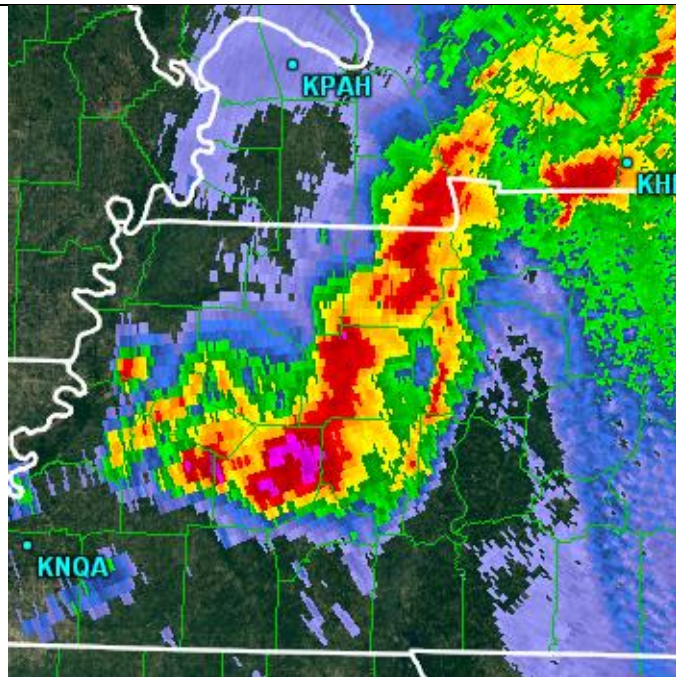


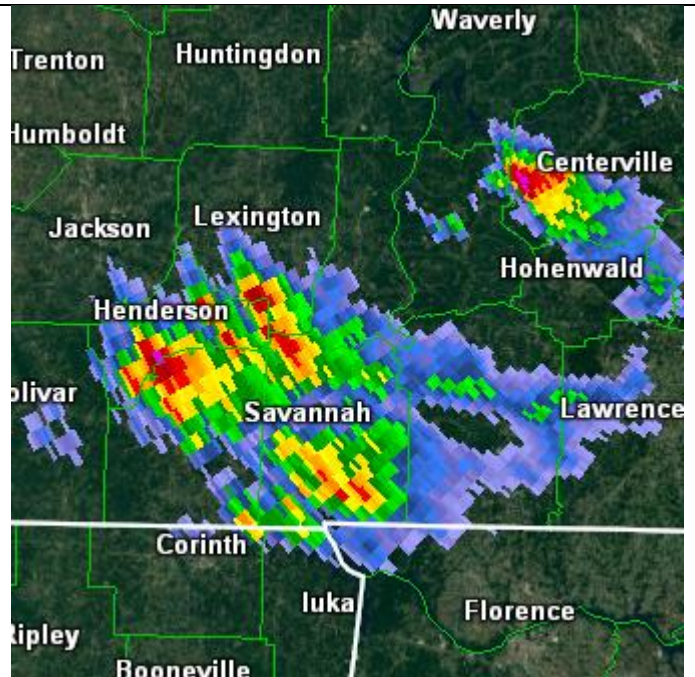
Log of manually assigned tornadic convective modes using NEXRAD level II radar

Key: Convective mode, date of tornado, time of tornado, latitude and longitude of tornado initiation

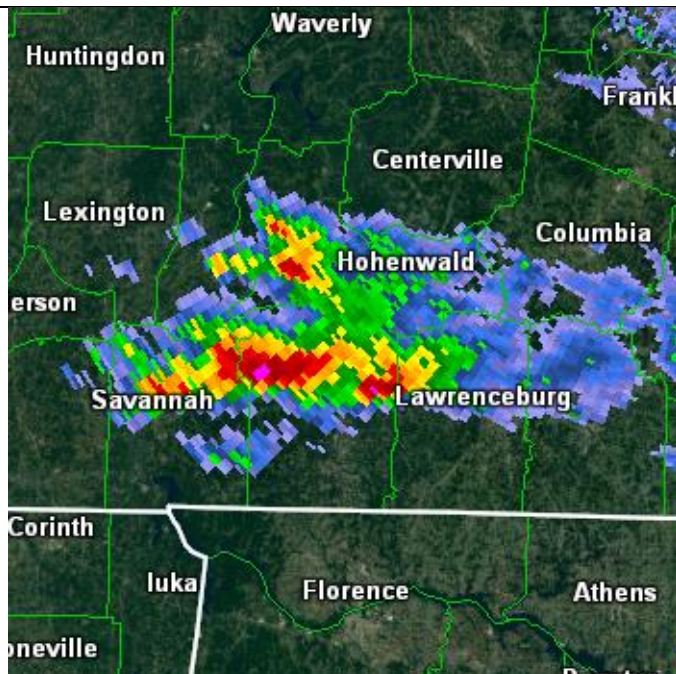
All dates, times, latitudes, and longitudes are from the Storm Prediction Center tornado record. Any times and dates in (parentheses) indicate manual assessment of a more accurate tornado initiation time, based on radar evidence.



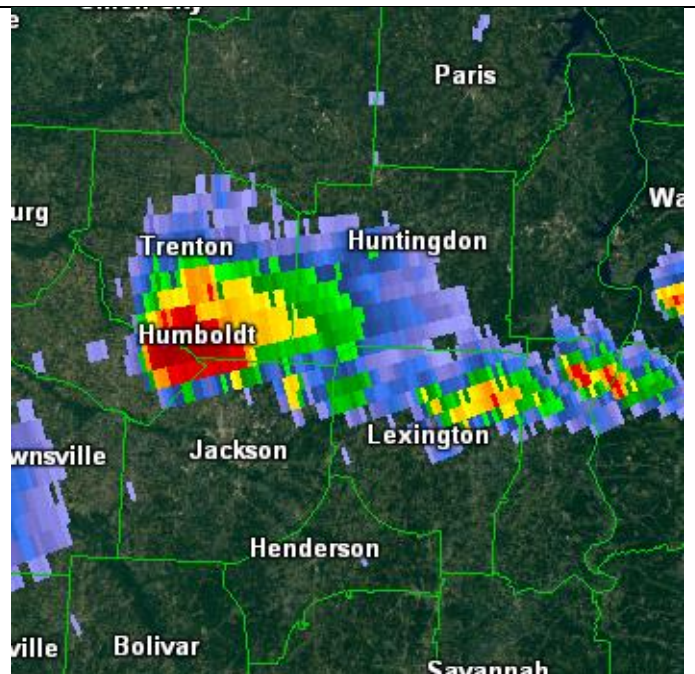
Cell in line, 5 May 2003, 0443 UTC,
35.48° N, 88.93° W



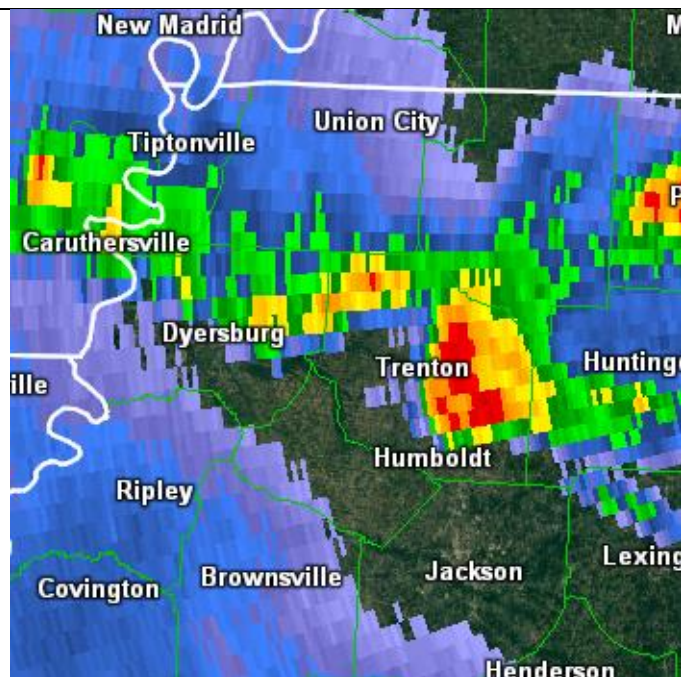
Cell in cluster, 5 May 2003, 1405 UTC,
35.03° N, 88.57° W



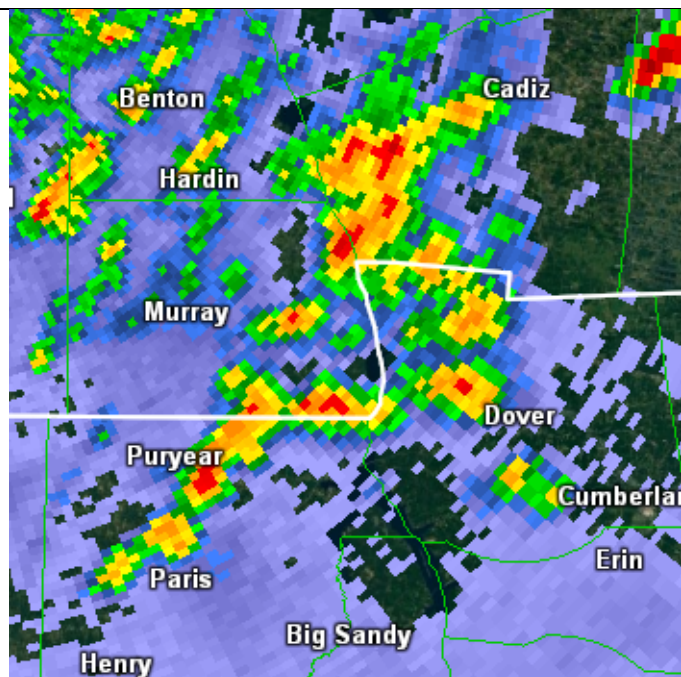
Cell in cluster, 5 May 2003, 1450 UTC,
35.22° N, 88.32° W



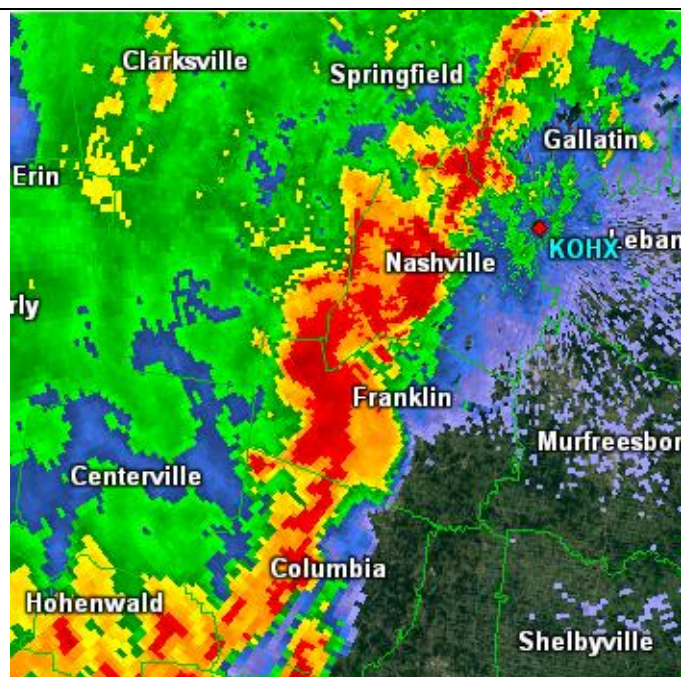
Discrete supercell, 5 May 2003, 1826 UTC,
35.82° N, 88.92° W



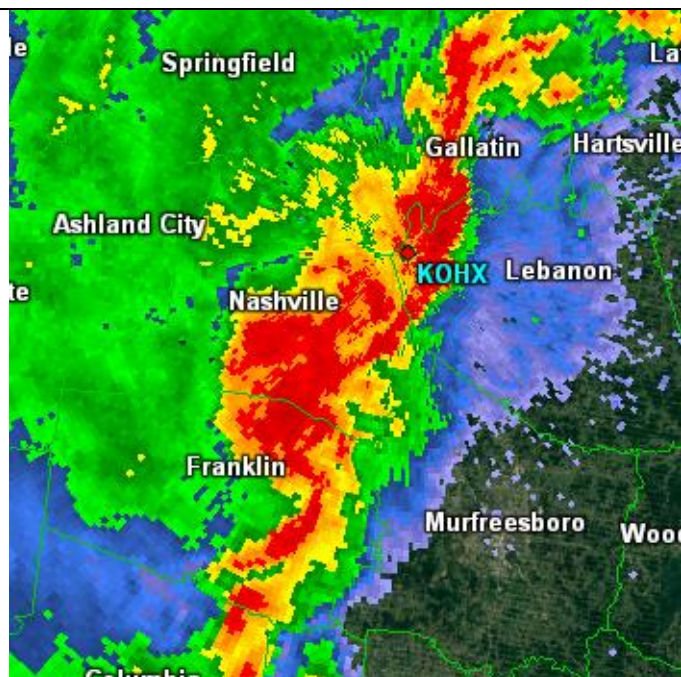
Cell in cluster, 6 May 2003, 0015 UTC,
35.87° N, 88.85° W



