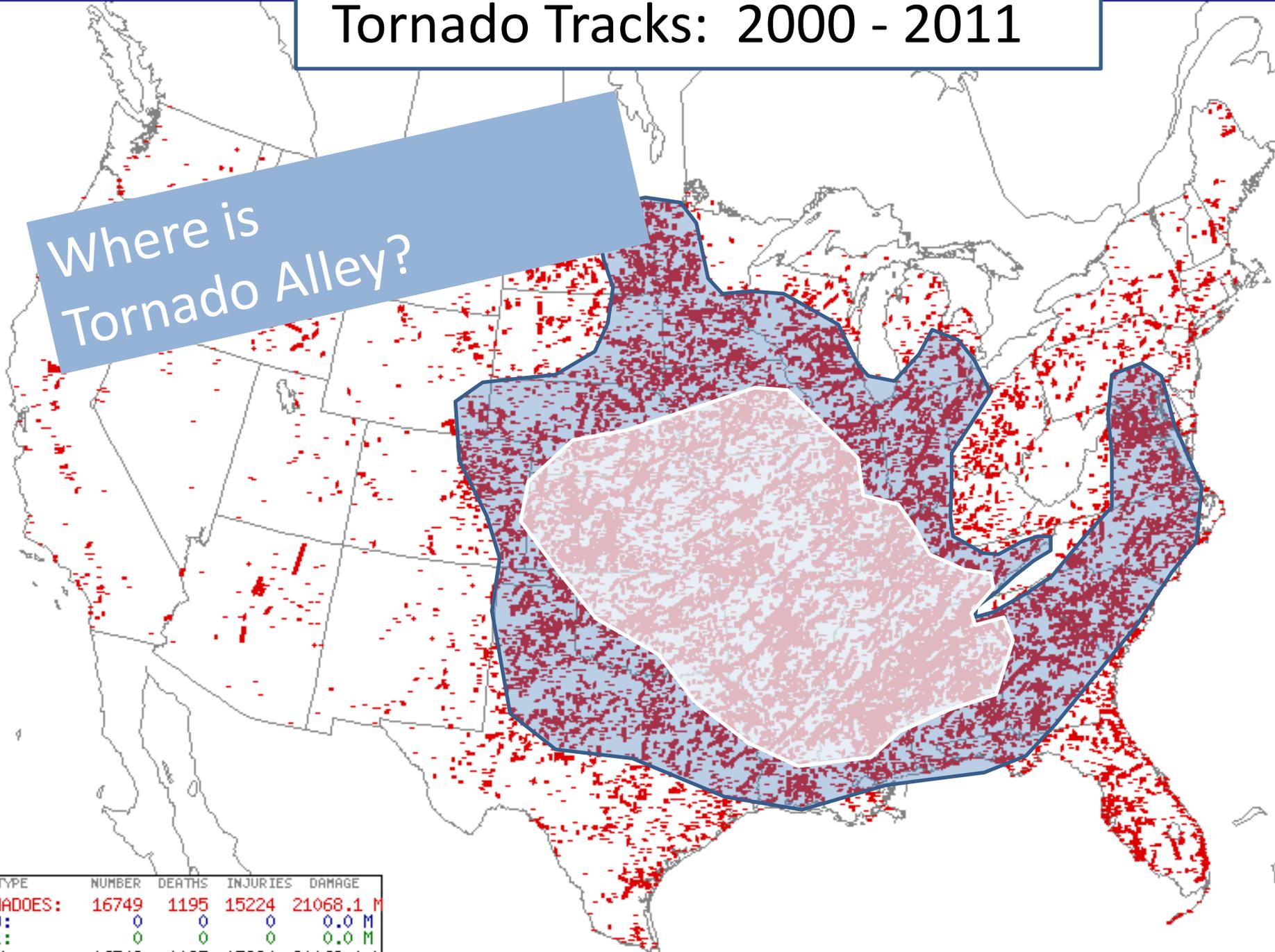


Nocturnal Tornado Alley



Tornado Tracks: 2000 - 2011

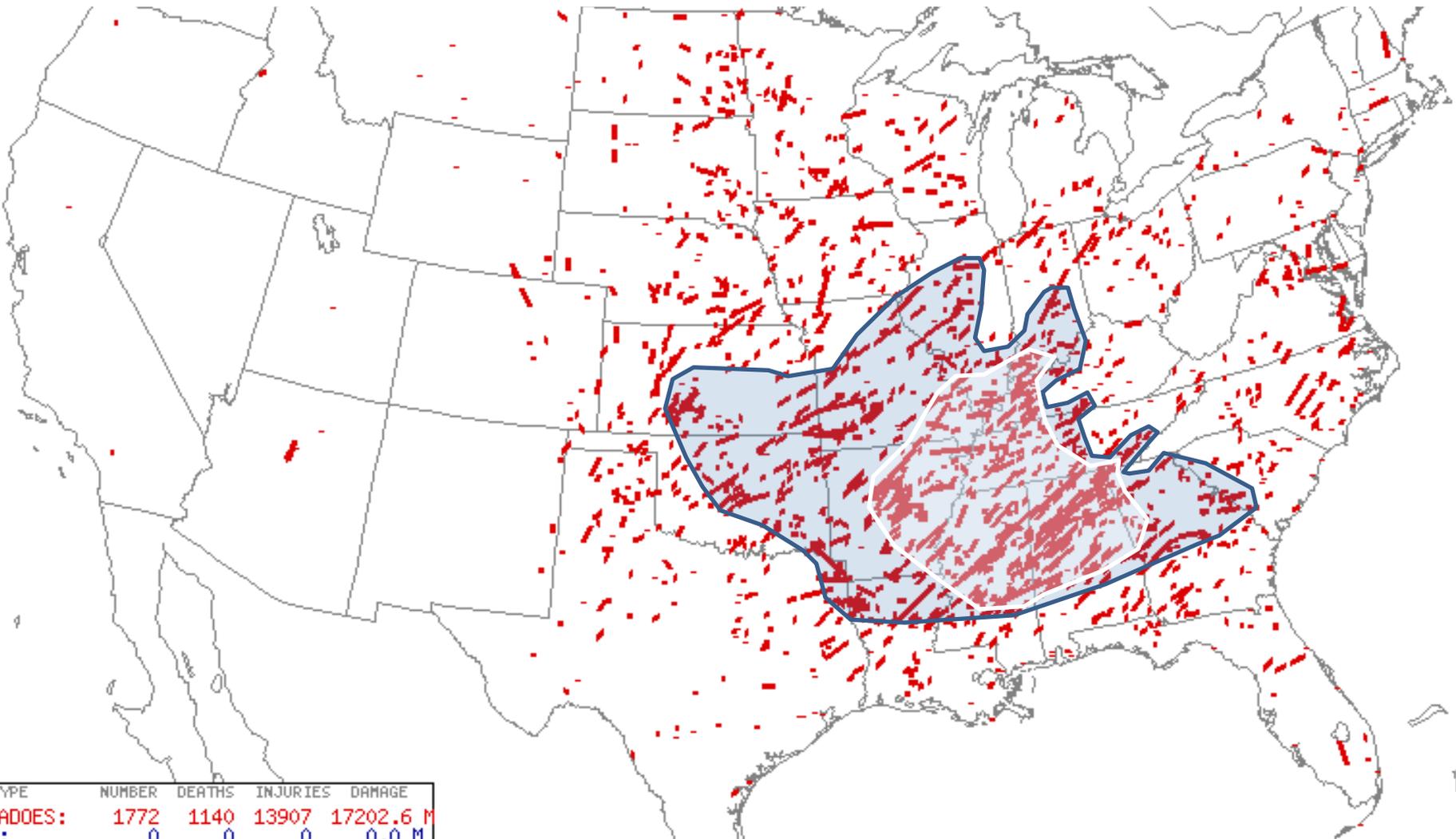
Where is Tornado Alley?



RPT TYPE	NUMBER	DEATHS	INJURIES	DAMAGE
TORNADOES:	16749	1195	15224	21068.1 M
WIND:	0	0	0	0.0 M
HAIL:	0	0	0	0.0 M
TOTAL:	16749	1195	15224	21068.1 M

Sat 01/01/2000 0500 - Sat 12/31/2011 0000 UTC

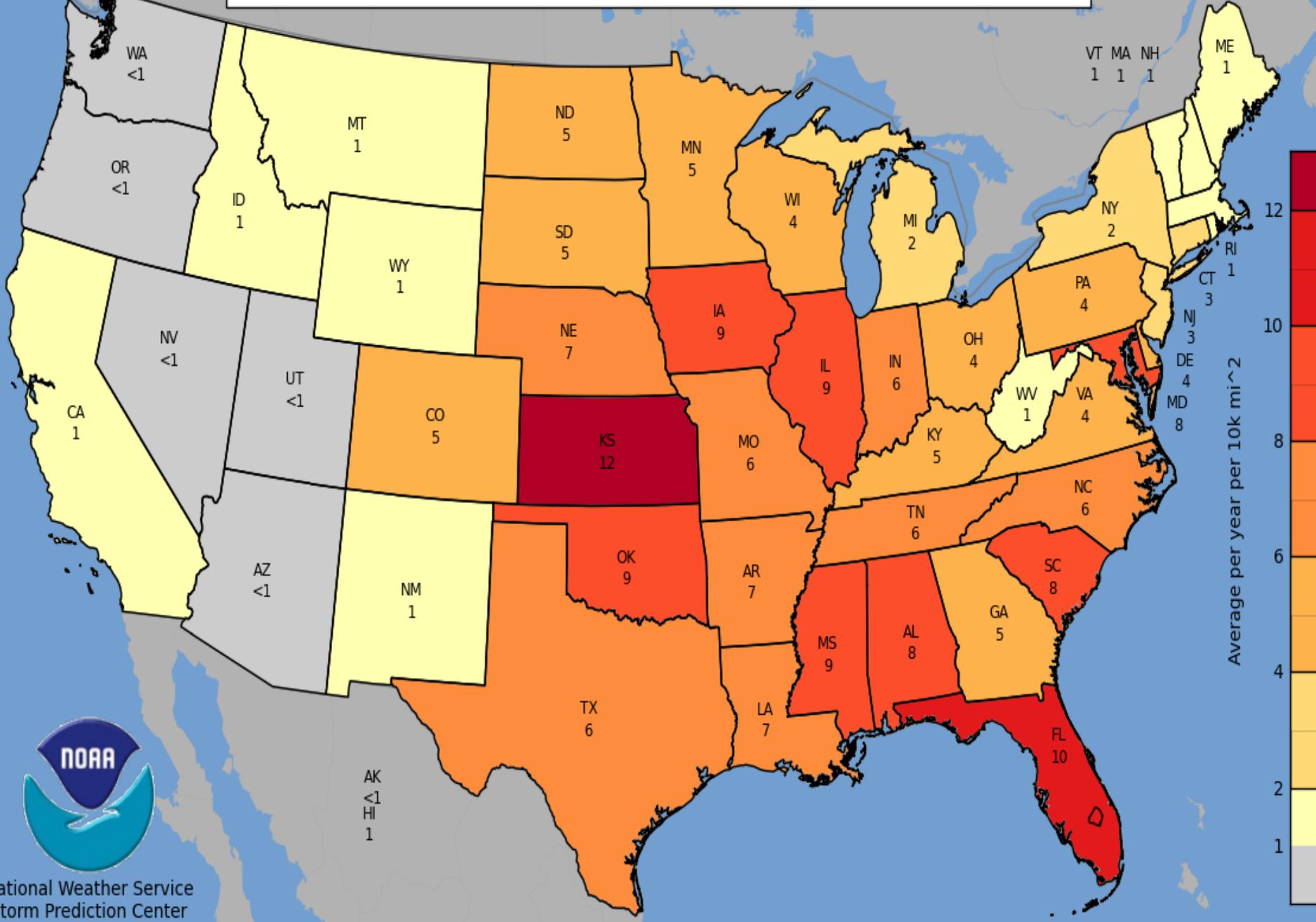
Strong and Violent Tornadoes 2000 - 2011



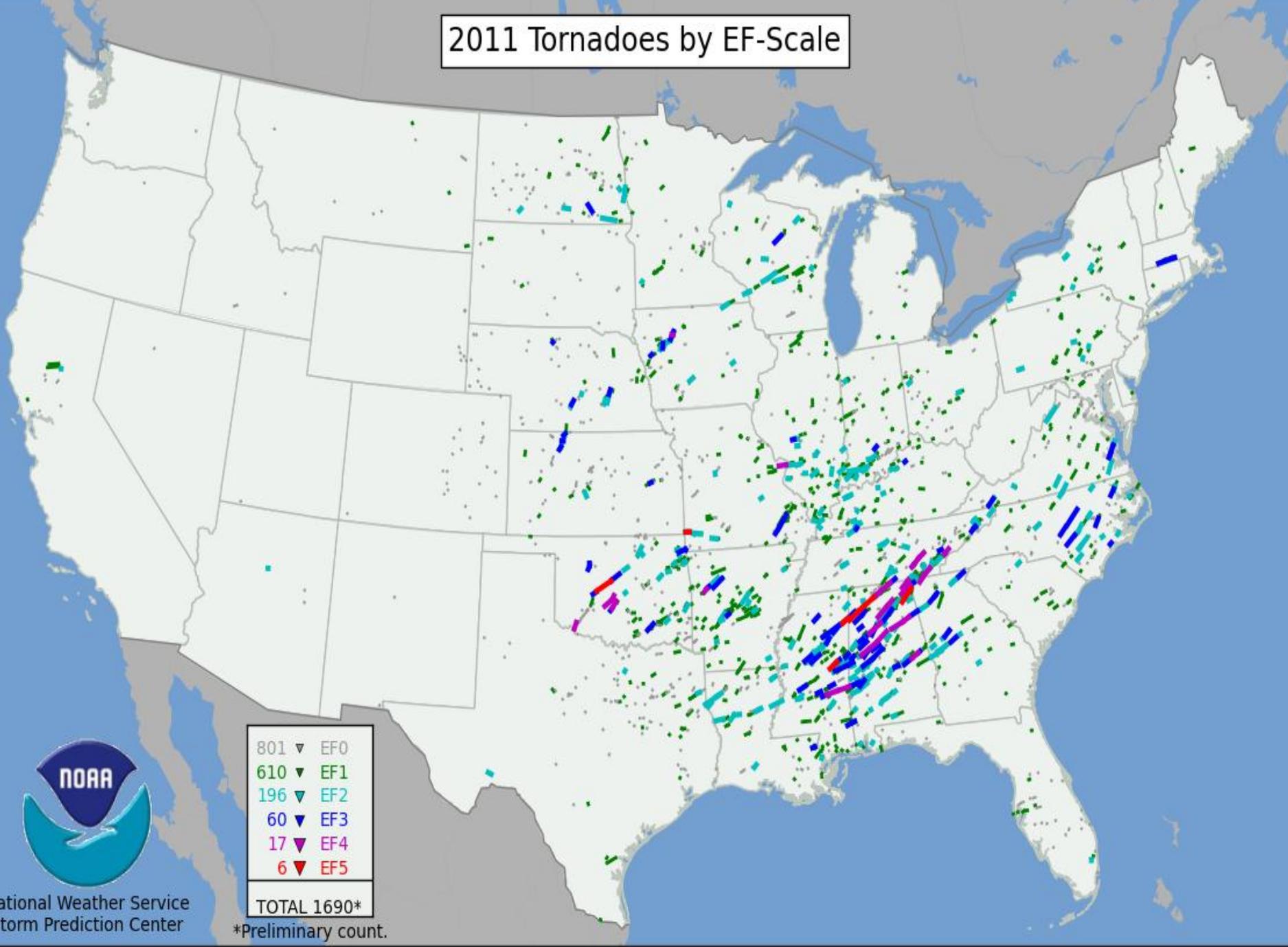
RPT TYPE	NUMBER	DEATHS	INJURIES	DAMAGE
TORNADOES:	1772	1140	13907	17202.6 M
WIND:	0	0	0	0.0 M
HAIL:	0	0	0	0.0 M
TOTAL:	1772	1140	13907	17202.6 M

Sat 01/01/2000 0500 - Sat 12/31/2011 0000 UTC

Average Annual Tornadoes per 10K Square Miles per State (1991-2010)



