Tornado event in Effingham, Jasper, and Crawford Counties

By: Chris Lippold
18Z 40KM NAM Forecast

- At 850 MB: A weakening 40KT jet streak stretching from southern Minnesota into central Wisconsin at 18Z was forecast to dissipate mostly by 0Z. A strengthening jet streak in southern Missouri of 30KT was forecast to move west into central Kentucky and Tennessee increasing to 40KT by 0Z.

- At 500 MB: A 60KT jet streak across northern Missouri was forecast to move west and weaken to 50KT by 0Z. A second 60 kt jet streak across eastern Texas to Western North Carolina at 18Z was forecast to move eastward by 0Z.

- At 300 MB: A 100KT jet streak across the southeast at 18Z was forecast to move east and weaken slightly by 0Z.
Upper Level Wind and Precipitation Forecast at 18Z from 18Z 40KM WRF
Upper Level Wind and Precipitation Forecast at 21Z from 18Z 40KM WRF
Upper Level Wind and Precipitation Forecast at 00Z from 18Z 40KM WRF
18Z HPC Fronts SLP And 12KM NAM Temp
21Z HPC Fronts SLP And 12KM NAM Temp
18Z 12KM NAM forecast for Fayette County to Crawford County

- **18Z:** 850 winds were 15-20KT, 500 winds were 45-50KT, and CAPE was 1200 J/KG to 1950 J/KG east to west.
- **21Z:** 850 winds were 25-30KT, 500 winds were 45-50KT, and CAPE was 1700 J/KG to 2540 J/KG west to east.
- **00Z:** 850 Winds were 25-30KT, 500 winds were 40-45KT, and CAPE was 1300 J/KG to 2300 J/KG north to south.
Divergence

And 0Z

300 MB
Divergence
18Z 21Z
And 0Z
500 MB
Vorticity
Advection
Timeline

• 19:11z: original cell developed in Madison county

• 21:49z: 1IN hail in Effingham

• 22:05z: 0.75 IN hail 2 miles North of Elliottstown in Effingham county

• 22:09z-22:12z: 1.75IN hail 2 miles west of Wheeler to Island Grove in Jasper county.

• 22:09z-22:19z: First F2 tornado of cell tracked from 5 miles southwest of Dietrich to 2 miles south of Dietrich in Effingham County.
Timeline Cont.


- 22:55z: 1.25 IN hail in Oblong in Crawford county

- 23:05z: 1 IN hail 3 miles south of Annapolis in Crawford County

- 23:09z: F0 briefly touched down in field 5 miles southwest of Robinson. No damage or injuries reported.
VWX Reflectivity 2140z-2333z
VWX Velocity 2148z-2333z
Storm Southeast of Wheeler
Wheeler Damage
Southwest Of Robinson
SPC Storm Reports for 04/16/06
Map updated at 1207Z on 04/23/06

TORNADO REPORTS... (24)
WIND REPORTS/HI..... (28/1)
HAIL REPORTS/LG..... (67/1)
TOTAL REPORTS....... (119)

- High Wind Report (65KT+)
- Large Hail Report (2" dia. +)

National Weather Service
Storm Prediction Center
Norman, Oklahoma

PRELIMINARY DATA ONLY