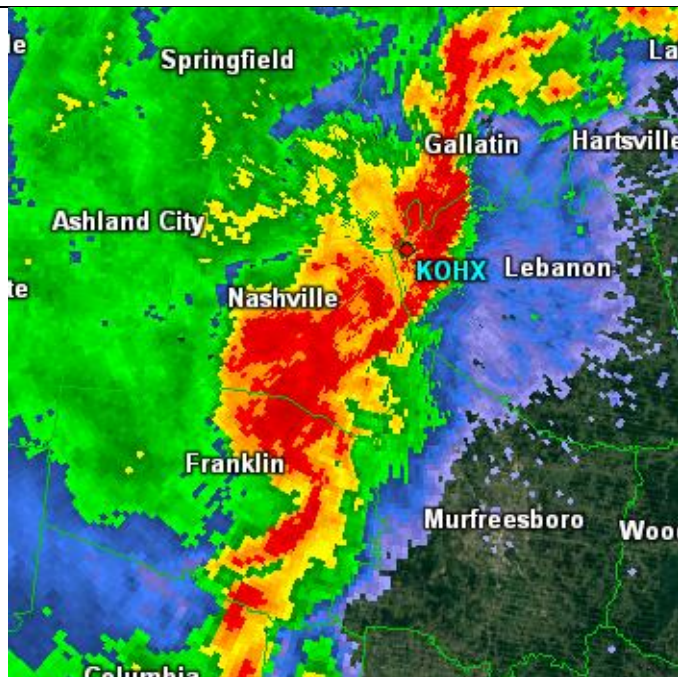
Cell in cluster, 7 May 2003, 0425 UTC,
36.48° N, 88.15° W



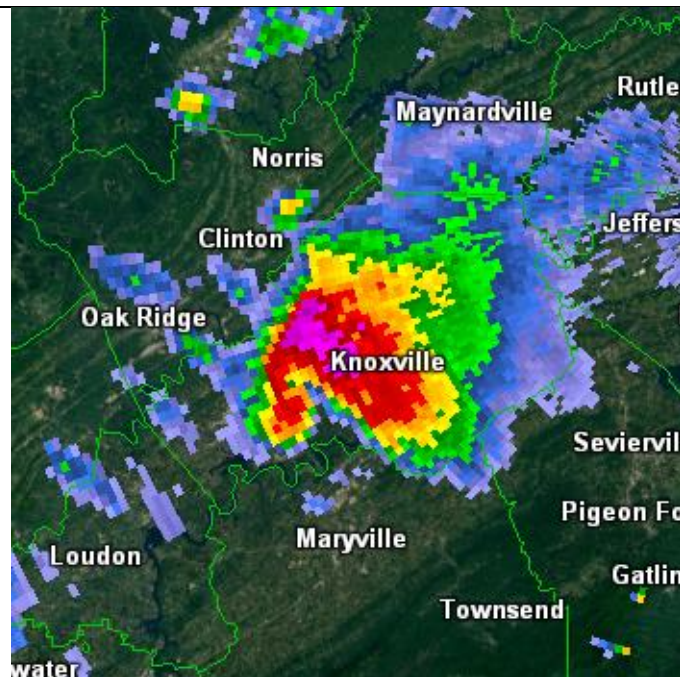
Cell in line, 11 May 2003, 0812 UTC,
36.18° N, 86.77° W



Cell in line, 11 May 2003, 0830 (0825) UTC,
35.93° N, 86.70° W



Cell in line, 11 May 2003, 0840 (0825) UTC,
36.37° N, 86.50° W



Discrete supercell, 15 May 2003, 2110 UTC,
35.90° N, 84.02° W



Cell in line, 15 November 2005, 2210 UTC,
36.30° N, 87.68° W



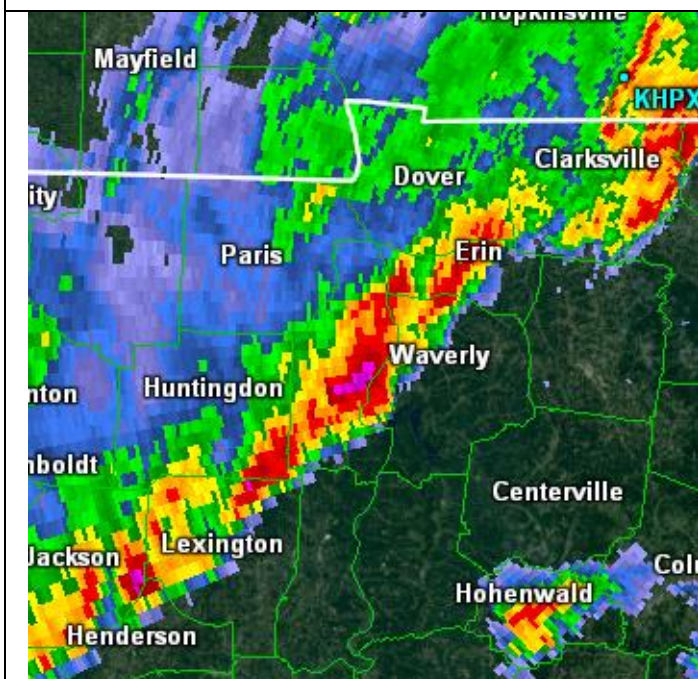
Cell in line, 15 November 2005, 2235 UTC,
36.35° N, 87.52° W



Cell in line, 15 November 2005, 2236 UTC,
36.38° N, 87.42° W



Cell in line, 15 November 2005, 2237 UTC,
36.40° N, 87.38° W



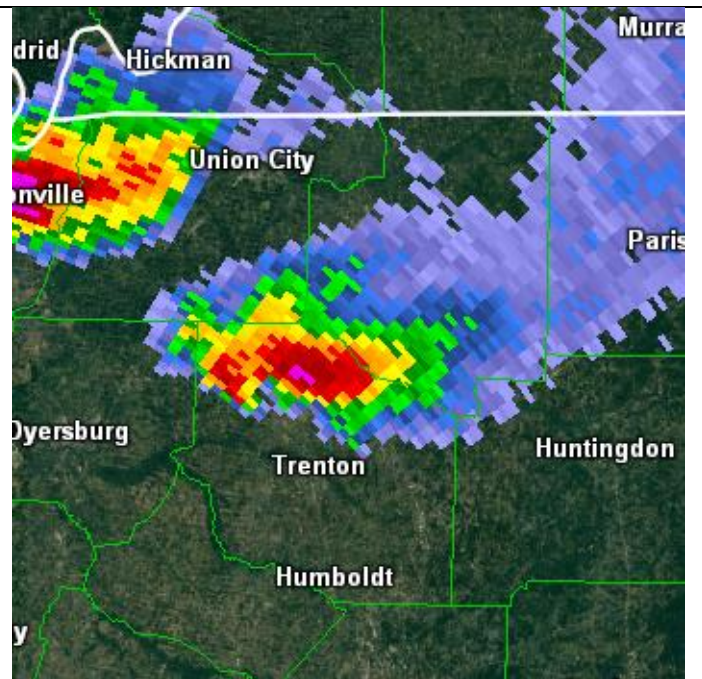
Cell in line, 15 November 2005, 2255 UTC,
35.98° N, 88.00° W



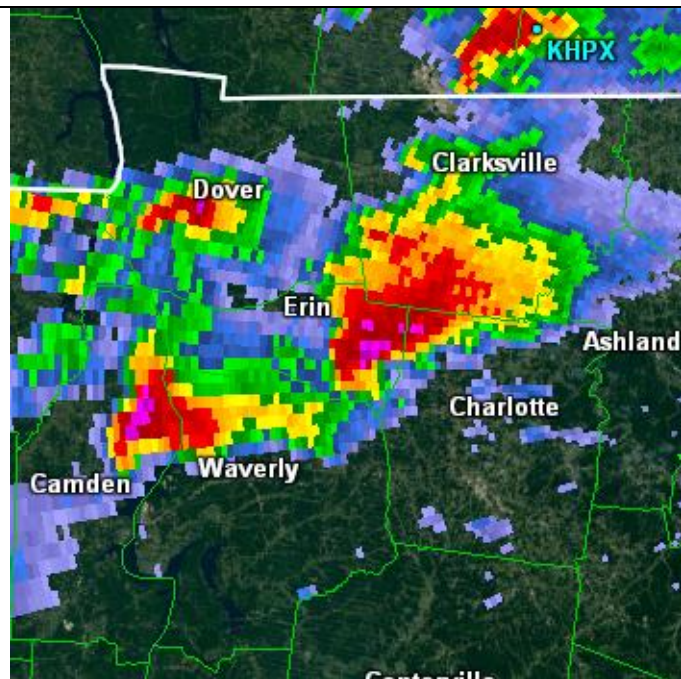
Cell in line, 15 November 2005, 2340 UTC,
36.22° N, 87.37° W



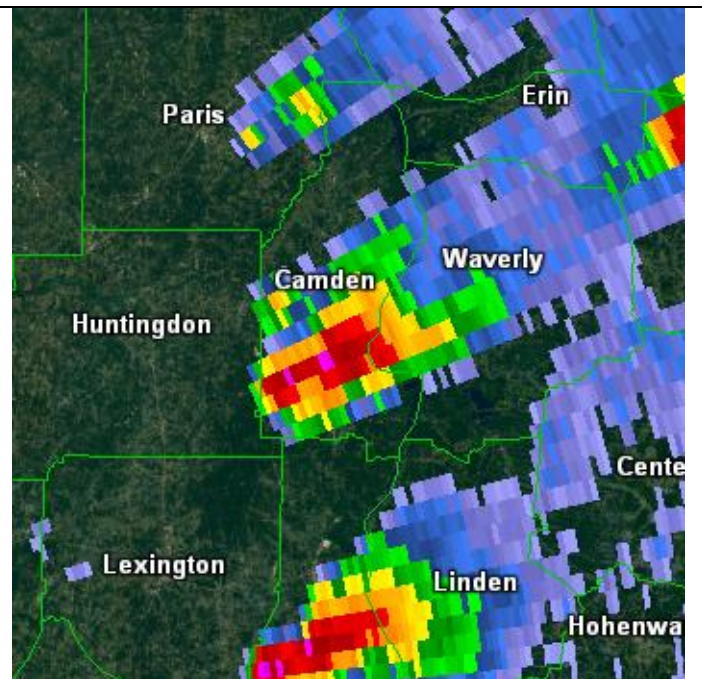
Cell in line, 16 November 2005, 0032 UTC,
35.80° N, 87.00° W



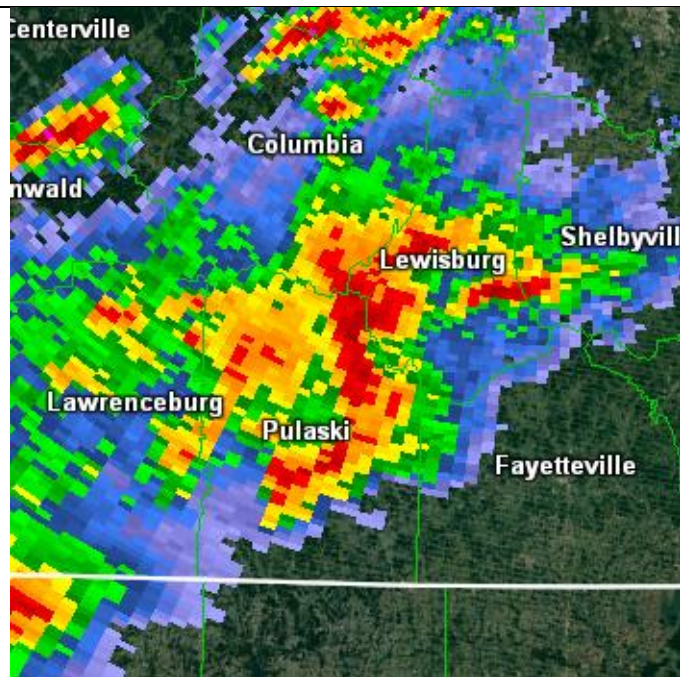
Discrete supercell, 3 April 2006, 0109 UTC,
36.07° N, 89.03° W