2011 Tornadoes by EF-Scale

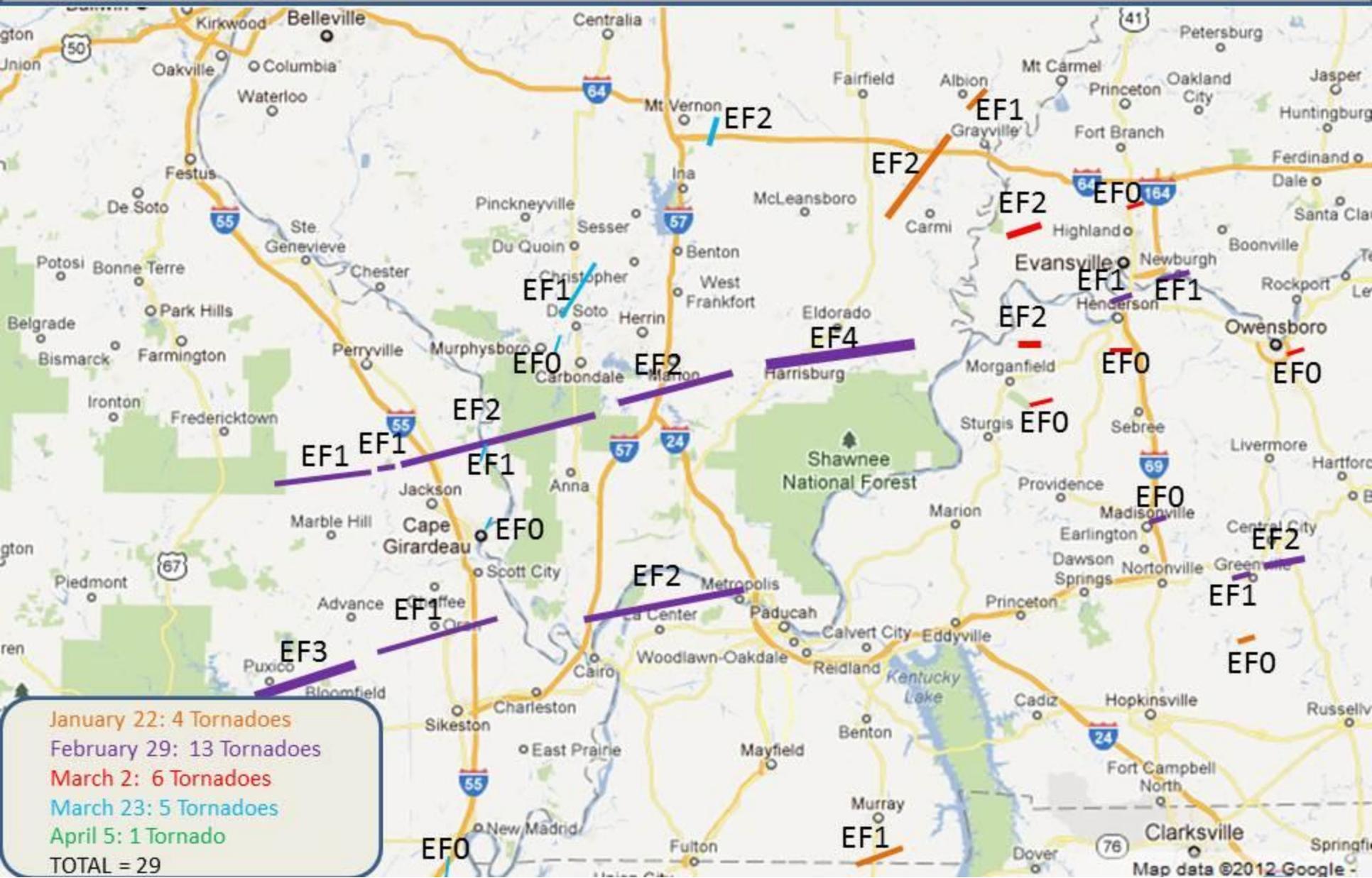


National Weather Service
Storm Prediction Center

801 ▼ EF0
610 ▼ EF1
196 ▼ EF2
60 ▼ EF3
17 ▼ EF4
6 ▼ EF5
TOTAL 1690*

*Preliminary count.

2012 Tornadoes WFO Paducah, KY



Leap Year Tornado Feb. 29th 2012

Harrisburg IL



Hazardous Weather Outlook (HWO) Thursday

6 days prior to Harrisburg Tornado

431 AM CST THU FEB 23 2012

THIS HAZARDOUS WEATHER OUTLOOK IS FOR PORTIONS OF SOUTHERN ILLINOIS...SOUTHWEST INDIANA...WESTERN KENTUCKY AND SOUTHEAST MISSOURI.

.DAY ONE...TODAY AND TONIGHT

THERE IS A SLIGHT RISK OF SEVERE THUNDERSTORMS LATE THIS AFTERNOON INTO THE EARLY EVENING HOURS. THIS RISK OF SEVERE STORMS LIES GENERALLY EAST OF A LINE THAT EXTENDS FROM THE LAND BETWEEN THE LAKES REGION...UP THROUGH THE PENNYRILE OF WESTERN KENTUCKY AND INTO MOST OF SOUTHWEST INDIANA.

BECAUSE OF A POSSIBLE LACK OF OVERALL MOISTURE...THIS IS A CONDITIONAL RISK OF SEVERE THUNDERSTORMS. THIS MEANS IF THE ATMOSPHERE ACTUALLY MOISTENS UP ENOUGH FOR STORMS TO FIRE LATE TODAY...SOME WOULD HAVE A DECENT CHANCE OF REACHING SEVERE LEVELS. LARGE HAIL...DAMAGING WIND GUSTS AND EVEN A FEW TORNADOES WOULD ALL BE POSSIBLE.

.DAYS TWO THROUGH SEVEN...FRIDAY THROUGH WEDNESDAY

THERE IS A SMALL CHANCE OF THUNDERSTORMS TUESDAY NIGHT AND WEDNESDAY. AT THIS TIME...SOME SEVERE STORMS CANNOT BE RULED OUT.

Hazardous Weather Outlook (HWO) Friday

5 days prior to Harrisburg Tornado

502 AM CST FRI FEB 24 2012

THIS HAZARDOUS WEATHER OUTLOOK IS FOR PORTIONS OF SOUTHERN ILLINOIS...SOUTHWEST INDIANA...WESTERN KENTUCKY AND SOUTHEAST MISSOURI.

.DAY ONE...TODAY AND TONIGHT

EXPECT STRONG WEST TO NORTHWEST TODAY. THESE WINDS WILL AVERAGE FROM 15 TO 30 MPH...AND GUSTS MAY REACH INTO THE 40 TO 45 MPH RANGE...ESPECIALLY THIS MORNING. WINDS SHOULD BEGIN TO SUBSIDE A BIT FROM WEST TO EAST AS WE GO THROUGH THE AFTERNOON.

.DAYS TWO THROUGH SEVEN...SATURDAY THROUGH THURSDAY

THUNDERSTORMS WILL BECOME LIKELY TUESDAY NIGHT. AT THIS TIME...IT LOOKS AS THOUGH SOME SEVERE STORMS WILL BE POSSIBLE.

.SPOTTER INFORMATION STATEMENT...

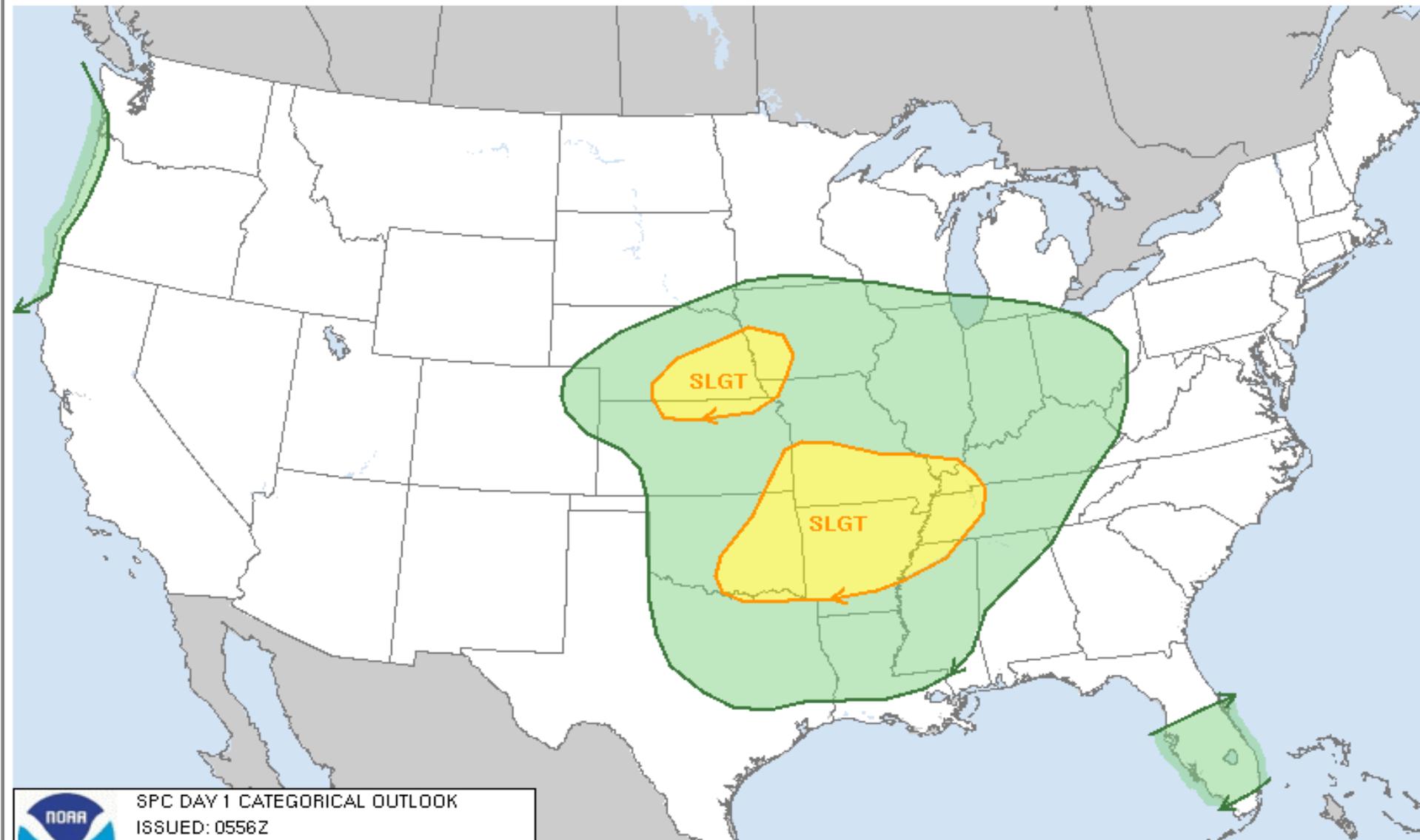
SPOTTER ACTIVATION MAY BE REQUIRED TUESDAY NIGHT ACROSS THE QUAD STATE REGION.

Feb 28, 2012 0600 UTC Day 1 Convective Outlook

Updated: Tue Feb 28 06:00:00 UTC 2012

[Probabilistic to Categorical Outlook Conversion Table](#)

Categorical Graphic



SPC DAY 1 CATEGORICAL OUTLOOK

ISSUED: 0556Z

VALID: 28/1200Z-29/1200Z

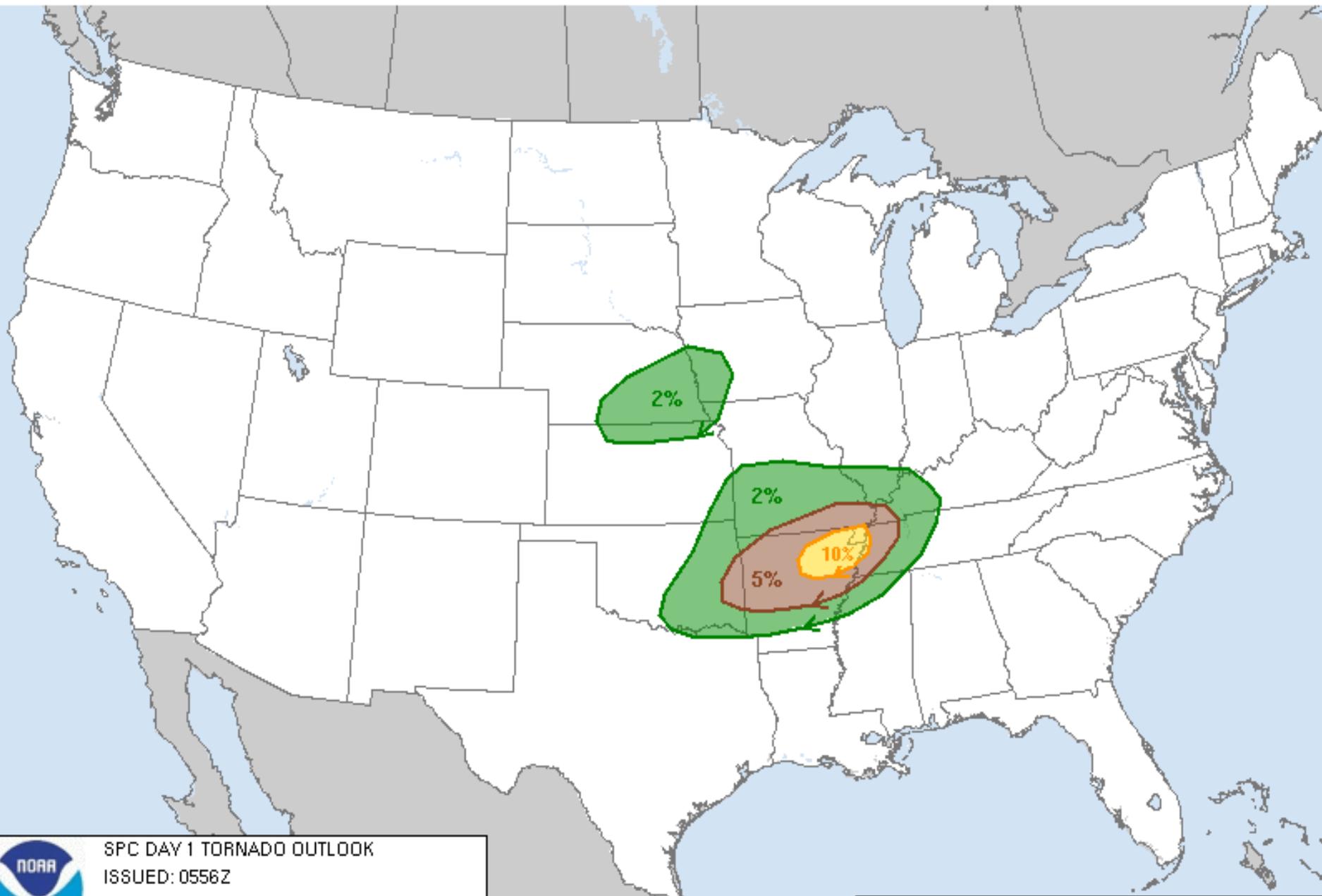
FORECASTER: BROYLES/LEITMAN

NOAA/NWS Storm Prediction Center, Norman, Oklahoma

Categorical Outlook Legend:

TSTM ■ SLGT ■ MDT ■ HIGH ■

Probabilistic Tornado Graphic



SPC DAY 1 TORNADO OUTLOOK
ISSUED: 0556Z
VALID: 28/1200Z-29/1200Z
FORECASTER: BROYLES

NOAA/NWS Storm Prediction Center, Norman, Oklahoma

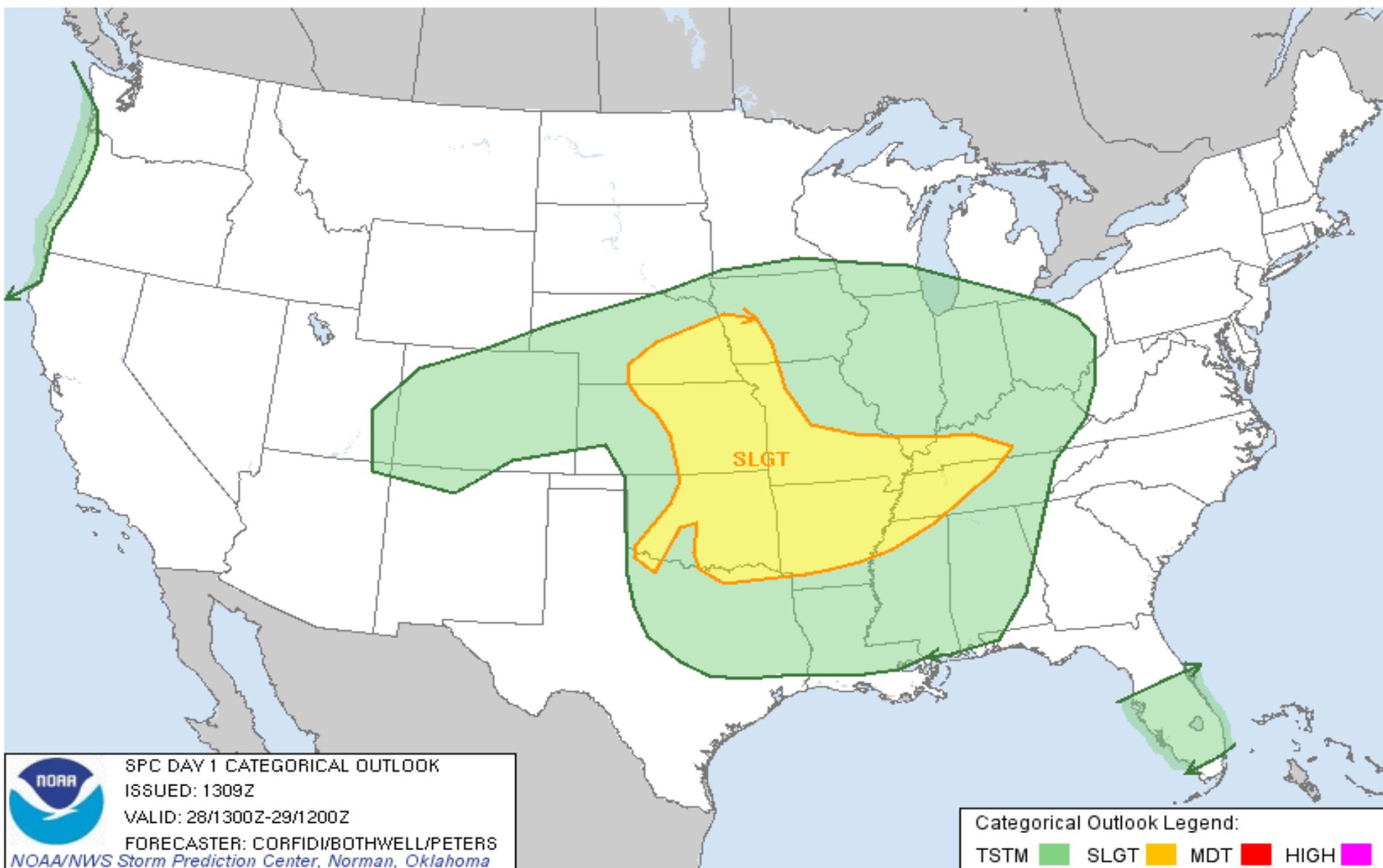


Feb 28, 2012 1300 UTC Day 1 Convective Outlook

Updated: Tue Feb 28 13:13:03 UTC 2012

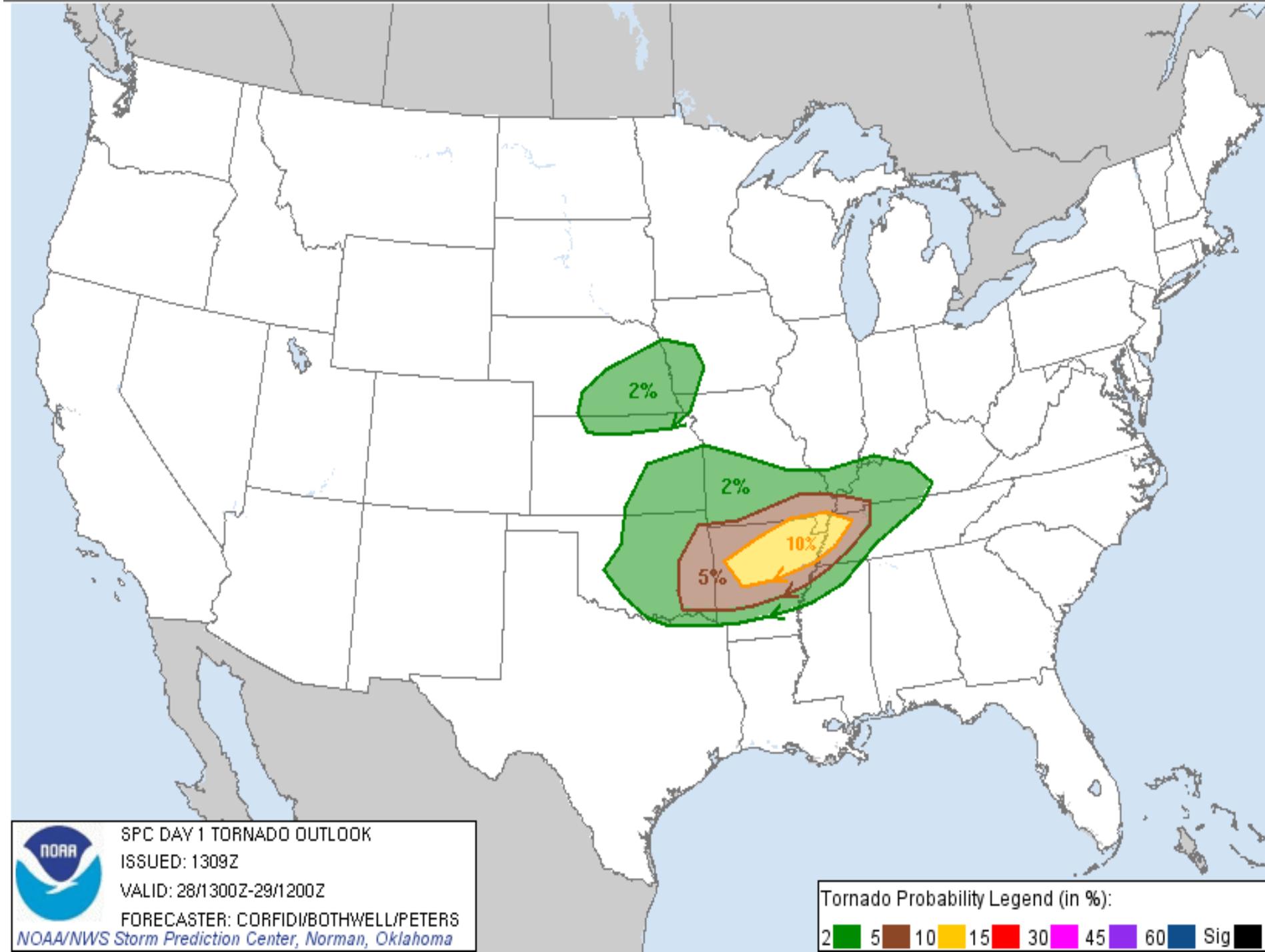
[Probabilistic to Categorical Outlook Conversion Table](#)

Categorical Graphic



SPC DAY 1 CATEGORICAL OUTLOOK
ISSUED: 1309Z
VALID: 28/1300Z-29/1200Z
FORECASTER: CORFIDI/BOTHWELL/PETERS
NOAA/NWS Storm Prediction Center, Norman, Oklahoma

Categorical Outlook Legend:
TSTM SLGT MDT HIGH



SPC DAY 1 TORNADO OUTLOOK
ISSUED: 1309Z
VALID: 28/1300Z-29/1200Z
FORECASTER: CORFIDI/BOTHWELL/PETERS
NOAA/NWS Storm Prediction Center, Norman, Oklahoma

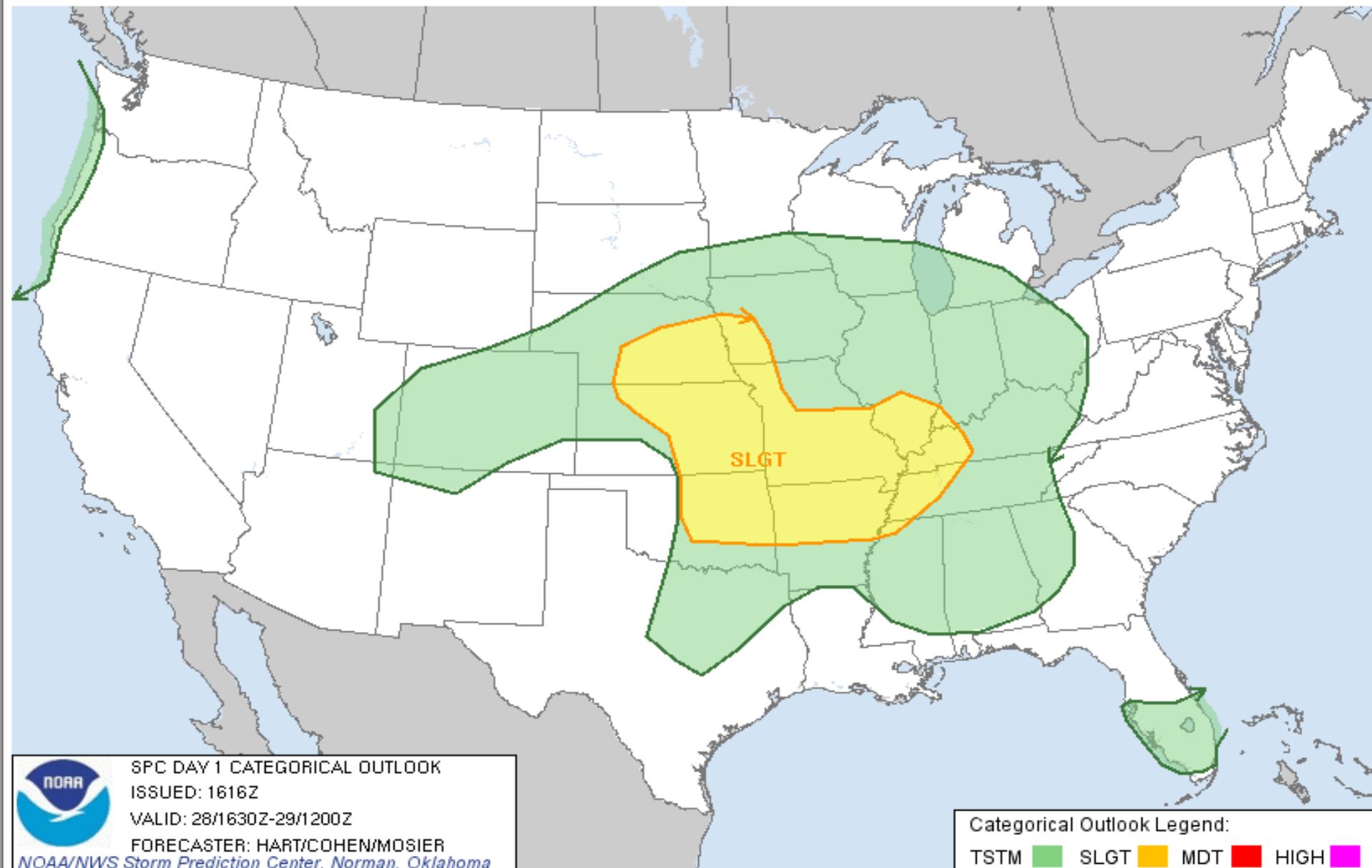


Feb 28, 2012 1630 UTC Day 1 Convective Outlook

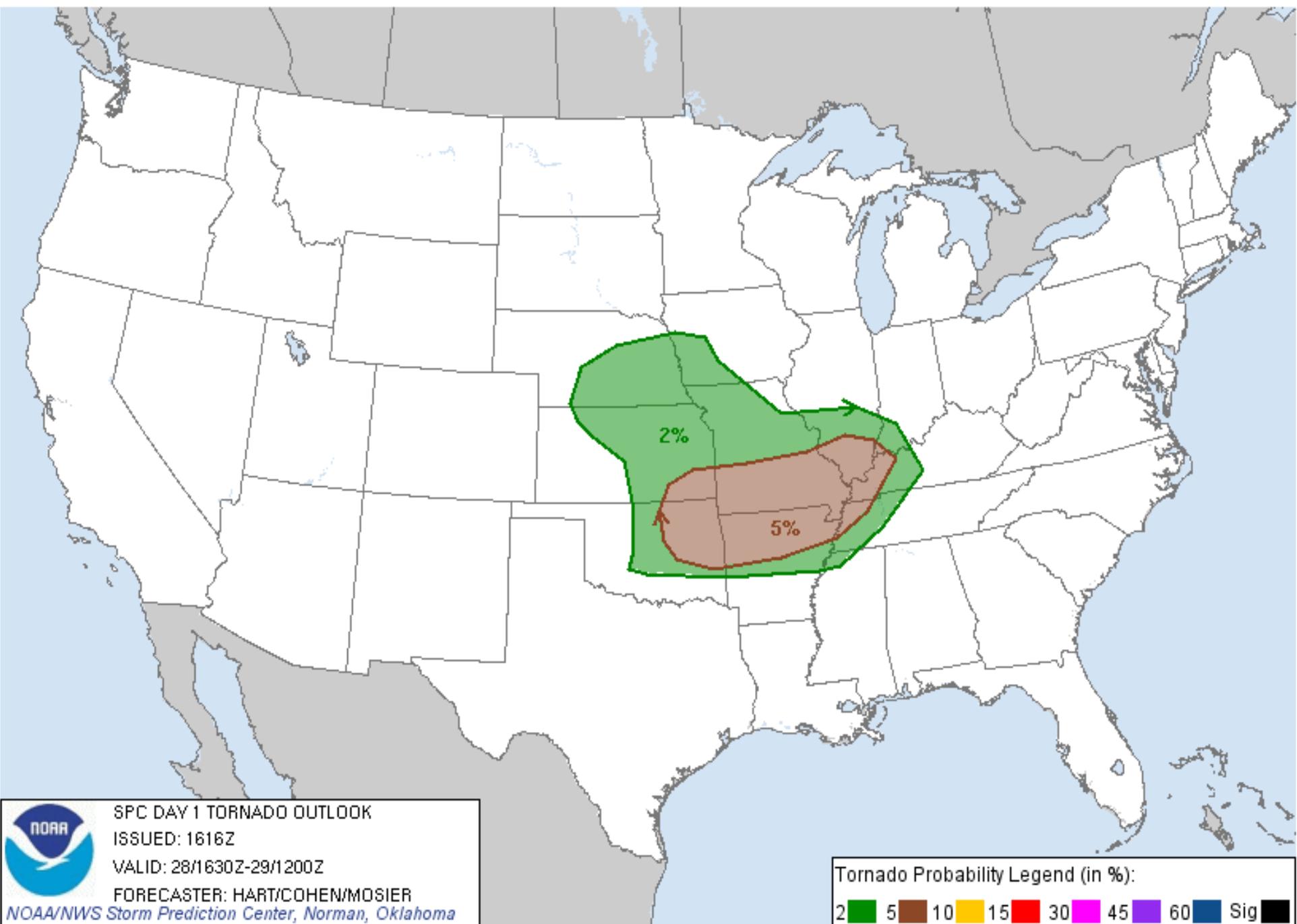
Updated: Tue Feb 28 16:20:03 UTC 2012

[Probabilistic to Categorical Outlook Conversion Table](#)