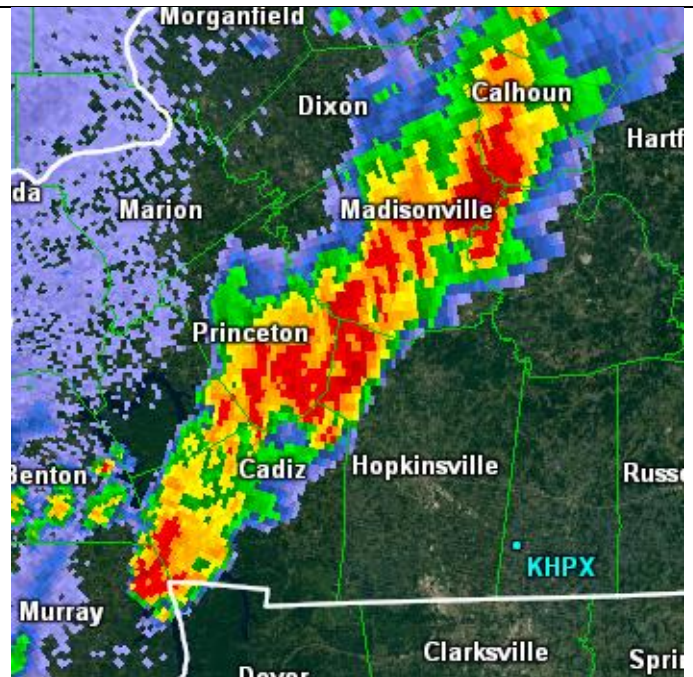
Discrete supercell, 7 April 2006, 1810 UTC,
36.18° N, 87.75° W



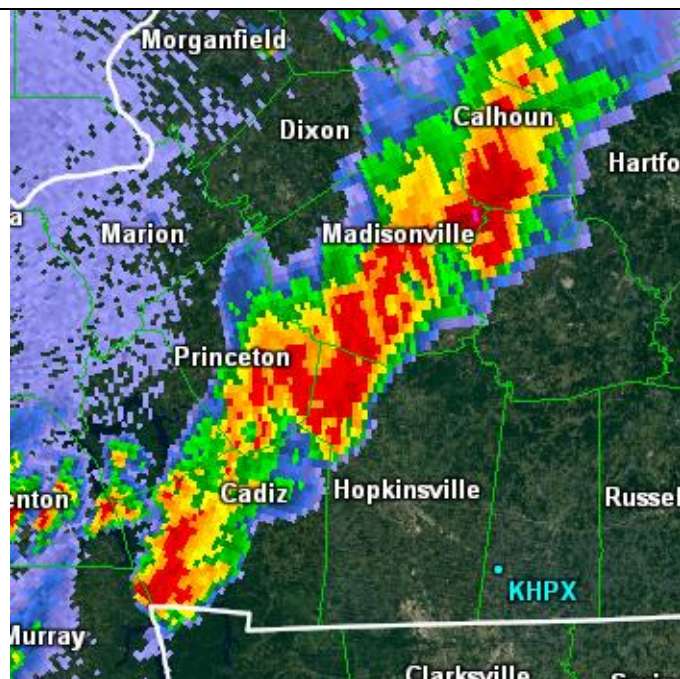
Discrete supercell, 7 April 2006, 1853 UTC,
35.88° N, 88.18° W



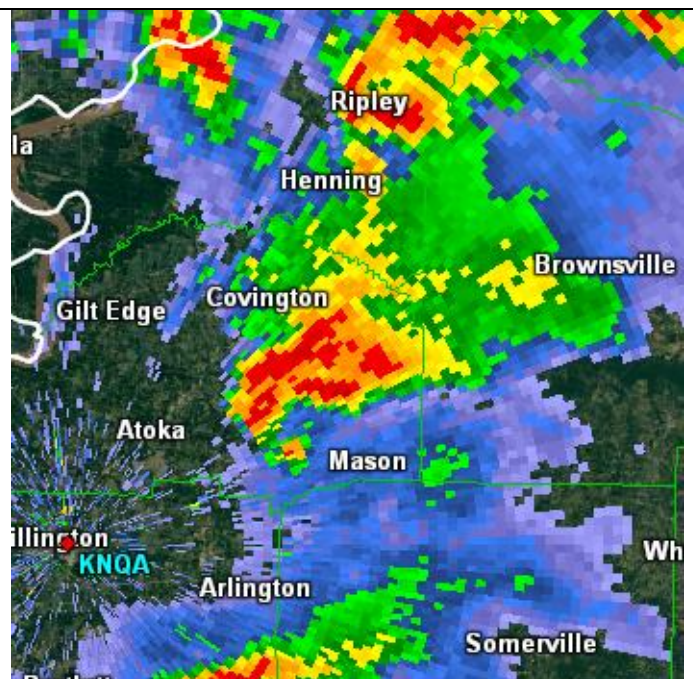
Cell in cluster, 7 April 2006, 2317 UTC,
35.32° N, 86.52° W



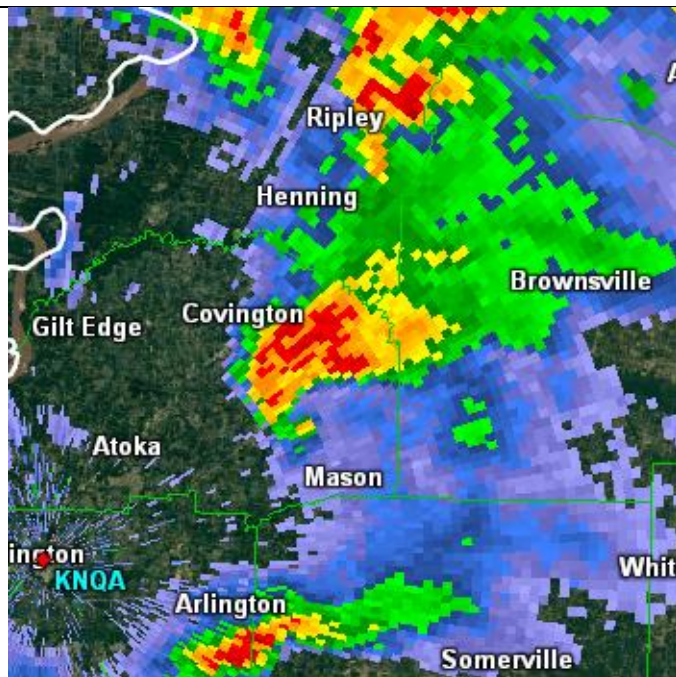
Cell in line, 19 October 2007, 0118 UTC,
36.65° N, 88.04° W



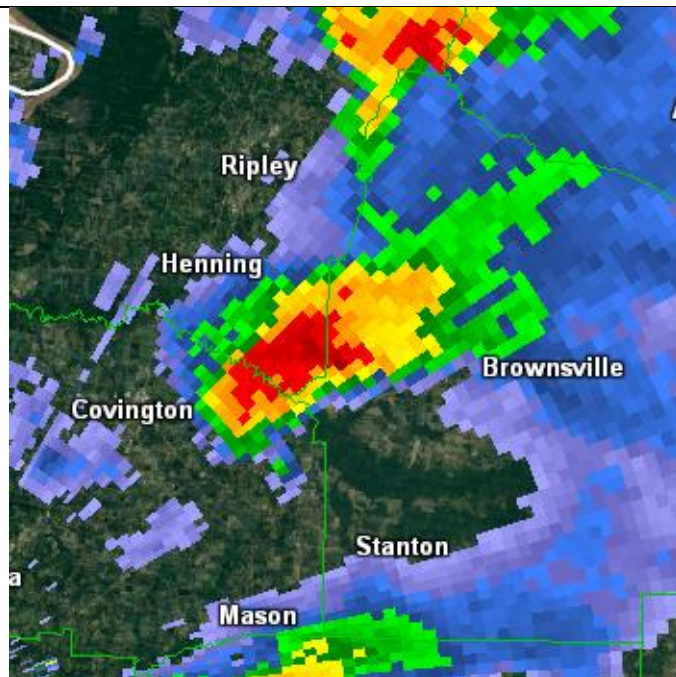
Cell in line, 19 October 2007, 0123 UTC,
36.65° N, 87.93° W



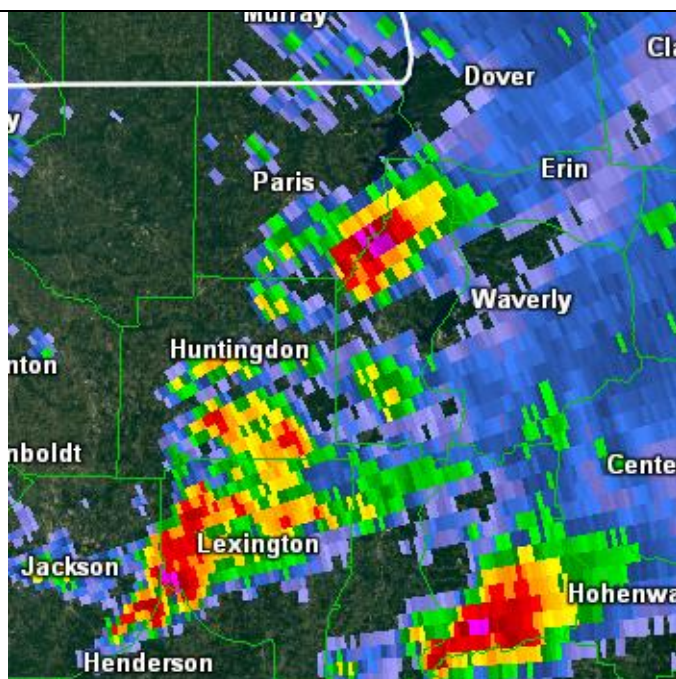
Discrete supercell, 5 February 2008, 2318 UTC,
35.47° N, 89.59° W



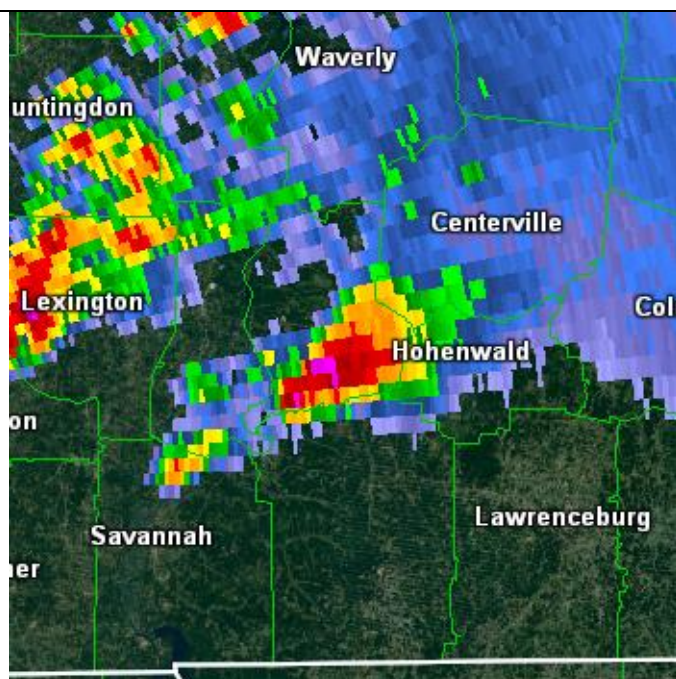
Discrete supercell, 5 February 2008, 2323 UTC,
35.50° N, 89.55° W



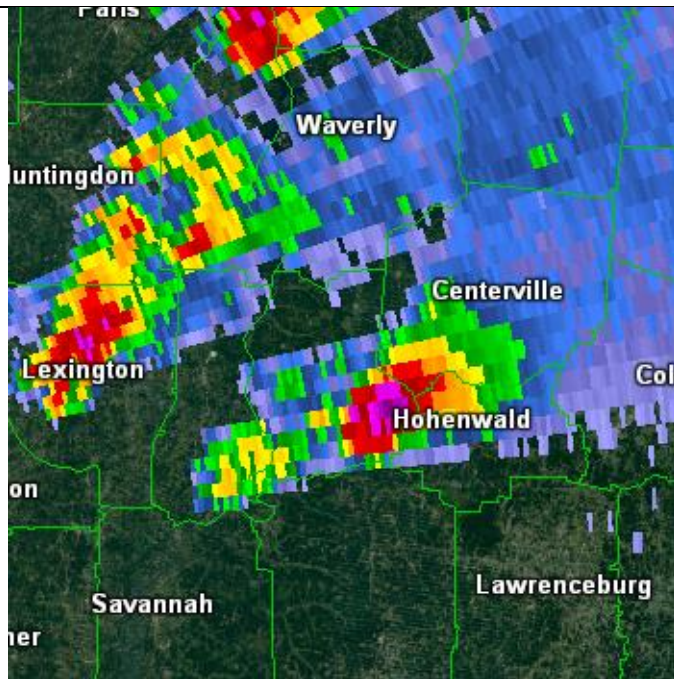
Discrete supercell, 5 February 2008, 2332 UTC,
35.58° N, 89.52° W