Categorical Graphic



Probabilistic Tornado Graphic



SPC DAY 1 TORNADO OUTLOOK

ISSUED: 1616Z

VALID: 28/1630Z-29/1200Z

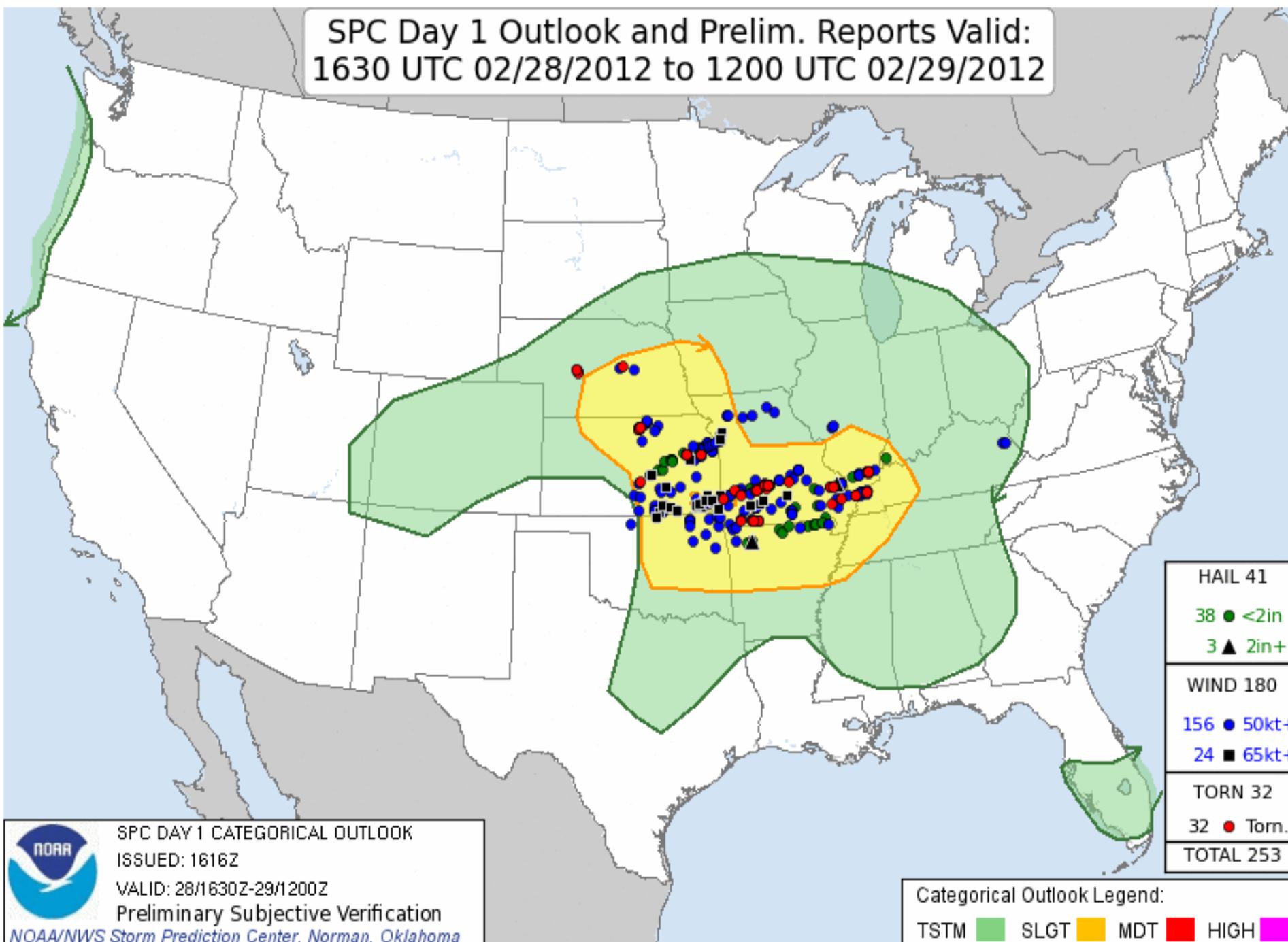
FORECASTER: HART/COHEN/MOSIER

NOAA/NWS Storm Prediction Center, Norman, Oklahoma

Tornado Probability Legend (in %):

2 5 10 15 30 45 60 Sig

SPC Day 1 Outlook and Prelim. Reports Valid:
1630 UTC 02/28/2012 to 1200 UTC 02/29/2012



HAIL 41

38 ● <2in

3 ▲ 2in+

WIND 180

156 ● 50kt+

24 ■ 65kt+

TORN 32

32 ● Torn.

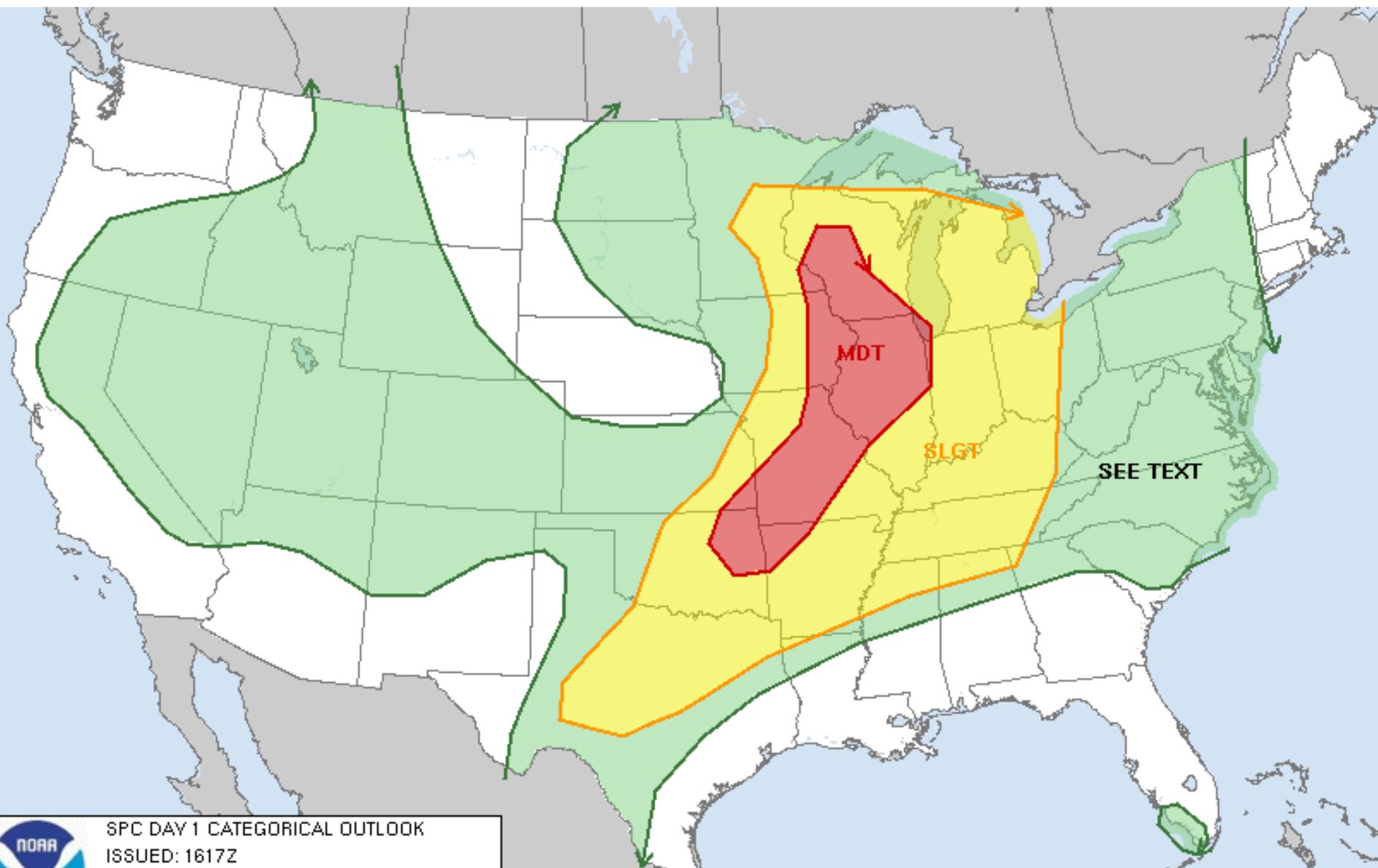
TOTAL 253



SPC DAY 1 CATEGORICAL OUTLOOK
ISSUED: 1616Z
VALID: 28/1630Z-29/1200Z
Preliminary Subjective Verification
NOAA/NWS Storm Prediction Center, Norman, Oklahoma

Categorical Outlook Legend:
TSTM ■ SLGT ■ MDT ■ HIGH ■ UNCLAS ■

Joplin Tornado Day 1 Outlook



SPC DAY 1 CATEGORICAL OUTLOOK

ISSUED: 1617Z

VALID: 22/1630Z-23/1200Z

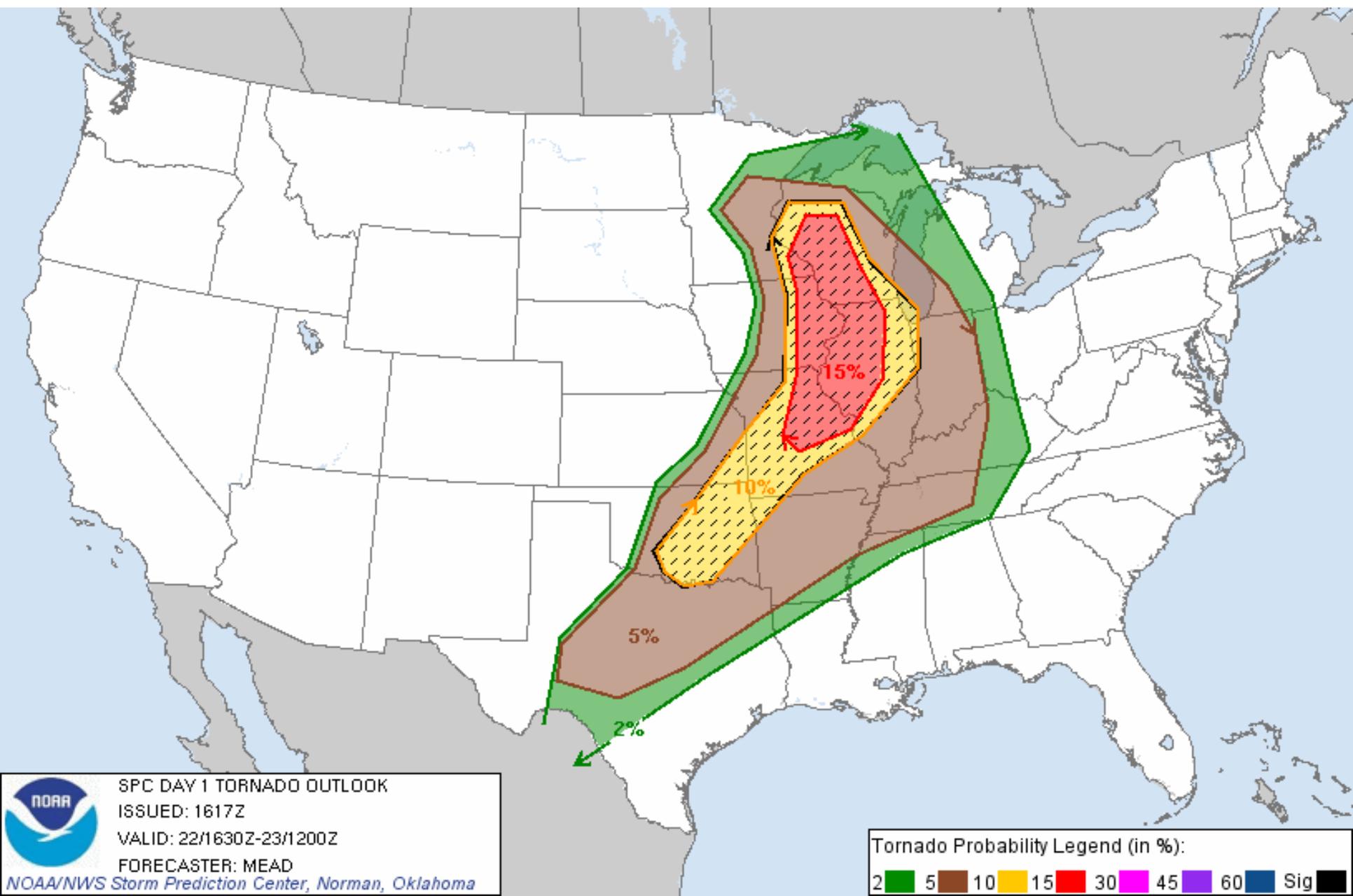
FORECASTER: MEAD/GRAMS

NOAA/NWS Storm Prediction Center, Norman, Oklahoma

Categorical Outlook Legend:

TSTM SLGT MDT HIGH

Joplin Tornado Threat day 1



Area Forecast Discussion

• 223 PM CST TUE FEB 28 2012

.SHORT TERM...(THIS EVENING THROUGH WEDNESDAY NIGHT)
ISSUED AT 222 PM CST TUE FEB 28 2012

THE MAIN CONCERN CONTINUES TO BE SEVERE WEATHER THREAT OVERNIGHT INTO WEDNESDAY MORNING.

INSERTED SCATTERED TSRA AFTER 00Z WED FOR WARM ADVECTION TSRA AS WARM FRONT OVERTAKES THE AREA. THE WARM FRONT WILL BE NORTH OF THE FA BY 06Z WED. THE LATEST MODEL RUNS INDICATE **THE BEST COVERAGE AND HEAVIEST RAIN WILL BEGIN AROUND 6Z WED AND BE CENTERED ON THE MID MISSISSIPPI VALLEY PER THE 00Z TUE ECMWF AND JUST EAST OF THAT WITH 12Z WED GFS.** THE 12Z WED NAM BUFKIT SOUNDINGS ARE FAIRLY IMPRESSIVE WITH THE SEVERE PARAMETERS AROUND 09Z. HOWEVER THERE IS A VERY WEAK CAP REFLECTED NEAR THE SURFACE. ALBEIT WEAK IF THIS MANAGES TO COME TO FRUITION AND HOLD IT WOULD REDUCE BUT NOT ELIMINATE THE TOR THREAT OVERNIGHT. **WITH OTHER MODELS THE CAP ERODES AROUND 6Z AND WOULD SUGGEST SURFACE BASE STORMS THAT COULD BECOME SEVERE...HOWEVER THE BEST TOR THREAT IS STILL AFTER 9Z.** WITH THE ALL MODELS SUPPORTING NO CAP AFTER 12Z AS THE HEAVIEST RAIN WITH GREATEST COVERAGE IS SHIFTING TO THE EAST. HELICITY VALUES RANGE FROM 400 TO 600 BUT THE CAPE AND LI'S REALLY DOESNT GET GOING GOOD UNTIL AROUND 9Z THEN LIS START GOING NEGATIVE AND CAPE STARTS AROUND 500 INCREASING TO GREATER THAN A 1K BY 12Z AND LI'S INCREASING TO -3. MOST ALL THESE VALUES WERE GLEANED FROM THE 12Z WED NAM BUFKIT SOUNDING. **THIS WOULD INDICATE AT LEAST ELEVATED SEVERE POSSIBLE BETWEEN 6Z AND 9Z BECOMING MORE SURFACED BASED AFTER 09Z AND ABSOLUTELY SURFACE BASED BY 12Z. THUS MAIN AREA WILL MOVE THROUGH OVERNIGHT WITH ANOTHER ROUND OF DISCRETE SUPER CELLS POSSIBLE IN THE MAIN AREAS WAKE AROUND OR EVEN AFTER SUNRISE.** ALSO EXPECT VERY WINDY CONDITIONS TONIGHT AND WEDNESDAY. AFTER 18Z WED EXPECT HIGH PRESSURE TO START BUILDING IN FROM THE WEST WITH ABOVE AVERAGE TEMPS. THE NEXT SYSTEM STARTS TO LIFT INTO THE AREA SHORTLY BEFORE 12Z FRIDAY.

SHORT TERM....KH

Real-Time Reports – Harrisburg, IL

- 429 AM – WFO PAH calls 911 Dispatch in Saline county (Heads up for Harrisburg)
- 436 – reports of power outages south of Marion
- 442 – Spotter believes transformers are “blowing” south of Marion
- 445 – Spotter reports confirmed rotating wall cloud
- 455 – Spotter reports multiple power flashes with a “wedge [tornado]” near Harrisburg

Tornado Warning

BULLETIN - EAS ACTIVATION REQUESTED
TORNADO WARNING
NATIONAL WEATHER SERVICE PADUCAH KY
443 AM CST WED FEB 29 2012

THE NATIONAL WEATHER SERVICE IN PADUCAH HAS ISSUED A

* TORNADO WARNING FOR...
WESTERN GALLATIN COUNTY IN SOUTHERN ILLINOIS...
SALINE COUNTY IN SOUTHERN ILLINOIS...
SOUTHEASTERN WILLIAMSON COUNTY IN SOUTHERN ILLINOIS...