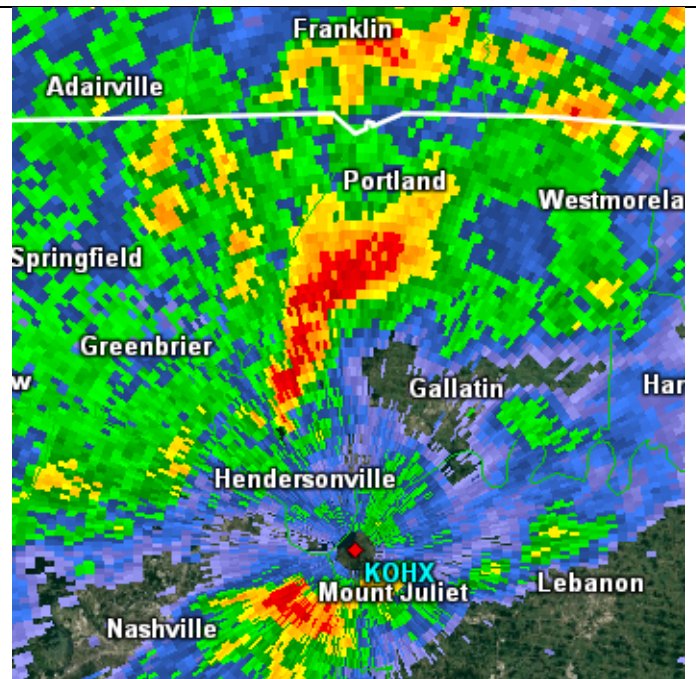
Discrete supercell, 6 February 2008, 0205 UTC,
36.20° N, 88.08° W



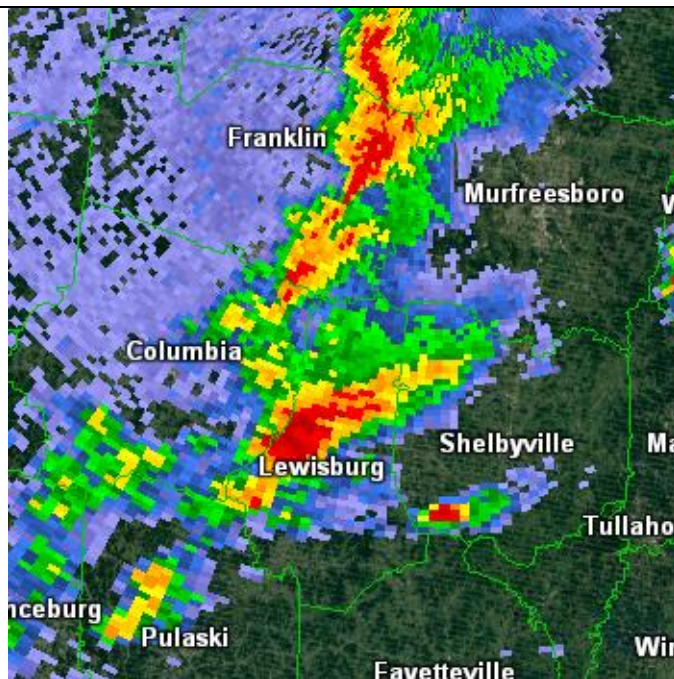
Discrete supercell, 6 February 2008, 0210 UTC,
35.38° N, 88.02° W



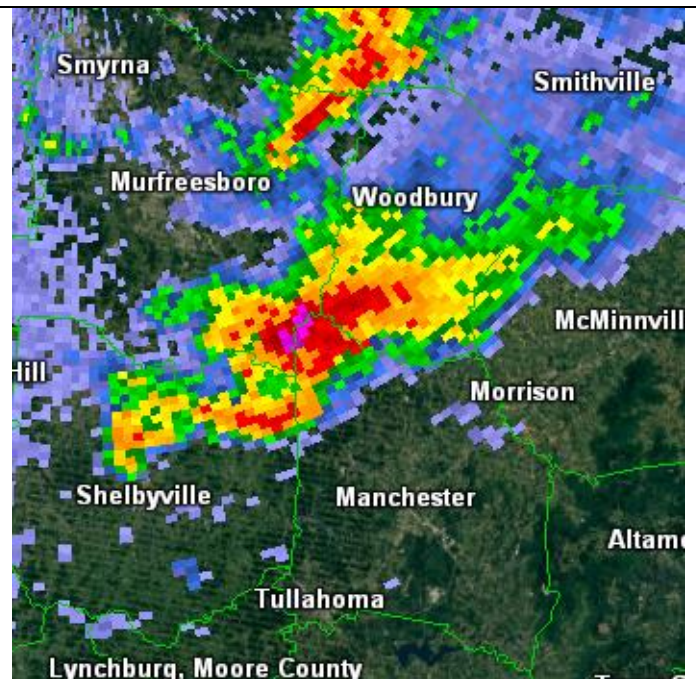
Discrete supercell, 6 February 2008, 0220 UTC,
35.46° N, 87.90° W



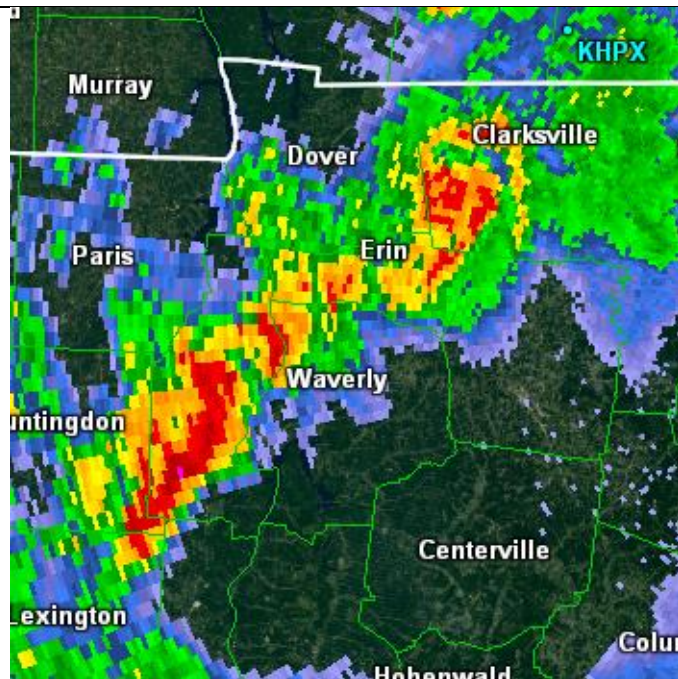
Discrete supercell, 6 February 2008, 0712 UTC,
36.35° N, 86.67° W



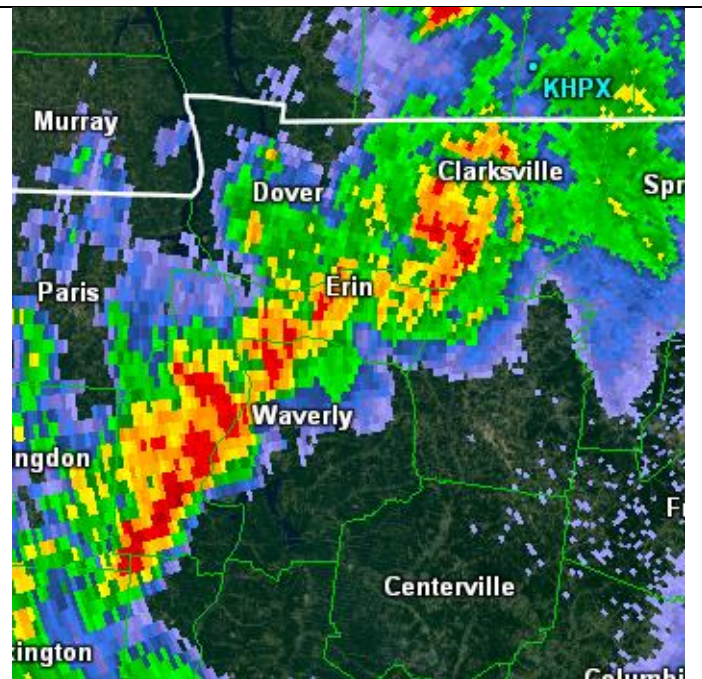
Cell in line, 11 April 2008, 1740 UTC,
35.45° N, 86.89° W



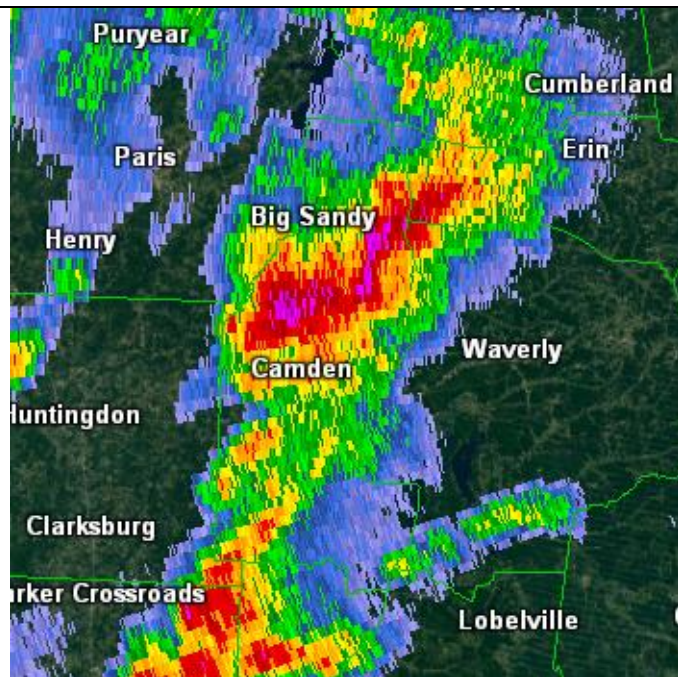
Cell in cluster, 11 April 2008, 1830 UTC,
35.62° N, 86.24° W



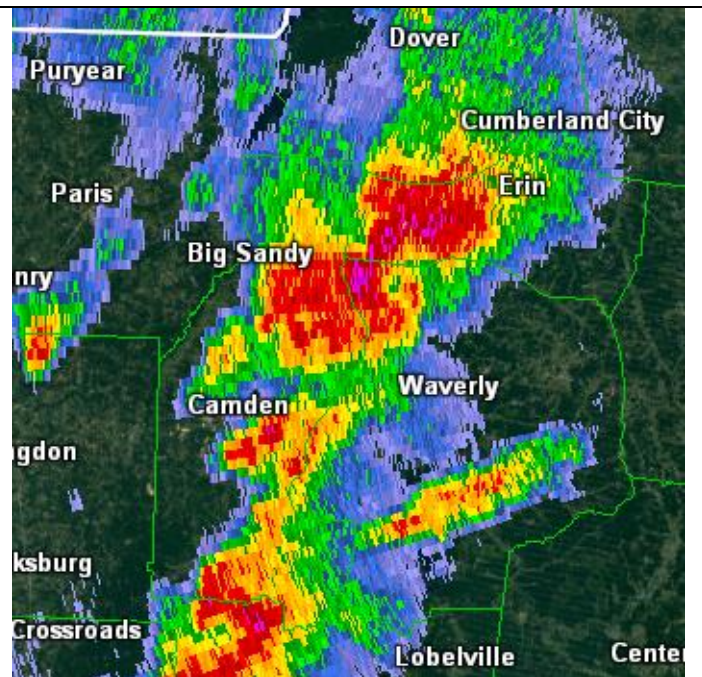
Cell in line, 3 May 2008, 0500 UTC,
36.39° N, 87.53° W



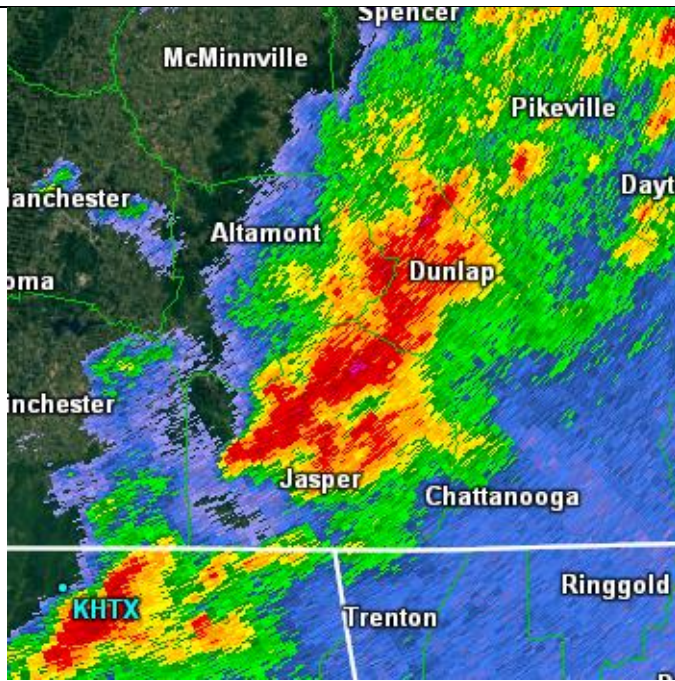
Cell in line, 3 May 2008, 0505 UTC,
36.42° N, 87.51° W



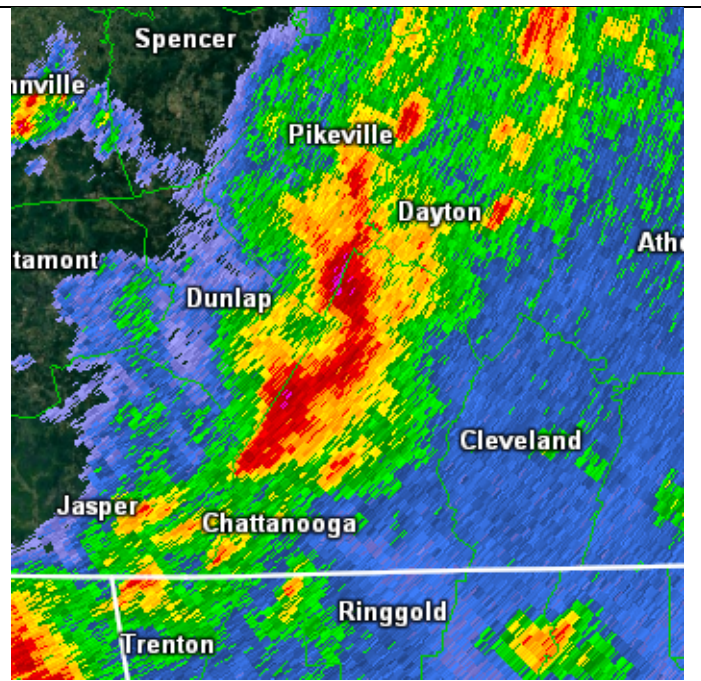
Cell in cluster, 10 April 2009, 1550 UTC,
36.17° N, 87.92° W



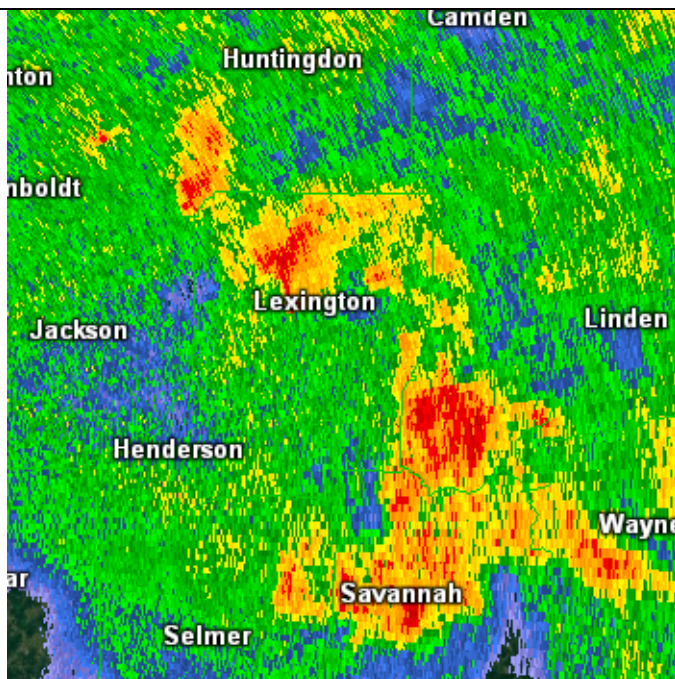
Cell in cluster, 10 April 2009, 1559 UTC,
36.20° N, 87.81° W



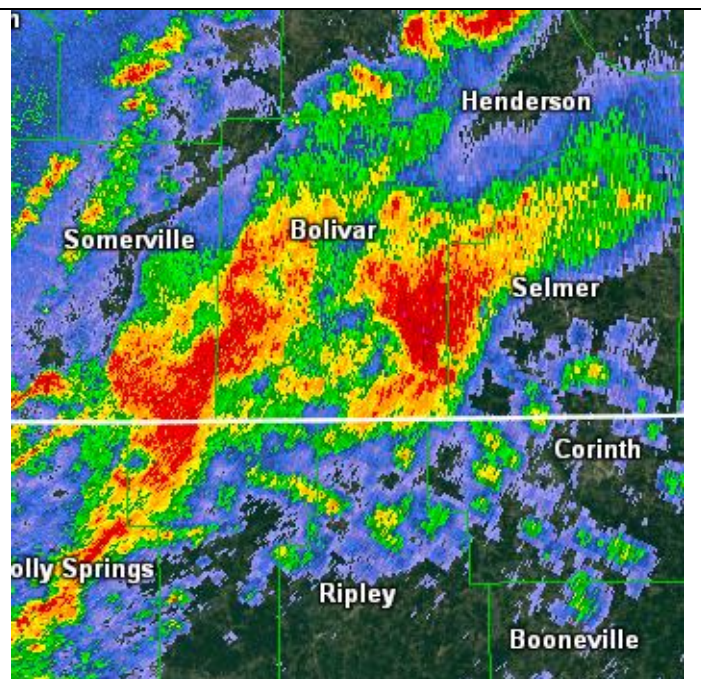
Cell in line, 10 April 2009, 0505 UTC,
35.38° N, 85.36° W



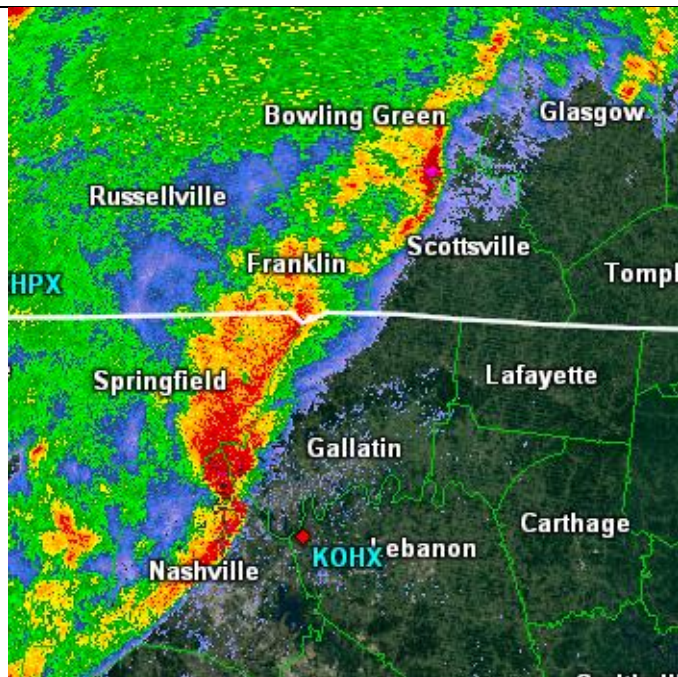
Cell in line, 10 April 2009, 2323 UTC,
35.38° N, 85.11° W



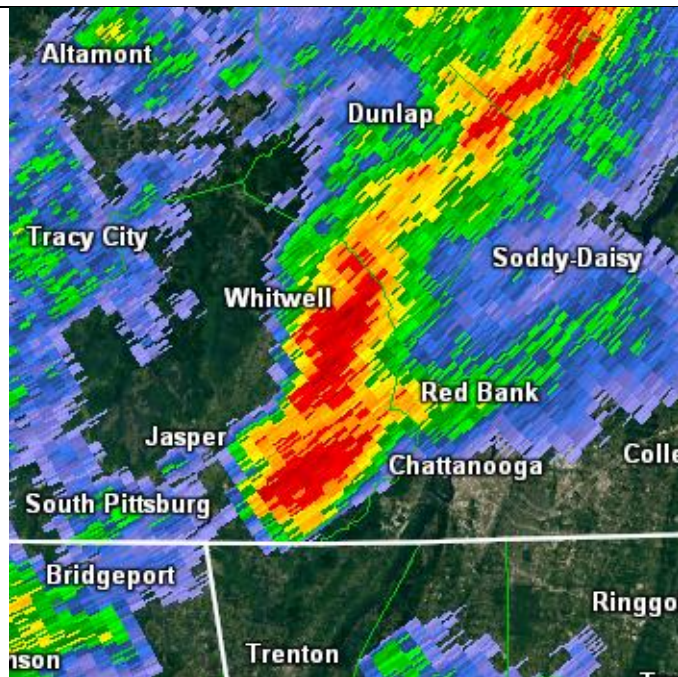
Cell in cluster, 31 July 2009, 0052 UTC,
35.78° N, 88.36° W



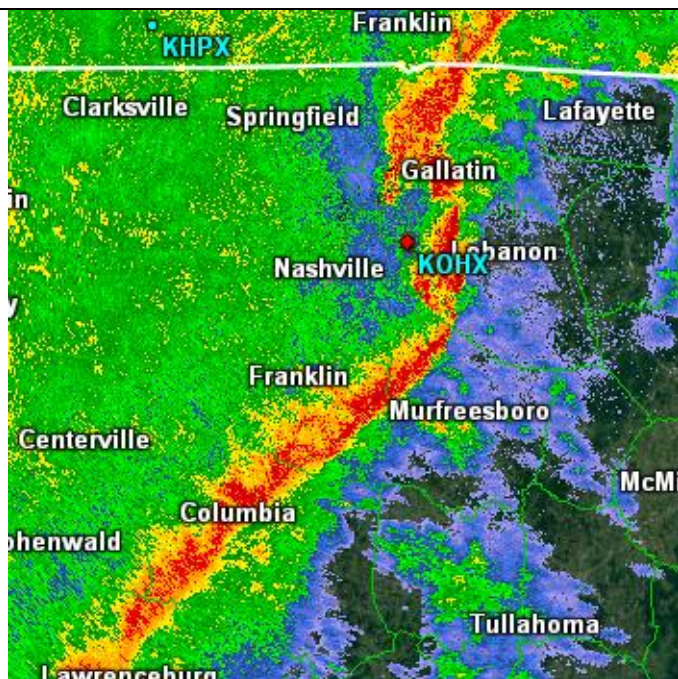
Cell in cluster, 2 May 2010, 0820 UTC,
35.08° N, 88.74° W



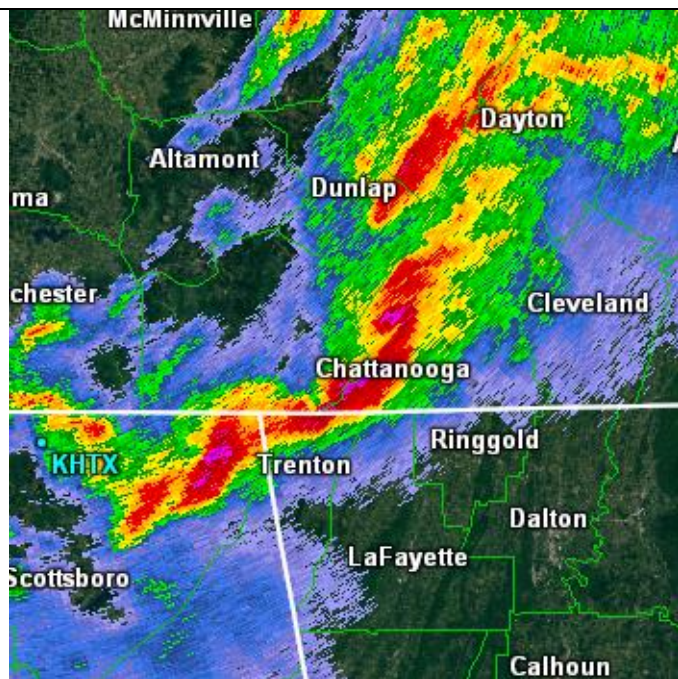
Cell in line, 2 May 2010, 1117 UTC,
36.33° N, 86.64° W



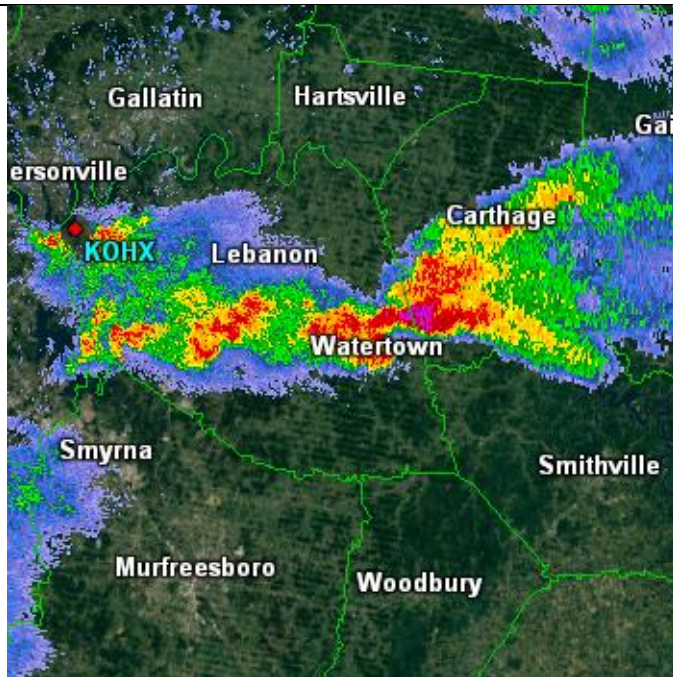
Cell in cluster, 26 October 2010, 2225 UTC,
35.03° N, 85.44° W