* UNTIL 515 AM CST.

* **AT 438 AM CST...TRAINED WEATHER SPOTTERS REPORTED A TORNADO NEAR CREAL SPRINGS...OR 6 MILES SOUTHEAST OF MARION. DOPPLER RADAR SHOWED THIS TORNADO MOVING EAST AT 60 MPH.**

* **LOCATIONS IN THE WARNED AREA INCLUDE...**

HARRISBURG...ELDORADO...CARRIERS MILLS...EQUALITY...STONEFORT...
MUDDY AND RALEIGH.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

TO REPEAT...A TORNADO IS ON THE GROUND. TAKE COVER NOW. MOVE TO AN
INTERIOR ROOM ON THE LOWEST FLOOR OF A STURDY BUILDING. AVOID
WINDOWS. IF IN A MOBILE HOME...A VEHICLE OR OUTDOORS...MOVE TO THE
CLOSEST SUBSTANTIAL SHELTER AND PROTECT YOURSELF FROM FLYING DEBRIS.

TORNADOES ARE DIFFICULT TO SEE AND CONFIRM AT NIGHT. TAKE COVER NOW.

Tornado hit Harrisburg around 456 AM

Update

- 455 AM CST WED FEB 29 2012

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...A TORNADO WARNING REMAINS IN EFFECT FOR WESTERN GALLATIN AND CENTRAL SALINE COUNTIES IN SOUTHERN ILLINOIS UNTIL 515 AM CST...

- **AT 452 AM CST...TRAINED WEATHER SPOTTERS REPORTED A TORNADO. THIS TORNADO WAS LOCATED NEAR CARRIERS MILLS...OR NEAR HARRISBURG...MOVING EAST AT 60 MPH. PEOPLE IN HARRISBURG NEED TO TAKE COVER IMMEDIATELY!**

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PRECAUTIONARY/PREPAREDNESS ACTIONS...

TO REPEAT...A TORNADO IS ON THE GROUND. TAKE COVER NOW. MOVE TO AN INTERIOR ROOM ON THE LOWEST FLOOR OF A STURDY BUILDING. AVOID WINDOWS. IF IN A MOBILE HOME...A VEHICLE OR OUTDOORS...MOVE TO THE CLOSEST SUBSTANTIAL SHELTER AND PROTECT YOURSELF FROM FLYING DEBRIS.

TORNADOES ARE DIFFICULT TO SEE AT NIGHT. TAKE COVER NOW

- **Tornado hit Harrisburg around 456 AM**

- ...HARRISBURG & RIDGWAY TORNADO UPDATE...

THE FOLLOWING IS THE EXPECTED FINAL NWS DAMAGE ASSESSMENT FOR THE FEBRUARY 29 HARRISBURG ILLINOIS TORNADO.

* EVENT DATE - WEDNESDAY FEBRUARY 29 2012

* EVENT TIME - 451 AM CST AT CARRIER MILLS...TO 456 AM CST AT HARRISBURG TO 510 AM CST AT RIDGWAY.

* EVENT TYPE - EF4 TORNADO

* FATALITIES - 6 CONFIRMED

* INJURIES - APPROXIMATELY 100-110

* PEAK WIND - ESTIMATED 180 MPH (ADJUSTED UPWARD FROM INITIAL ESTIMATE OF 170 MPH (STRIP MALL DAMAGE). 180 MPH PEAK BASED ON NUMEROUS LEVELED AND DISPLACED HOMES.)

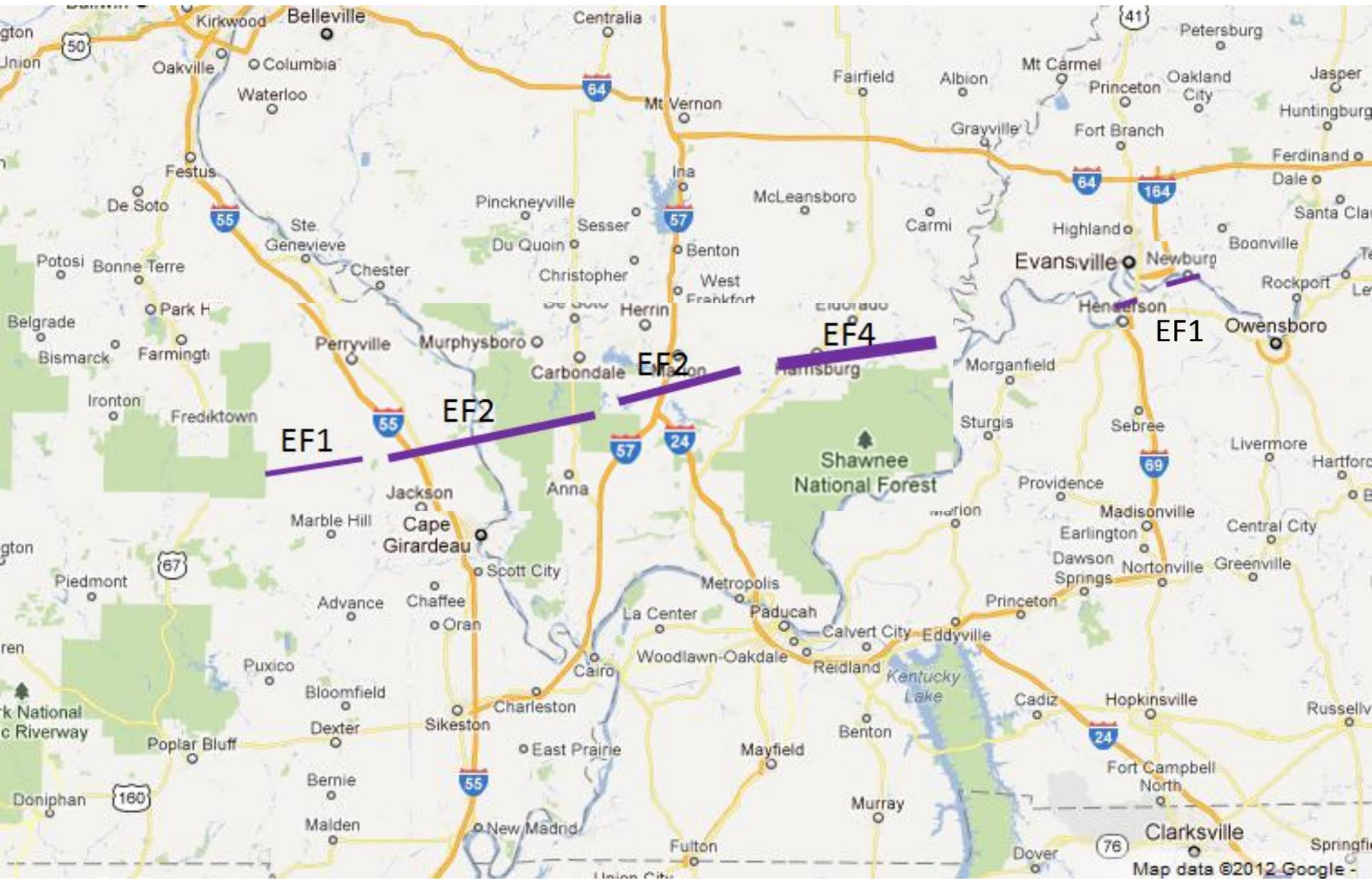
* AVERAGE PATH WIDTH - 275 YARDS (UPDATED FROM EARLIER 250 YARD AVERAGE WIDTH)

* TRACK LENGTH - 26.5 MILES FROM 1 MILE NORTH OF CARRIER MILLS ILLINOIS TO 4 MILES NORTHEAST OF RIDGWAY ILLINOIS. (UPDATED FOR EASTERN EXTENT OF PATH)

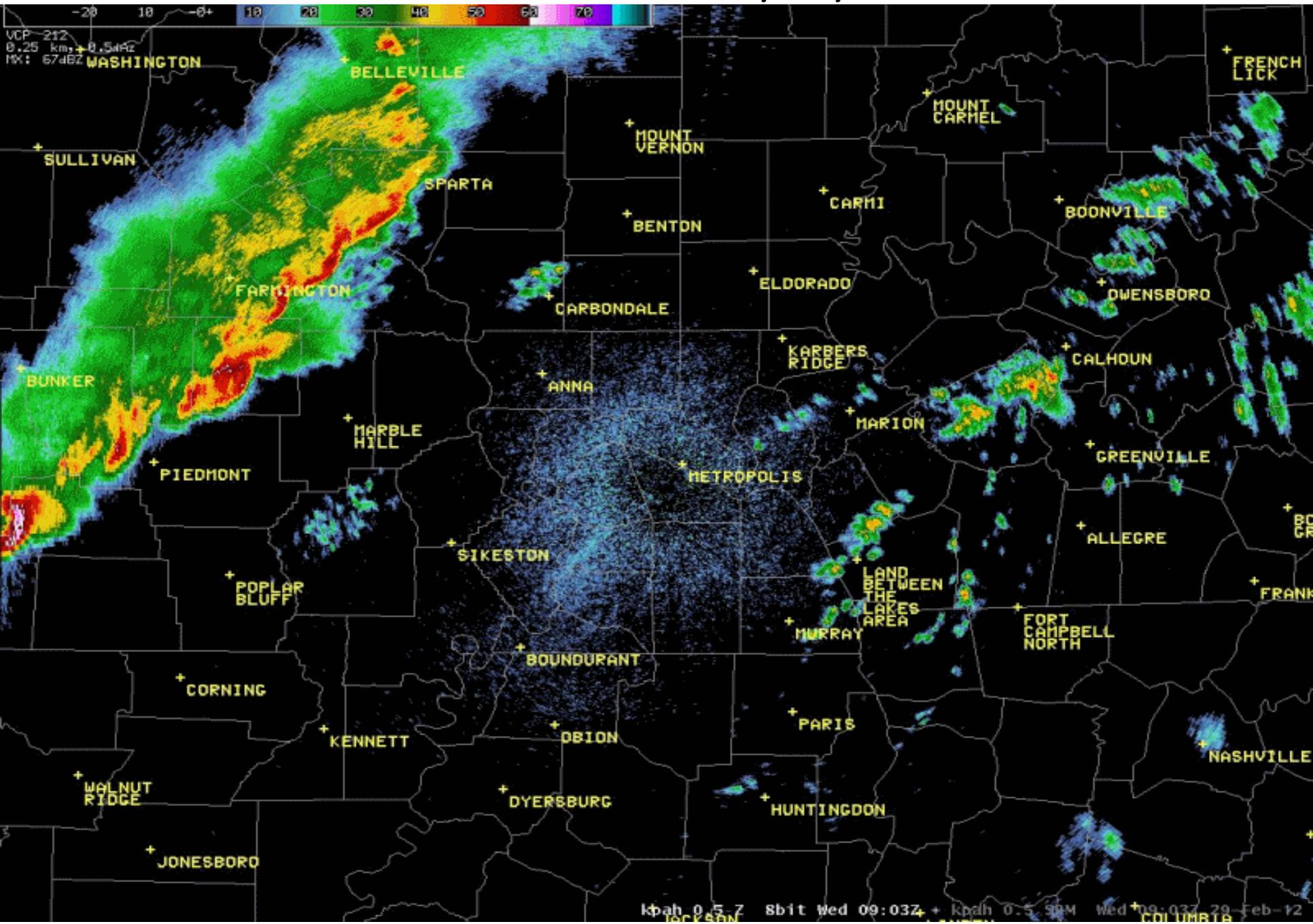
* DISCUSSION/DAMAGE - IN HARRISBURG...OVER 200 HOMES AND ABOUT 25 BUSINESSES WERE DESTROYED OR HEAVILY DAMAGED...INCLUDING A STRIP MALL DESTROYED ON THE EAST SIDE OF HWY 45. AT LEAST 10 HOMES OR OTHER BUILDINGS WERE LEVELED...WITH SEVERAL HOME STRUCTURES DISPLACED FROM THEIR FOUNDATIONS. HUNDREDS OF LARGE TREES SNAPPED OR UPROOTED ALONG WITH MANY POWER LINES DOWN. IN RIDGWAY...THE TORNADO DAMAGED ABOUT 140 HOMES AND BUSINESSES CAUSING 1 CRITICAL INJURY AND ABOUT A DOZEN RELATIVELY MINOR INJURIES. NUMEROUS CARS WERE TOSSED AROUND...MAINLY ON THE EAST SIDE RIDGWAY. A LARGE CHURCH BUILDING WAS COMPLETELY DESTROYED.

A HALF DOZEN GRAIN BINS WERE COMPLETELY DESTROYED ●

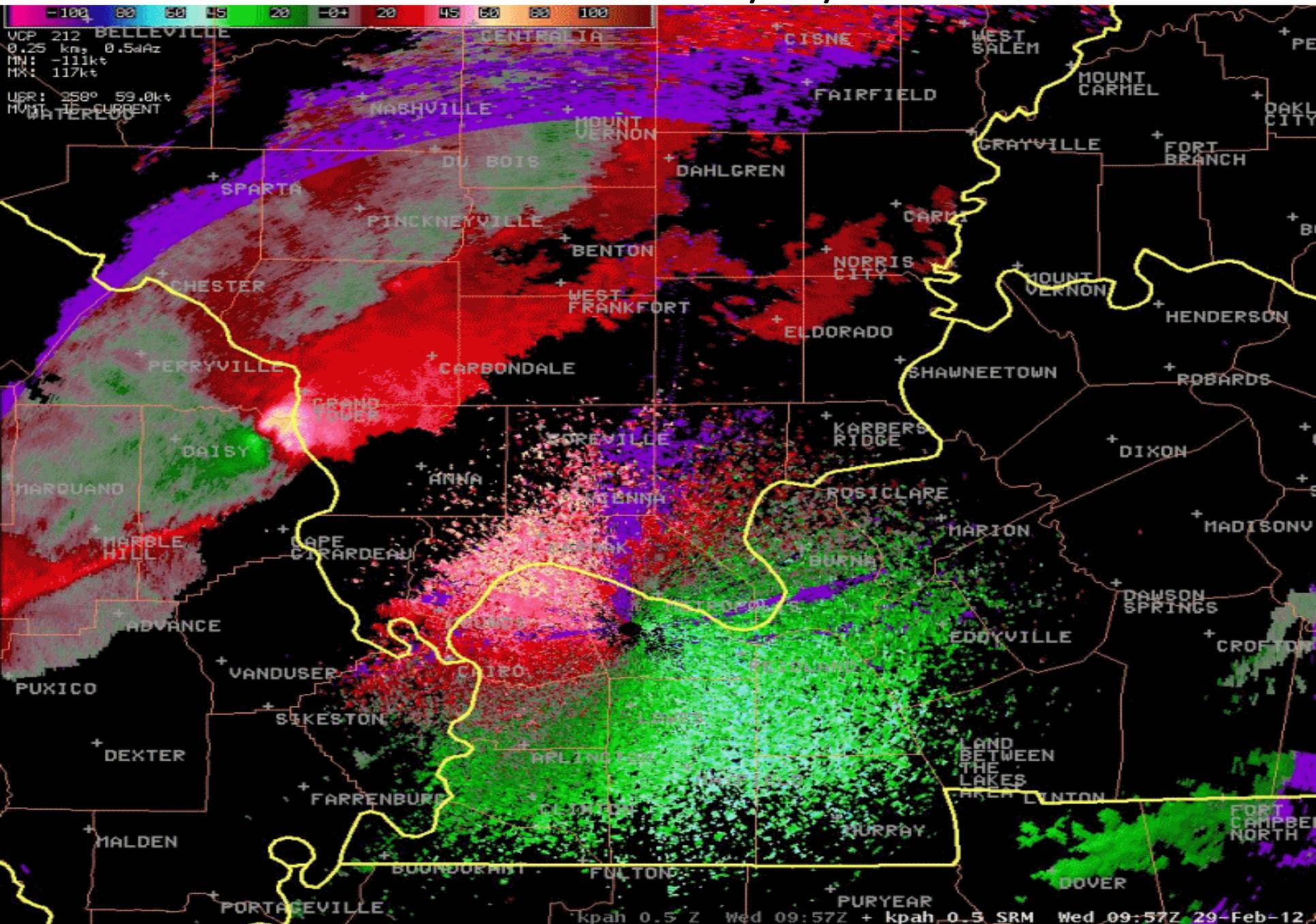
Tornado track Feb. 29th 2012



Paducah Radar 2/29/12



Paducah SRM 2/29/12

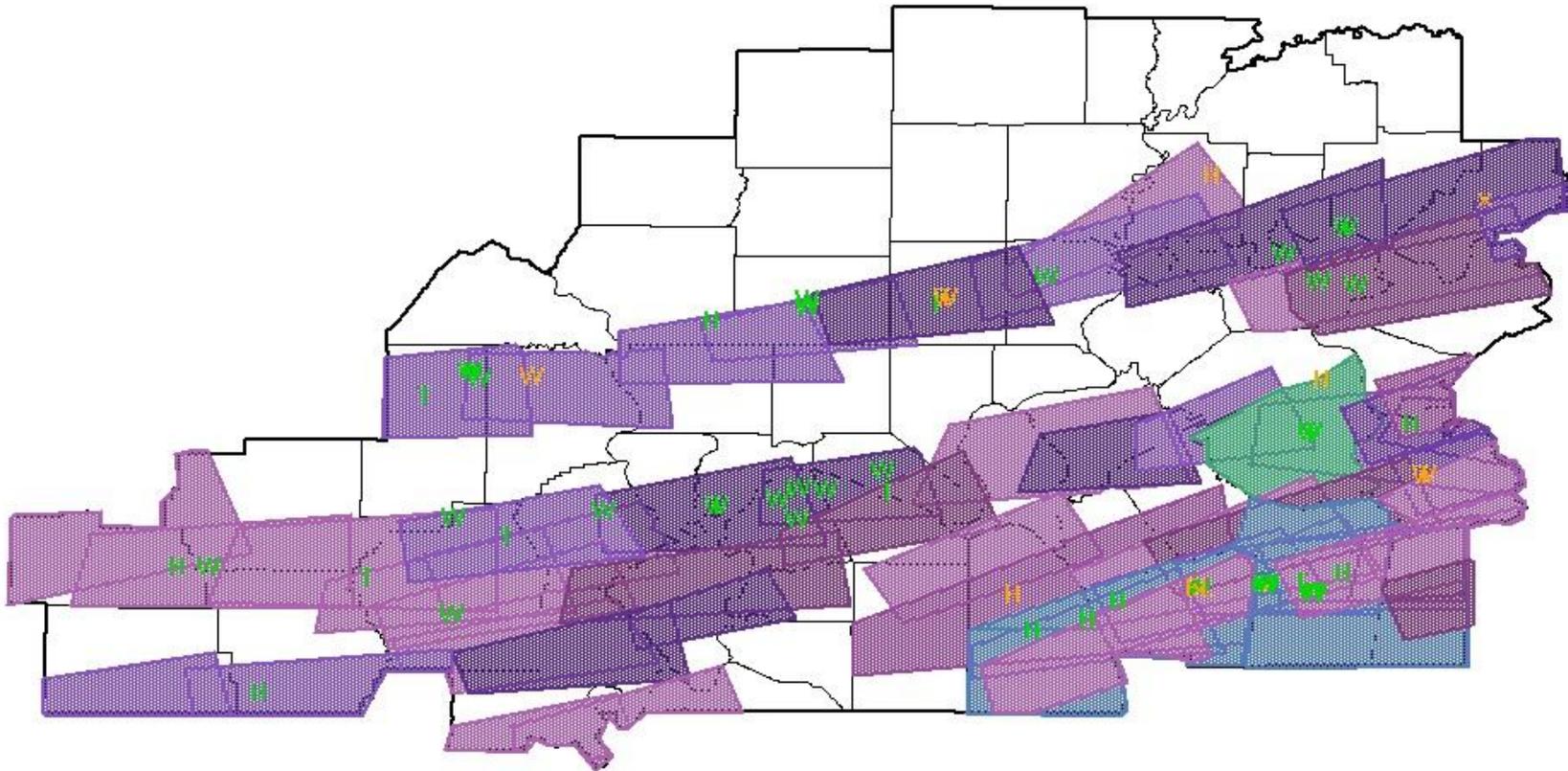


Polygons 2/29/12

All Polygons

Refresh Map

- KPAH.SV.W.01
- KPAH.SV.W.01
- KPAH.TO.W.01
- KPAH.SV.W.01
- KPAH.SV.W.01
- KPAH.TO.W.01
- KPAH.TO.W.01
- KPAH.TO.W.01
- KPAH.TO.W.01
- KPAH.SV.W.01
- KPAH.TO.W.01
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- KPAH.SV.W.01
- KPAH.SV.W.01













Catholic Church Ridgway IL



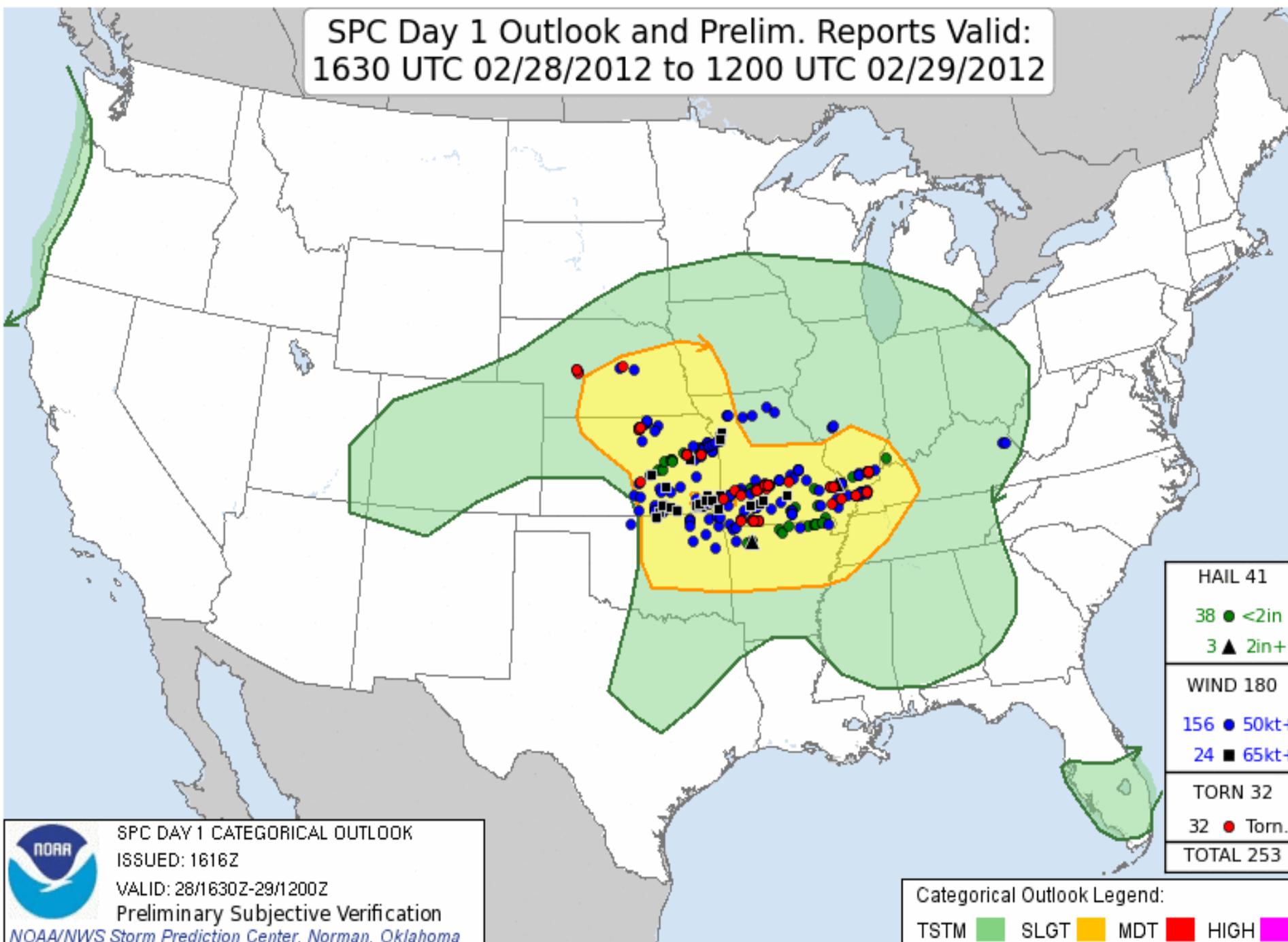
Catholic Church Ridgway IL



Photo by Steve Jahnke



SPC Day 1 Outlook and Prelim. Reports Valid:
1630 UTC 02/28/2012 to 1200 UTC 02/29/2012



HAIL 41

38 ● <2in

3 ▲ 2in+

WIND 180

156 ● 50kt+

24 ■ 65kt+

TORN 32

32 ● Torn.

TOTAL 253



SPC DAY 1 CATEGORICAL OUTLOOK
ISSUED: 1616Z
VALID: 28/1630Z-29/1200Z
Preliminary Subjective Verification
NOAA/NWS Storm Prediction Center, Norman, Oklahoma

Categorical Outlook Legend:
TSTM ■ SLGT ■ MDT ■ HIGH ■

Break for Google Earth



IMET/DSS Program

- When a NWS IMET/DSS goes to an incident, the incident gets more than just one IMET, it gets the entire NWS team.
- IMET/DSS Forecaster
- Local Weather Forecast Office
- Regional Office
- National Office
- National Centers of excellence (HPC, CPC, SPC, etc.)
- 5-10 sets of eyes on an incident at any one time.

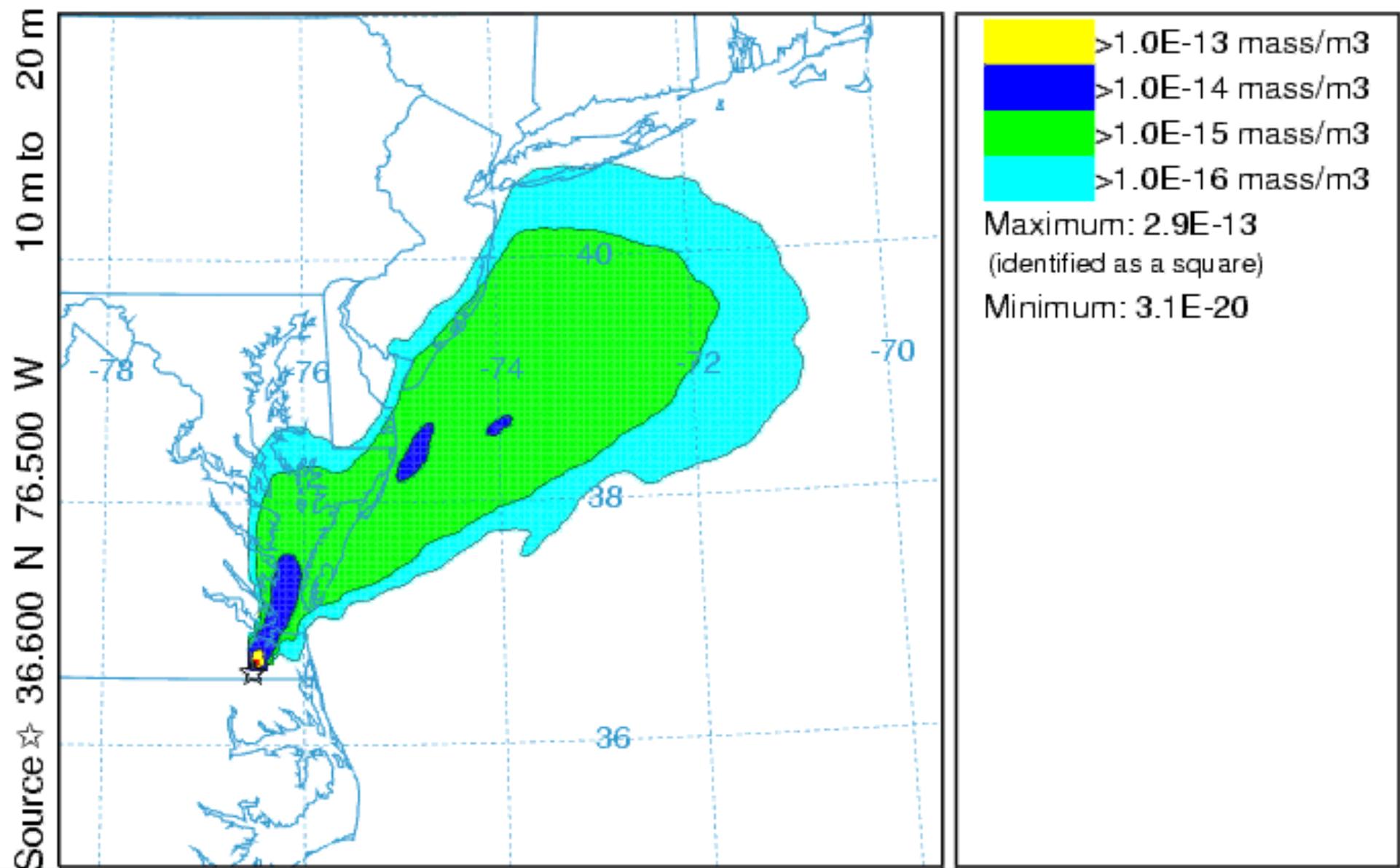
I-29 flooding Red River Fargo ND

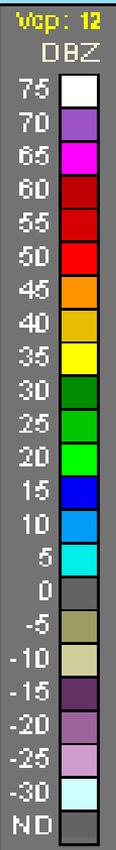
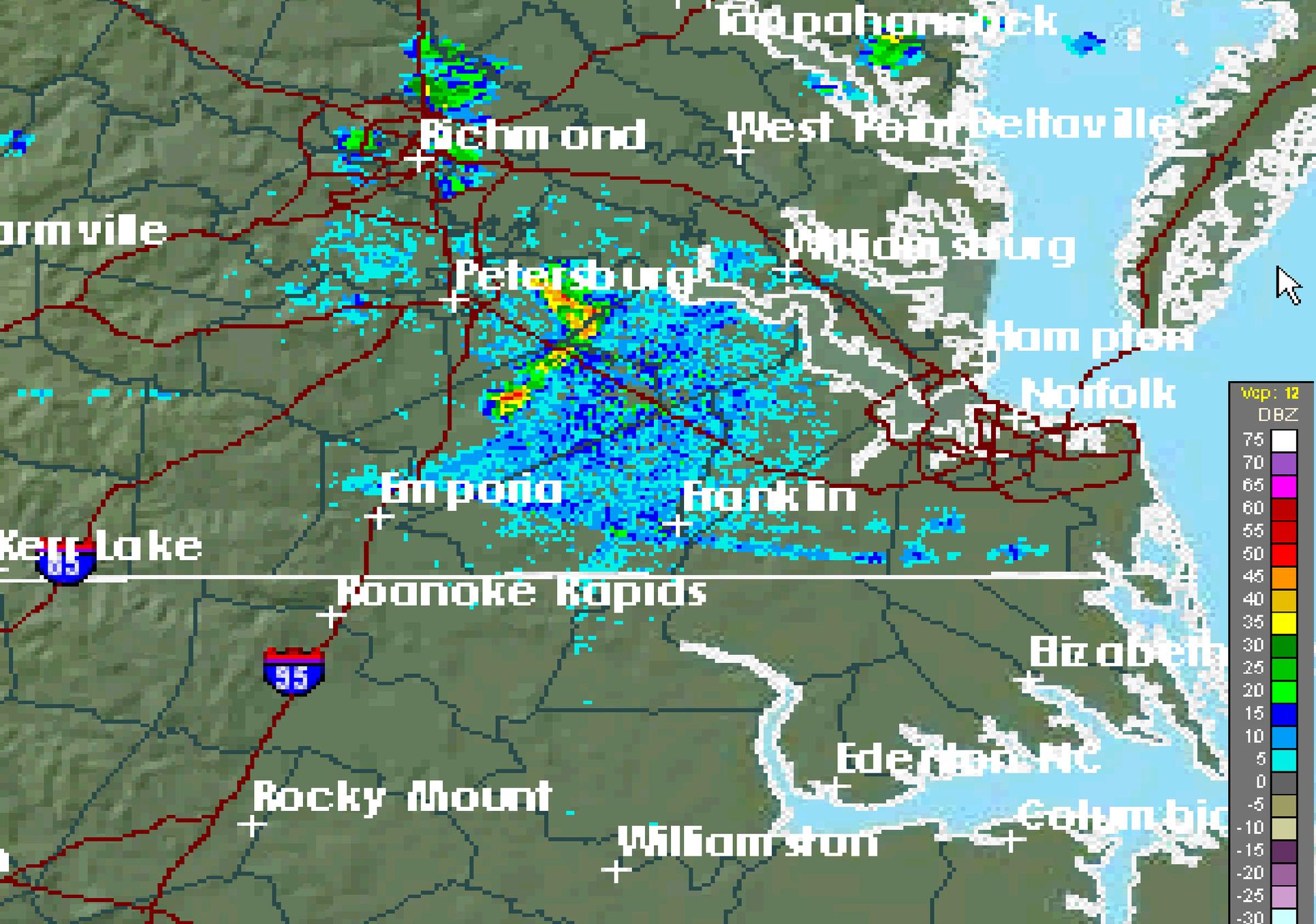
2 drowning's