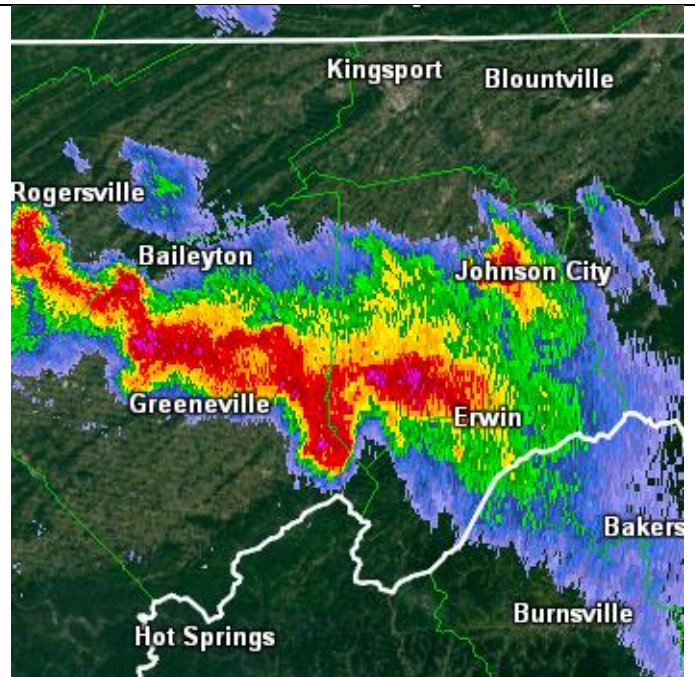
QLCS, 25 February 2011, 0414 UTC,
36.12° N, 86.42° W



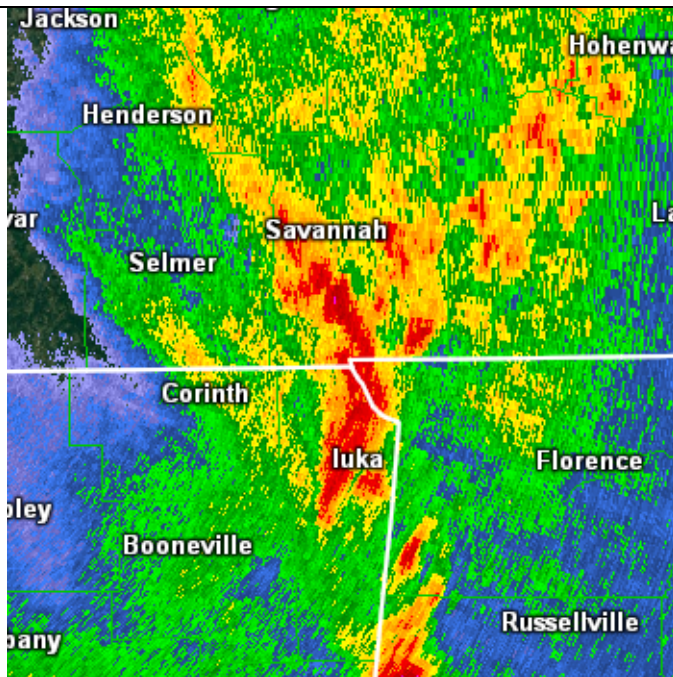
Cell in line, 28 February 2011, 1930 (1920) UTC,
35.18° N, 85.28° W



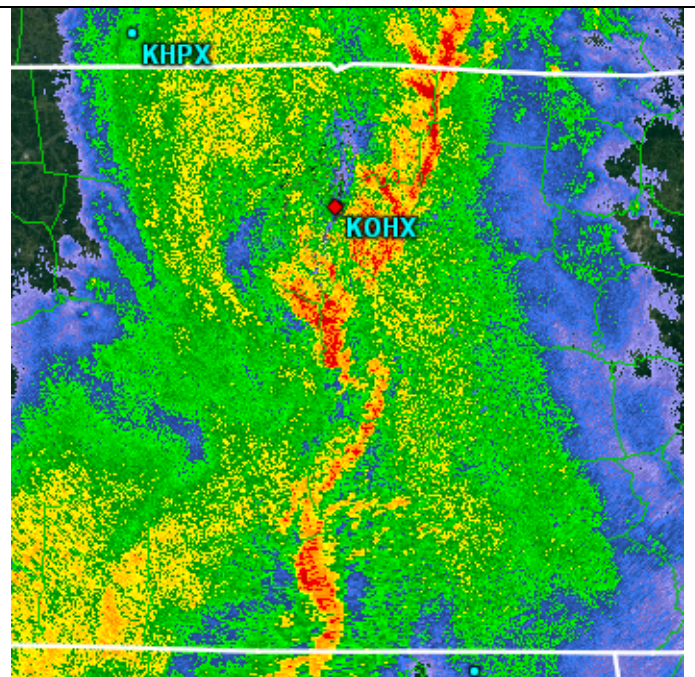
Cell in cluster, 24 (23) March 2011, 2319 UTC,
36.10° N, 86.09° W



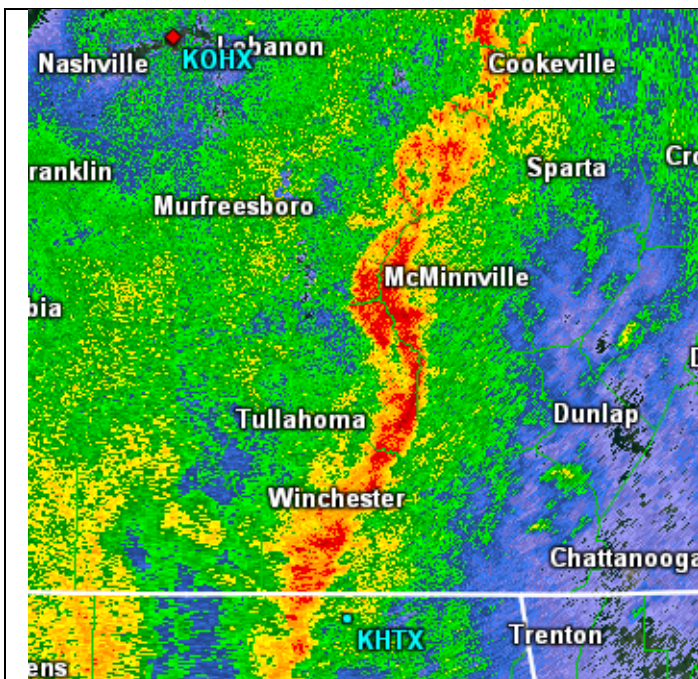
Cell in cluster, 9 April 2011, 2200 UTC,
36.30° N, 82.43° W



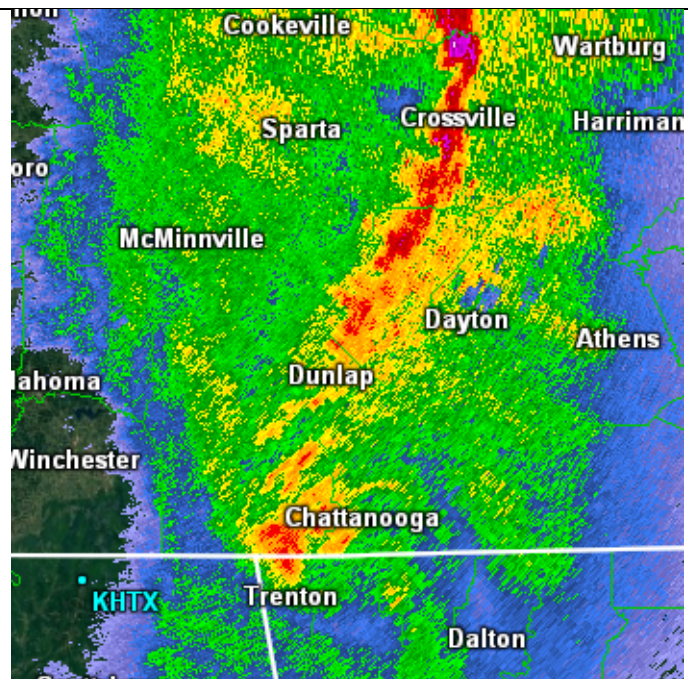
Cell in cluster, 27 April 2011, 0901 UTC,
34.94° N, 88.06° W



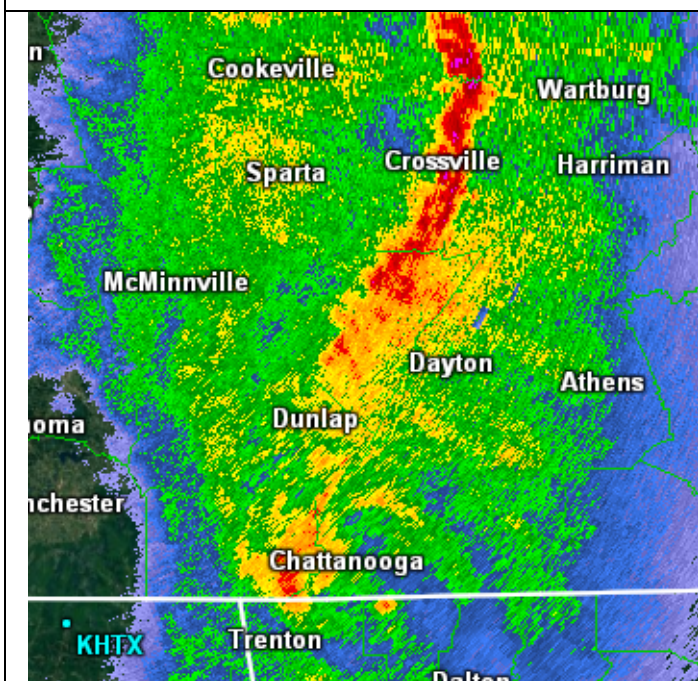
QLCS, 27 April 2011, 1052 UTC,
35.83° N, 86.46° W



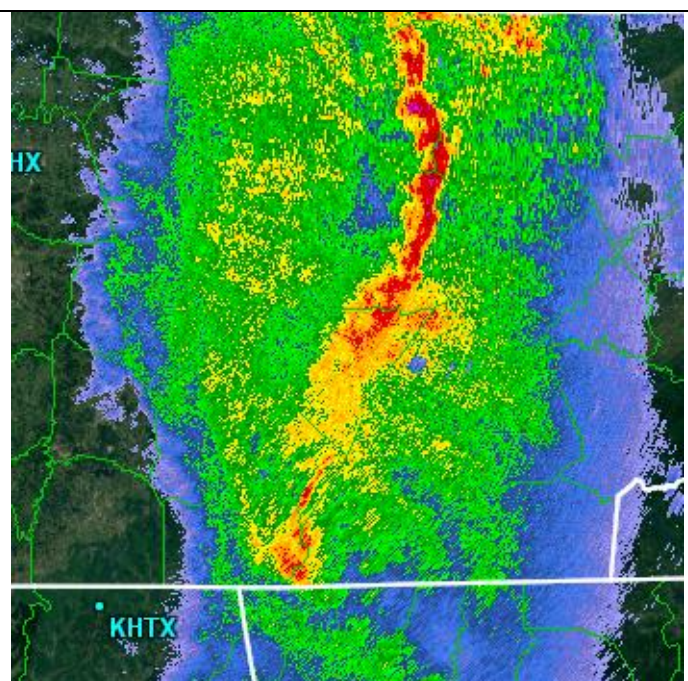
QLCS, 27 April 2011, 1145 UTC,
35.53° N, 86.00° W



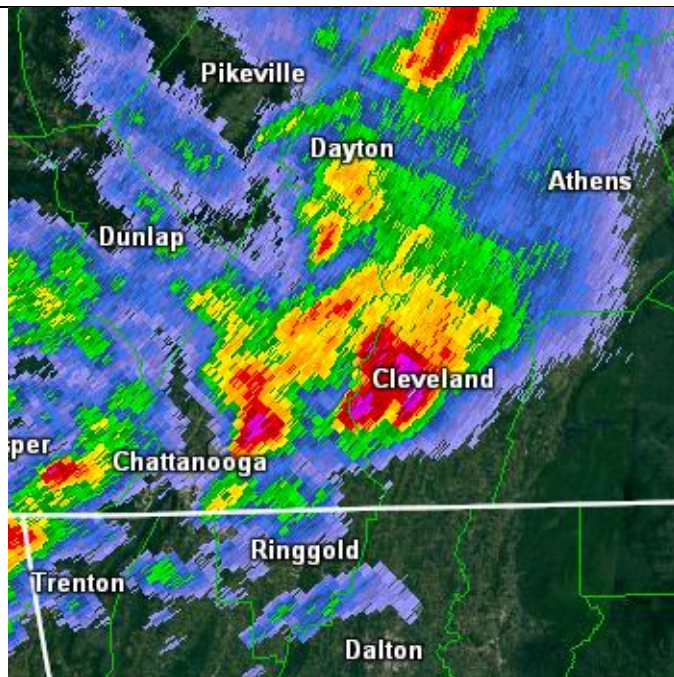
QLCS, 27 April 2011, 1255 UTC,
34.99° N, 85.33° W



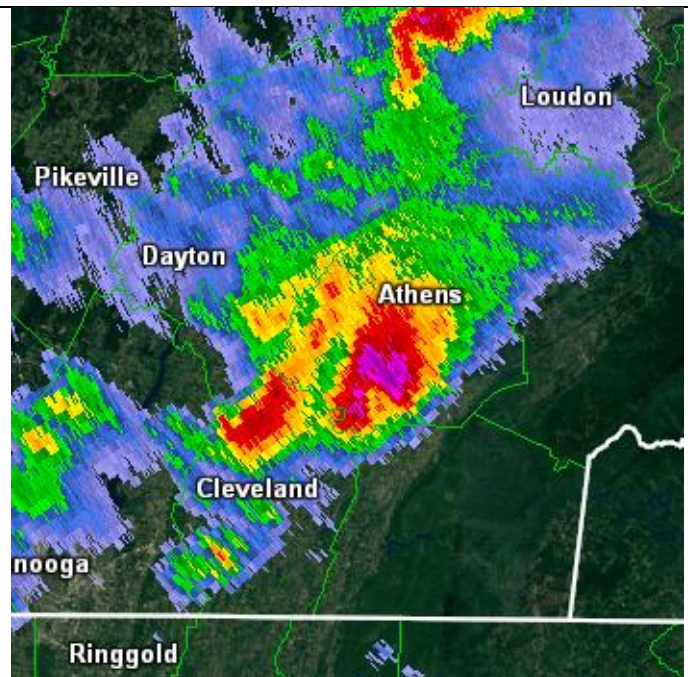
QLCS, 27 April 2011, 1256 UTC,
35.11° N, 85.29° W



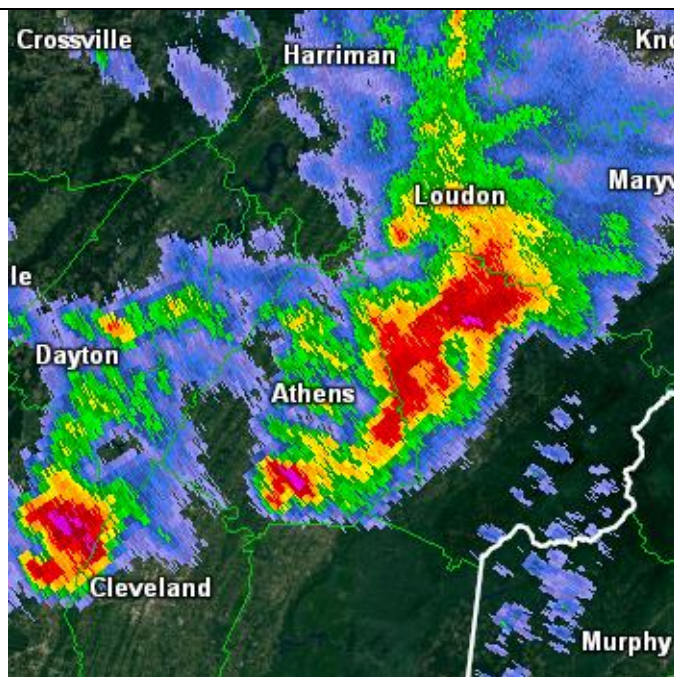
QLCS, 27 April 2011, 1304 UTC,
34.99° N, 85.27° W



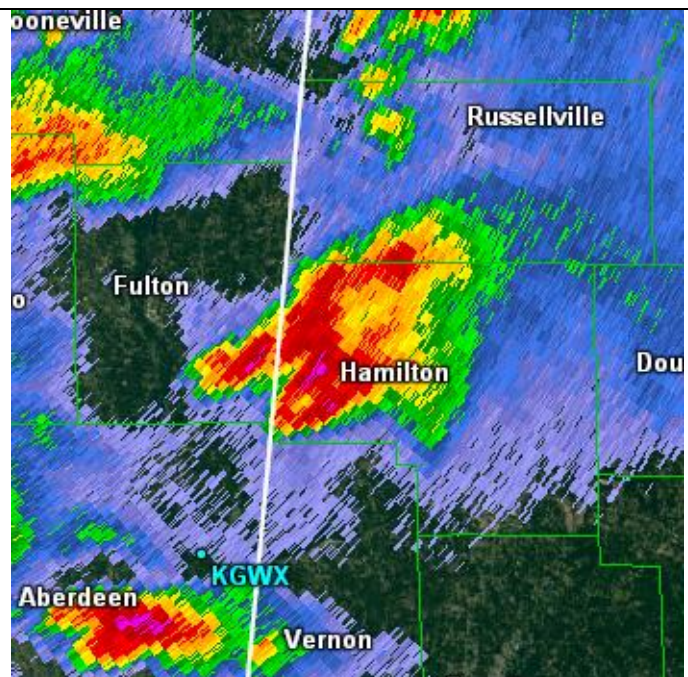
Cell in cluster, 27 April 2011, 1915 UTC,
35.21° N, 84.90° W



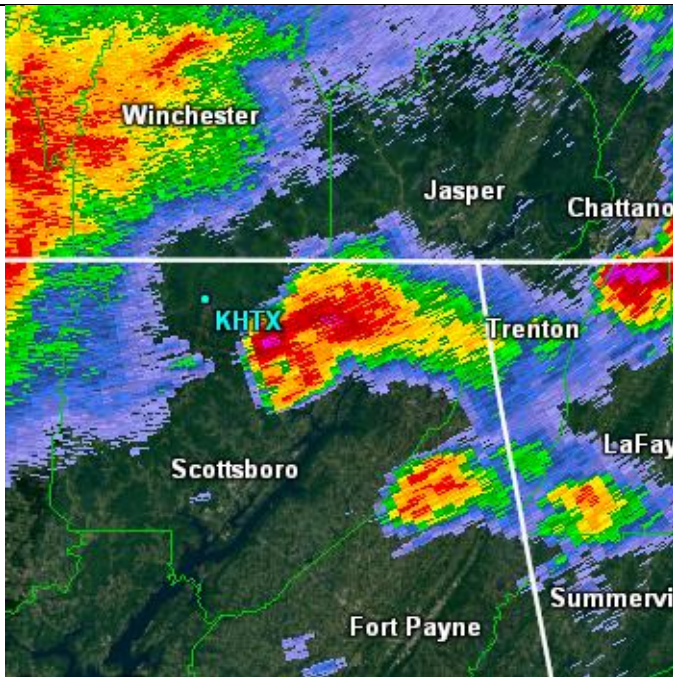
Cell in cluster, 27 April 2011, 1936 UTC,
35.17° N, 84.90° W



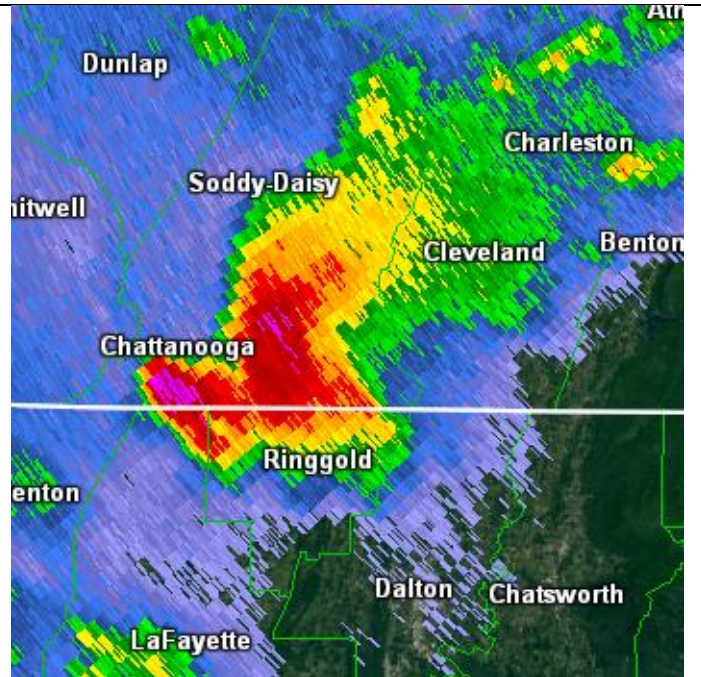
Cell in cluster, 27 April 2011, 2004 UTC,
35.54° N, 84.28° W



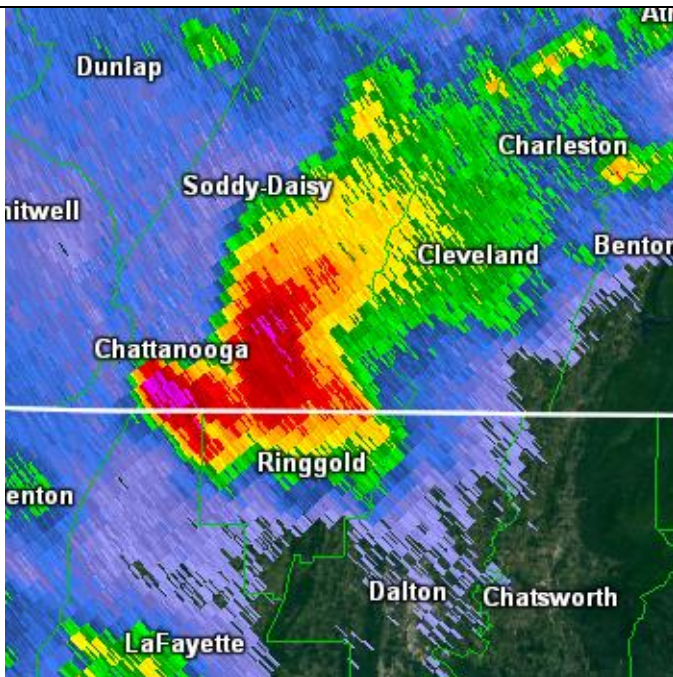
Discrete supercell, 27 April 2011, 2005 UTC,
34.10° N, 88.15° W



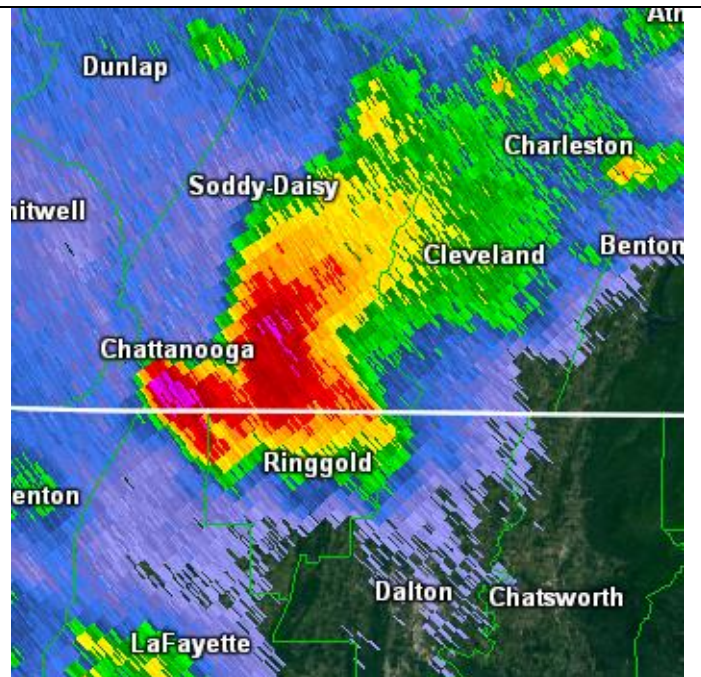
Discrete supercell, 27 April 2011, 2205 UTC,
34.79° N, 85.91° W