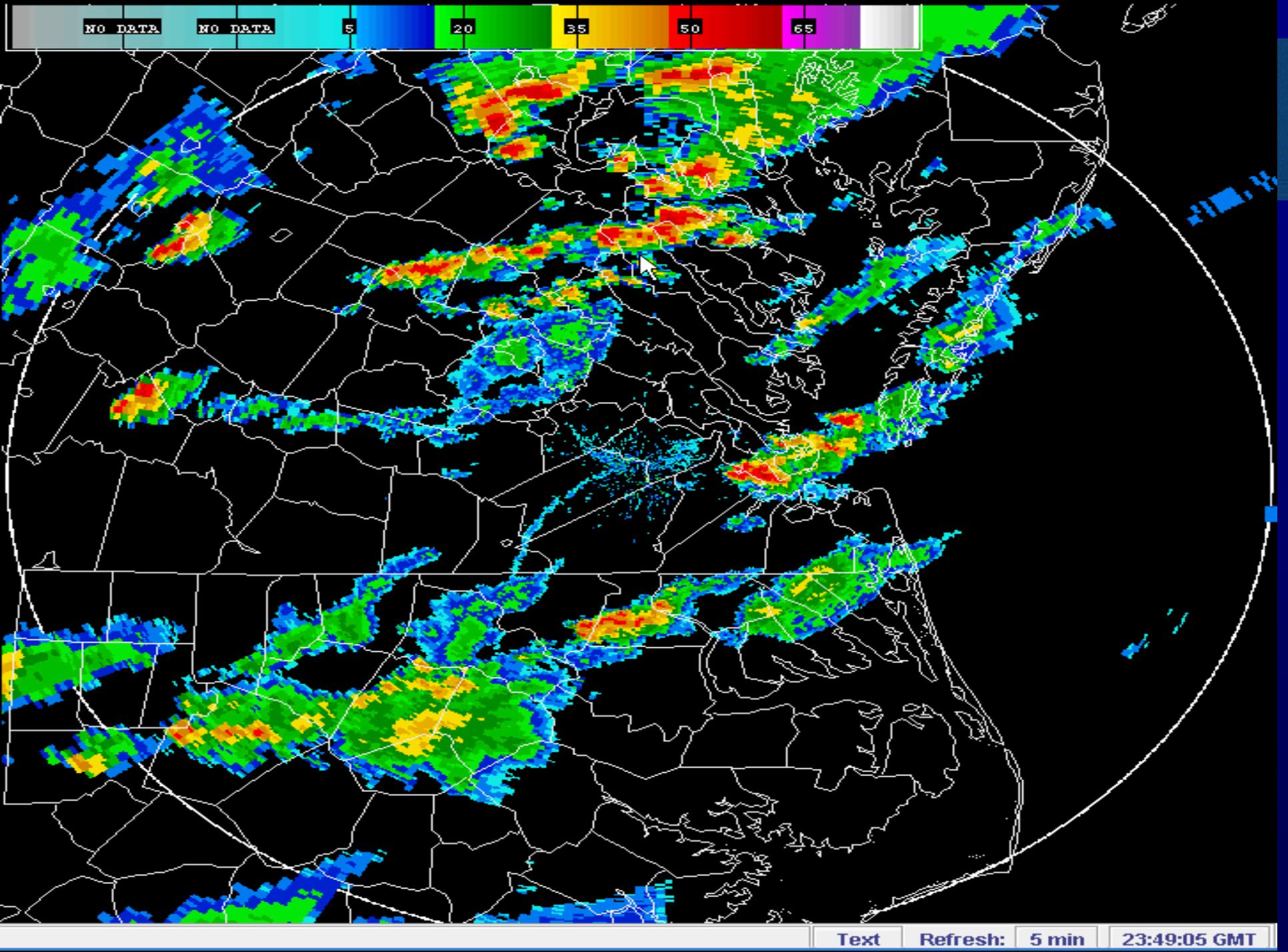
NOAA HYSPLIT MODEL

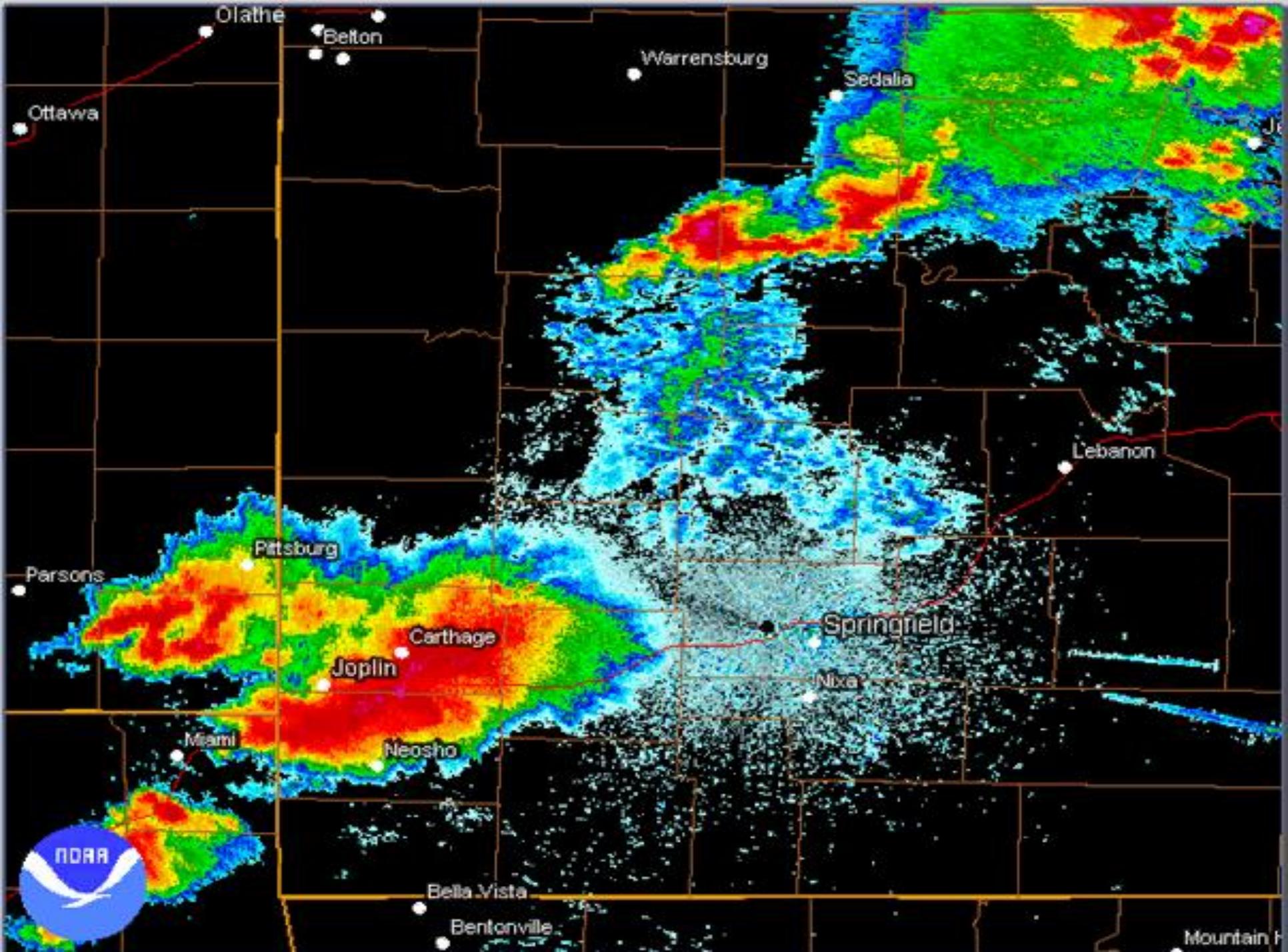
Concentration (mass/m³) averaged between 0 m and 500 m
Integrated from 1900 14 Jun to 2200 14 Jun 08 (UTC)
Release started at 0000 14 Jun 08 (UTC)

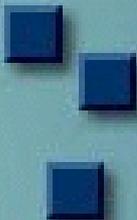




Warnings: Tornado Severe Thunderstorm Flash Flood Special Marine

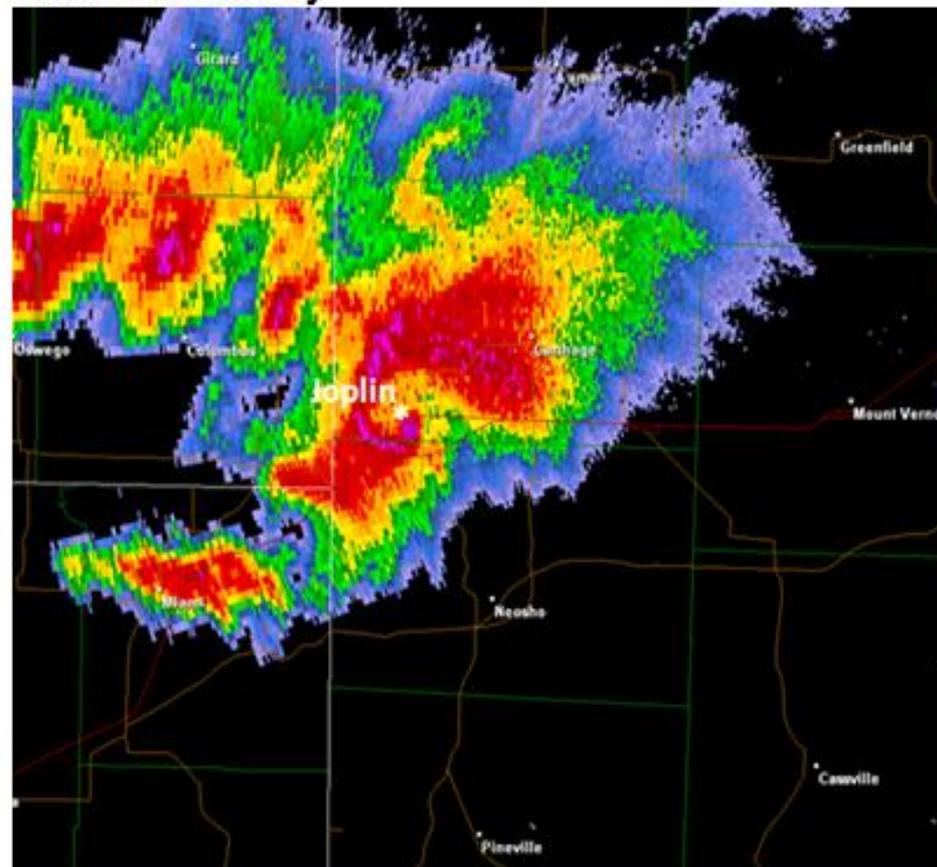




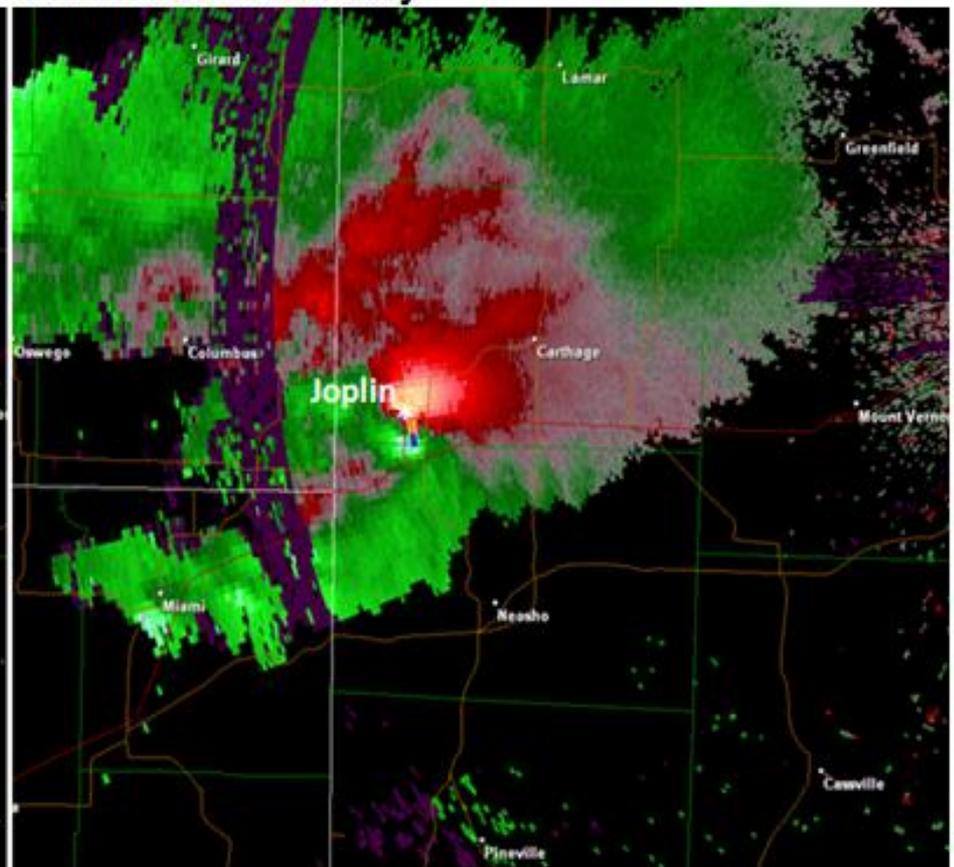


543 PM

Radar Reflectivity

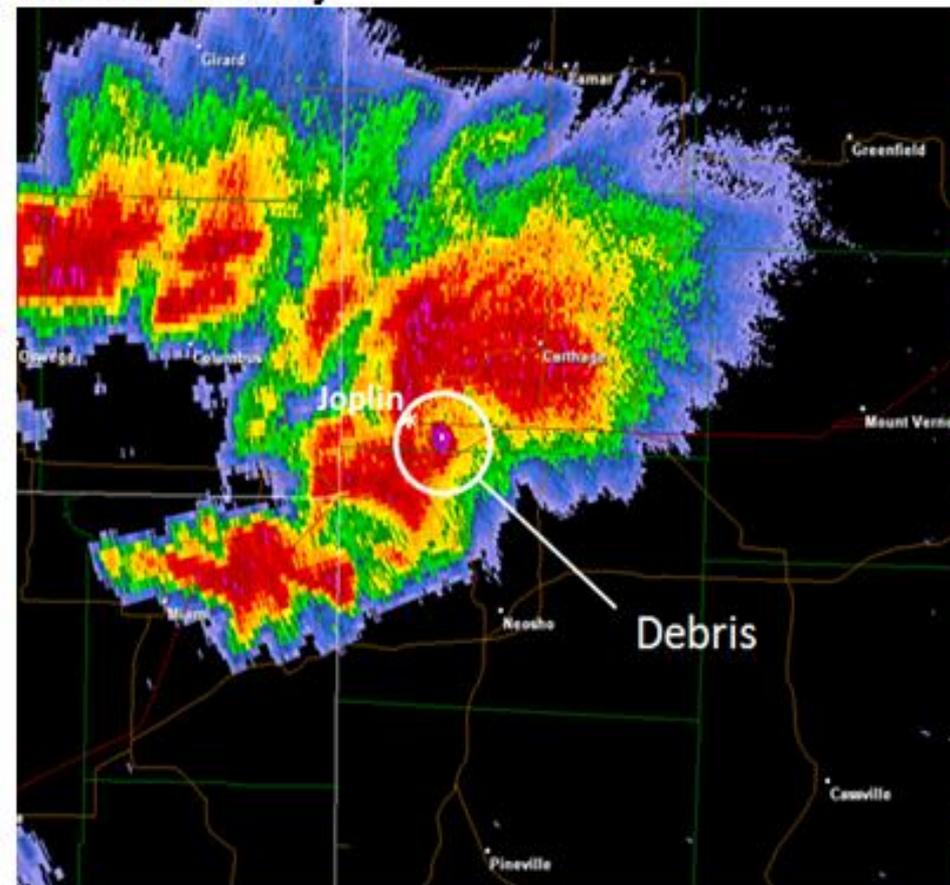


Storm Relative Velocity

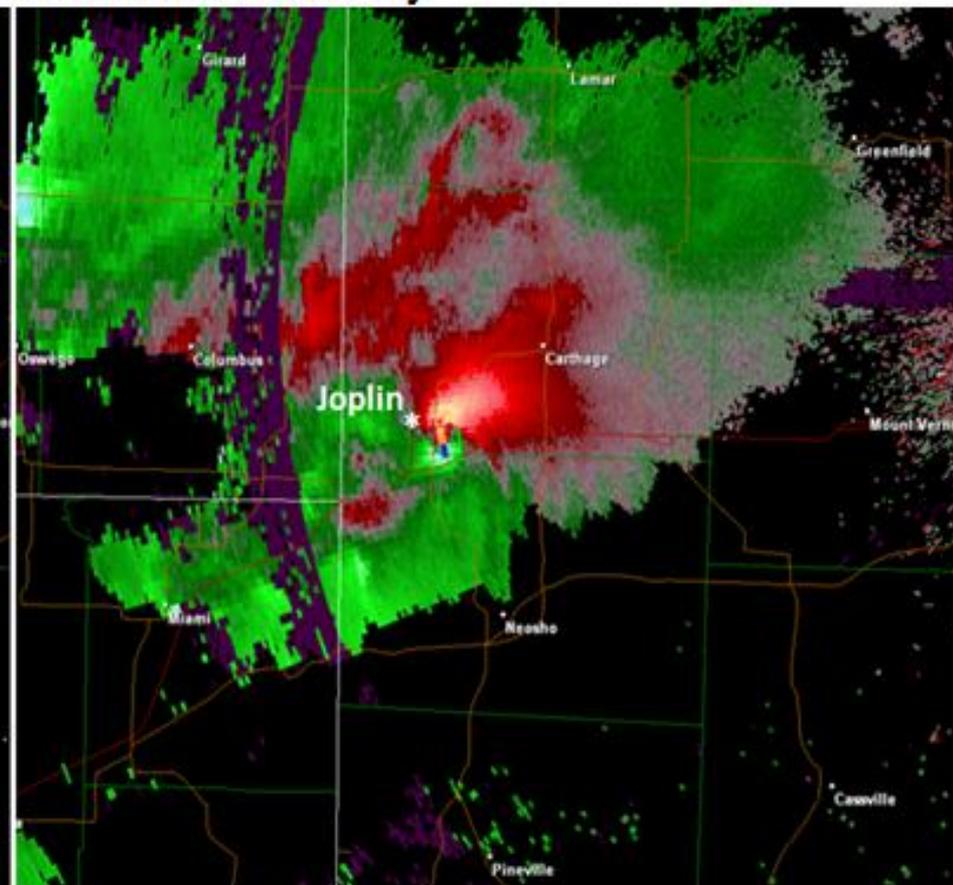


548 PM

Radar Reflectivity



Storm Relative Velocity



What is DSS?

- How does it work?
- What can it do for me?
- When can this resource be activated?
- How much does it cost?
- Who can request DSS?
- What can DSS provide in addition to the WFO?

Warning Criteria for a WFO

- Wind 58 mph or greater.
- Hail 1" or greater.
- Tornado.
- Flooding...1" hour or greater in this region.

Warning Criteria for an Incident

- Very fluid...each incident is unique and needs change over time.
- Any lightning...Any rainfall...Any hail can destroy rotors.
- Wind shifts...or Winds 35 mph...debris...tents.
- UV index...solar radiation.
- Heat index for responders in containment suits.
- Aviation forecasts for the incident.

Forecast from the WFO vs. On site Met

WFO Forecast

- Tonight Partly cloudy with a showers and thunderstorms likely. Low around 61. East wind 5 to 15 mph becoming northeast after midnight. Chance of precipitation 60%.

Incident Forecast

- **WEATHER:** Mostly cloudy...numerous (80%) showers and thunderstorms mainly between 1800 and 2400 hours.
- **TEMPERATURES:** Low 55 to 60 or little change from last night.
- **HUMIDITY:** 80% for areas that receive rain.
- **20 FT WINDS:**
- **SLOPE/VALLEY** -...East 10 to 15 mph...gusting to 45 mph near storms ...shifting northwest around 2000...then northeast around 2300.
- **RIDGETOP** -.....Northeast 10 to 20 mph becoming east overnight.
- **HAINES INDEX:**.....3.
- **CWR:**.....50%
- **LAL:** 4.....16 to 25 strikes/15 min/cell.
- **STABILITY/INVERSION:** Strong inversion setting up around 5 thousand feet overnight.

...Weather Update... 1300 7/5/12

- For the rest of this afternoon.
- Scattered showers...mainly sprinkles were passing across the incident...these showers produced a 46 mph wind gust at the Colstrip airport. These showers are well out ahead of the main cold front but could develop over the incident at anytime and produce strong erratic wind gusts with little to no warning.

...Weather Update ... 1500 7/5/12

- East winds 10 to 15 gusting to 20 mph will become more southeast through late afternoon.
- Temperatures will top out 95-100 degrees this aftn.
- RH was running about 10% higher than yesterday on most ob sites and should bottom out in the 20-25% range.
- No significant rain showers or thunderstorms were headed toward the incident at this time but are expected to develop late this afternoon and evening.
- Moisture was increasing but the best chance of showers or storms will be after 1700 hours.

...Weather Update... 7/5/12 1650

- The thunderstorms were near the south end of the ash creek fire. The storms were starting to take a more northerly path at 30 mph. If the storms hold together they will move over or near the ash creek fire between 1650 and 1730. Radar was indicating at least some small hail at times with a few cloud to ground lightning strikes.
- More storms were developing farther south and may affect the area in the next couple hours.

...Weather Update...

7/5/12 1740

- The thunderstorms that were moving across the complex had died. Another round of storms was developing south of the area and could affect the complex as early as 1830 hours.

...Weather Update... 7/5/12 1930

- Showers were developing over the fire and should continue to pass over the area through 2200. Coverage was not solid but the overall size was increasing. Thunderstorms could develop as the showers persist. A tenth to a quarter inch storm total will be possible. Isolated higher amounts can be expected with any thunderstorms.

...Weather Update... 7/5/12 2040

- The main band of showers will be out of the area by 2200. There may be some scattered showers overnight but the main threat will be out of the area by 2200.
- If you get any rainfall measurements please relay them to ICP.

...Weather Update... 7/5/12 2200

- The main threat of rain has ended. The showers and storms had exited the area for the night.

Great example of why we are here...

Parsons Manufacturing 120-140 employees inside

July 13, 2004
Roanoke, IL



F4 Tornado – no injuries



Weather Radios: Everyone is responsible for their own safety!

Everyone should have a NOAA Weather Radio and have it programmed correctly and turned ON!

Would the fate of the 25 people killed in Evansville, IN be different if they owned one?

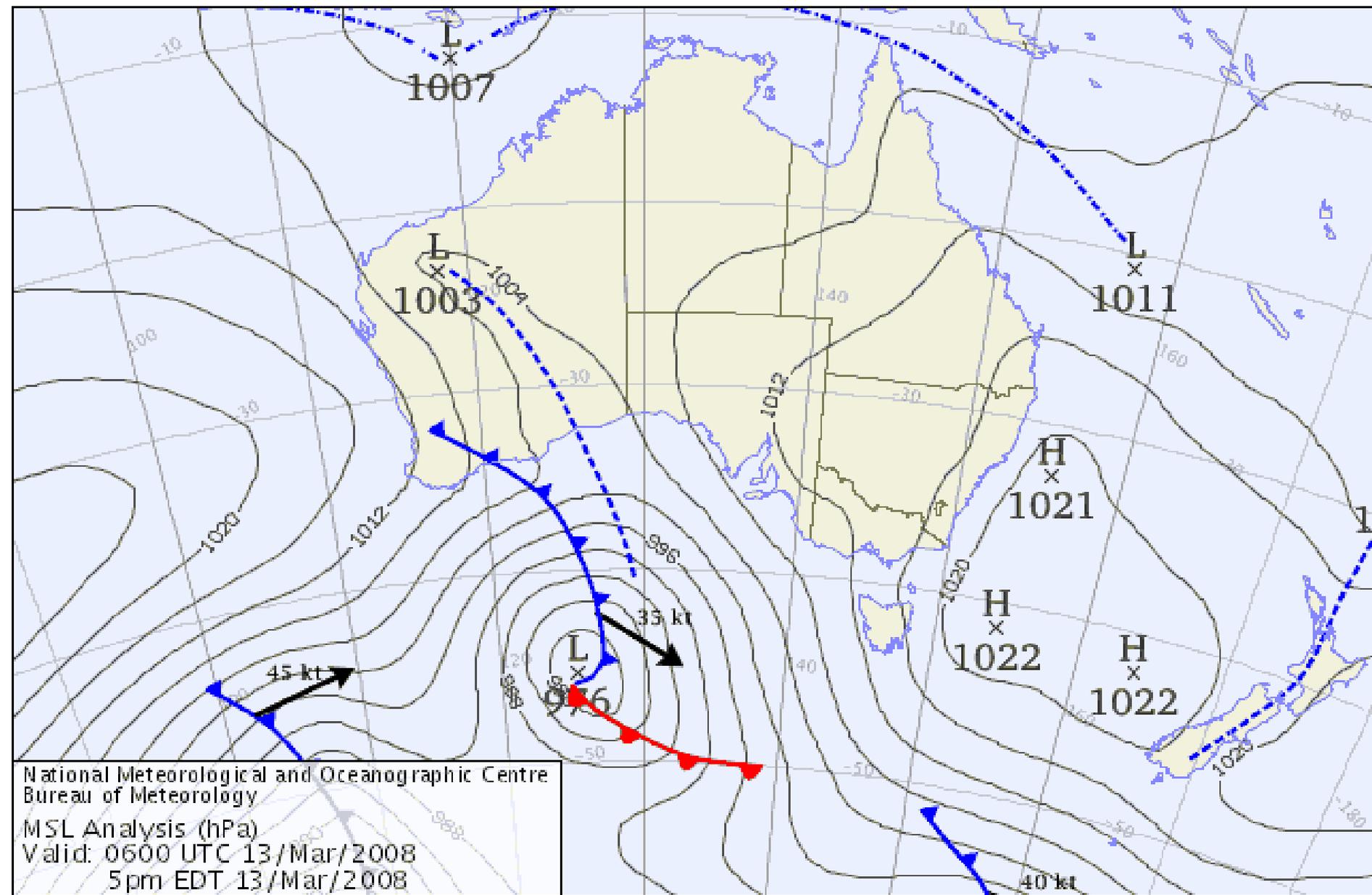
Eastbrook Mobile Home Park – Nov. 6 2005 F3 Tornado



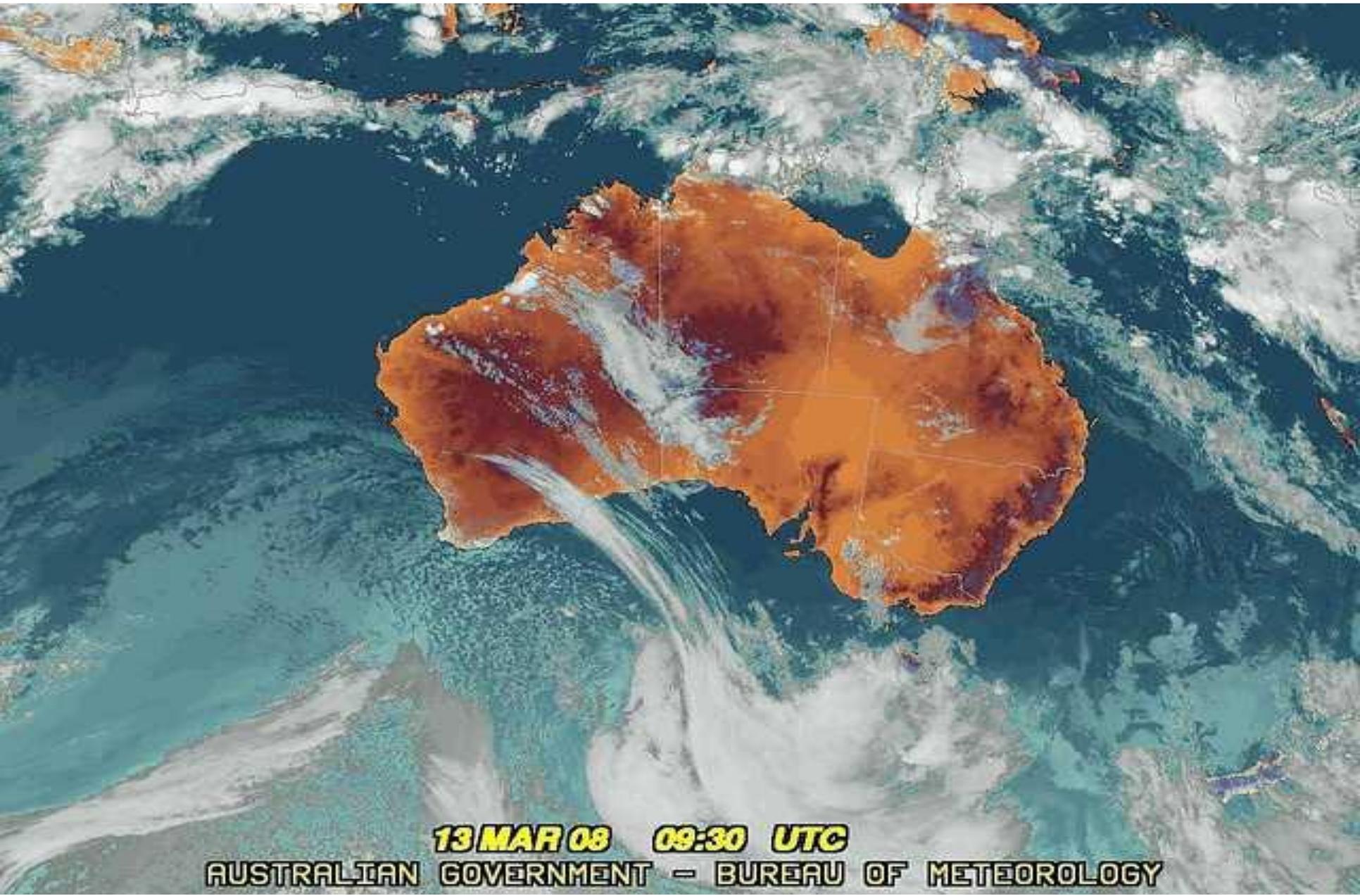
IMET/DSS Program

- When a NWS IMET/DSS goes to an incident, the incident gets more than just one IMET, it gets the entire NWS team.
- IMET/DSS Forecaster
- Local Weather Forecast Office
- Regional Office
- National Office
- National Centers of excellence (HPC, CPC, SPC, etc.)
- 5-10 sets of eyes on an incident at any one time.

Forecasting 'Down under'



Forecasting 'Down under'



13 MAR 08 09:30 UTC

AUSTRALIAN GOVERNMENT - BUREAU OF METEOROLOGY



Bushfires on the Eastern Shore of Hobart - 12 October 2006

Southern CA wildfire



A photograph of a forest at night. The trees are dark silhouettes against a bright, orange and yellow fire in the background. The fire is intense and appears to be a large fire burning in a field or clearing, with flames reaching up and illuminating the surrounding trees. The overall scene is dramatic and somewhat ominous.

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Incident Meteorologist