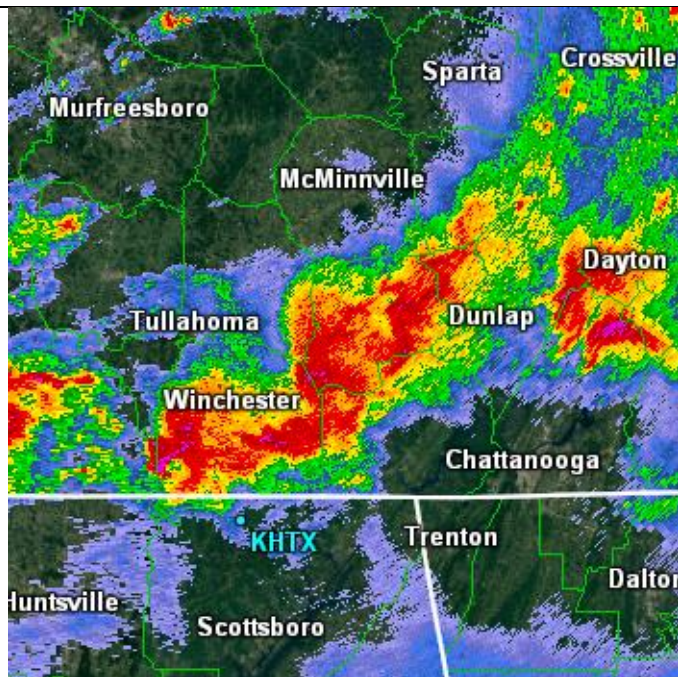
Cell in cluster, 27 April 2011, 2212 UTC,
35.10° N, 85.08° W



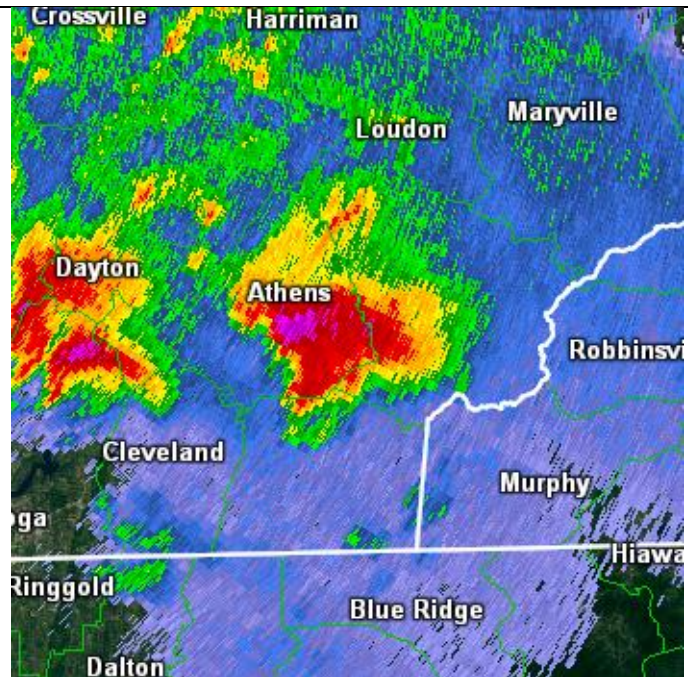
Cell in cluster, 27 April 2011, 2213 UTC,
35.04° N, 85.10° W



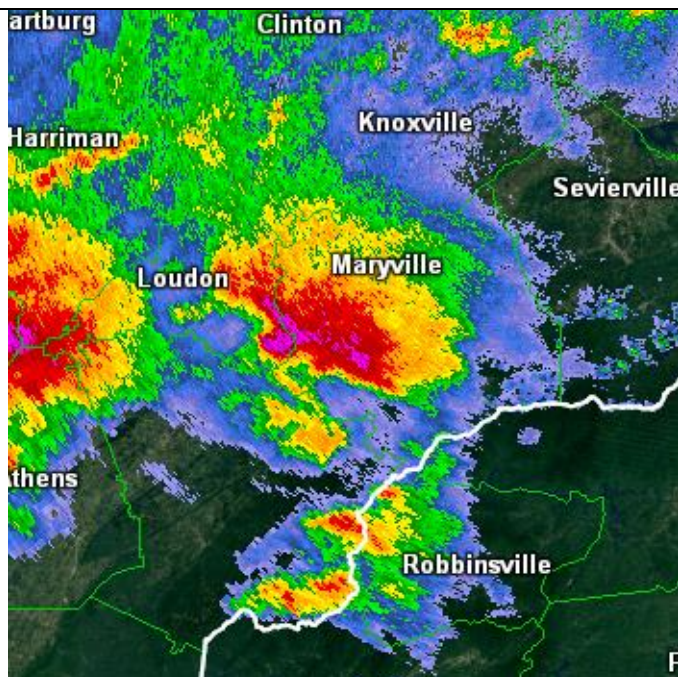
Cell in cluster, 27 April 2011, 2214 UTC,
35.07° N, 85.10° W



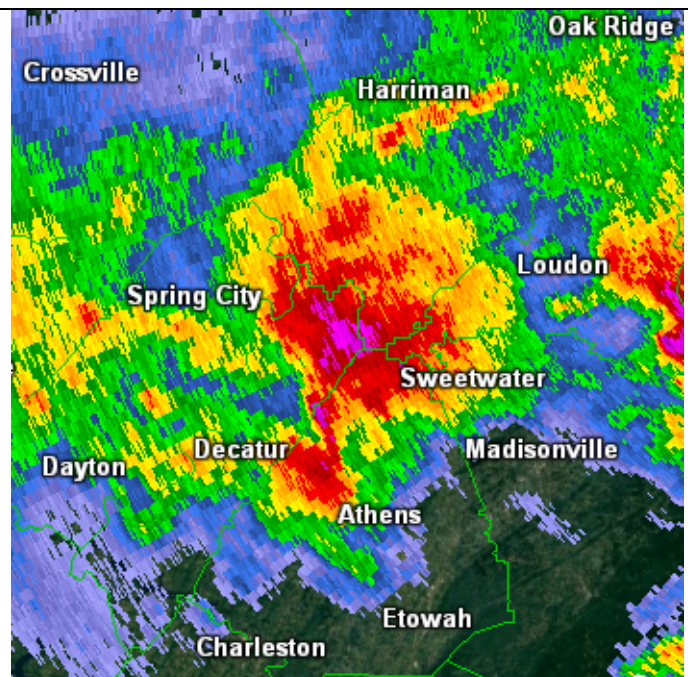
Cell in line, 27 April 2011, 2300 UTC,
35.35° N, 85.65° W



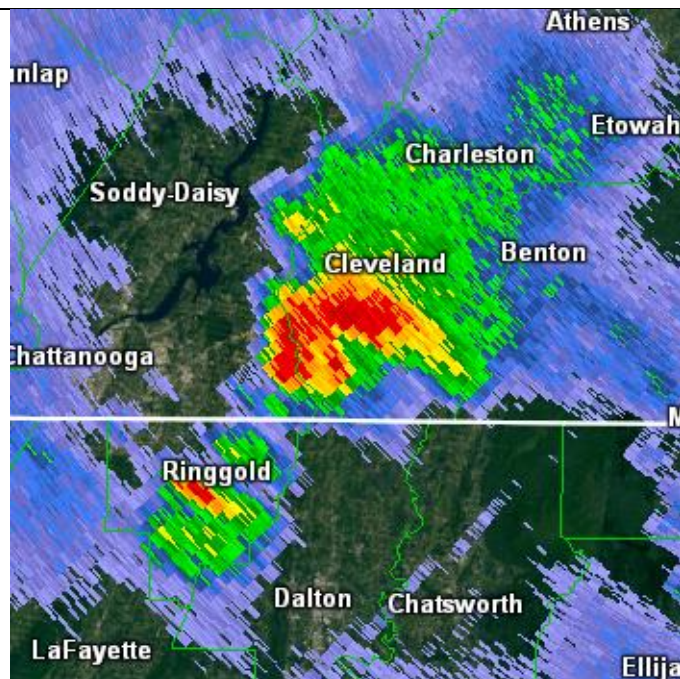
Discrete supercell, 27 April 2011, 2300 UTC,
35.29° N, 84.55° W



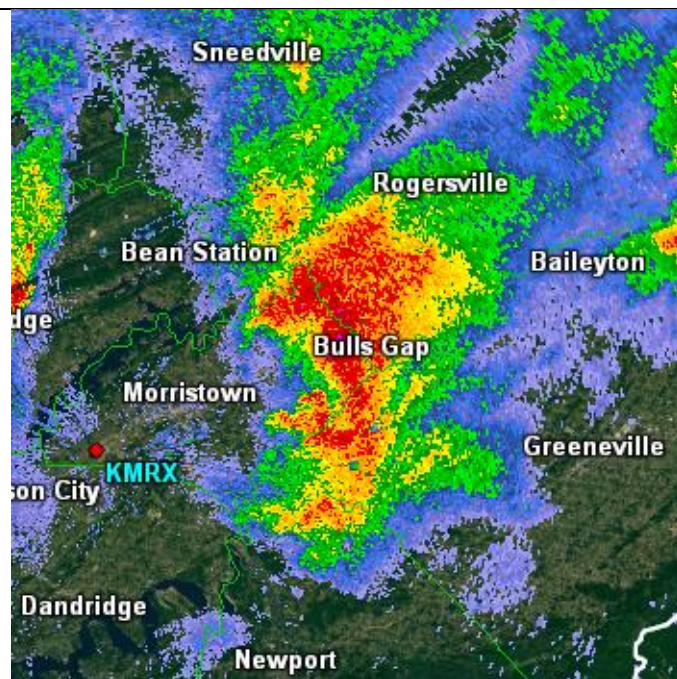
Discrete supercell, 27 April 2011, 2331 UTC,
35.53° N, 84.05° W



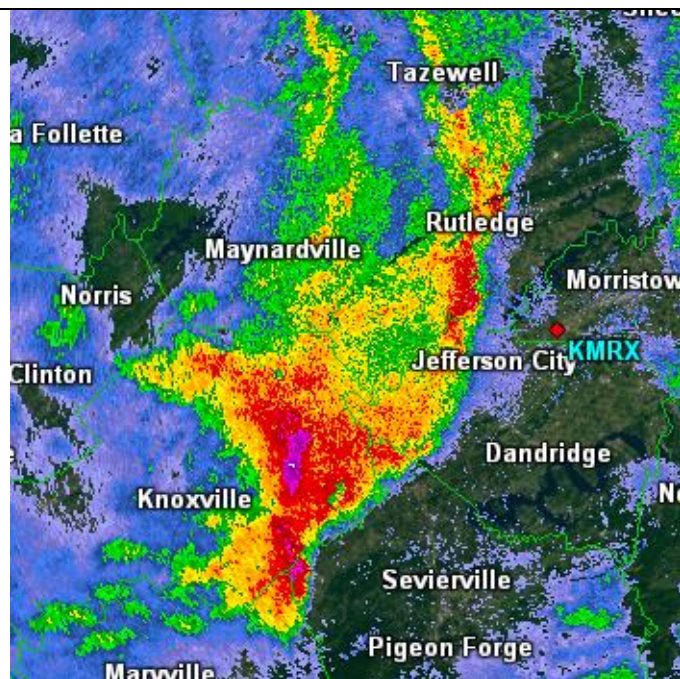
Discrete supercell, 27 April 2011, 2335 UTC,
35.47° N, 84.52° W



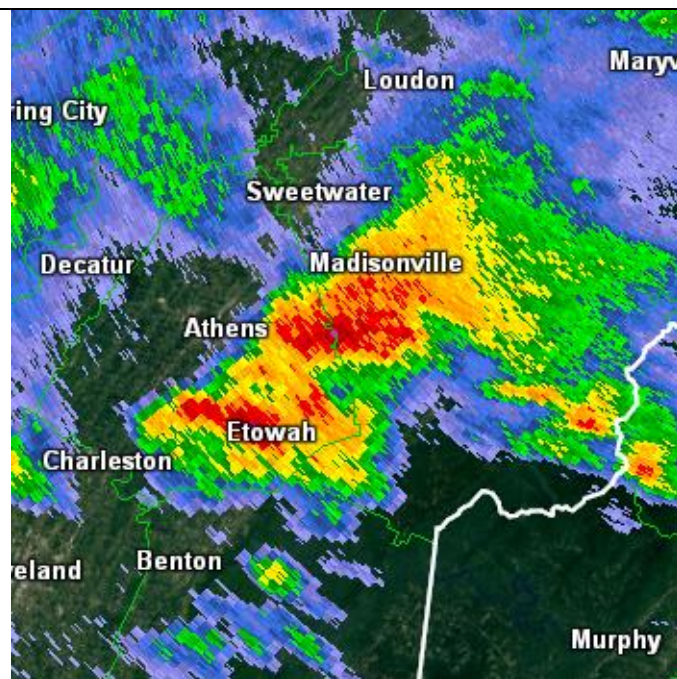
Discrete supercell, 27 (28) April 2011, 2335 (0039) UTC, 35.18° N, 84.87° W



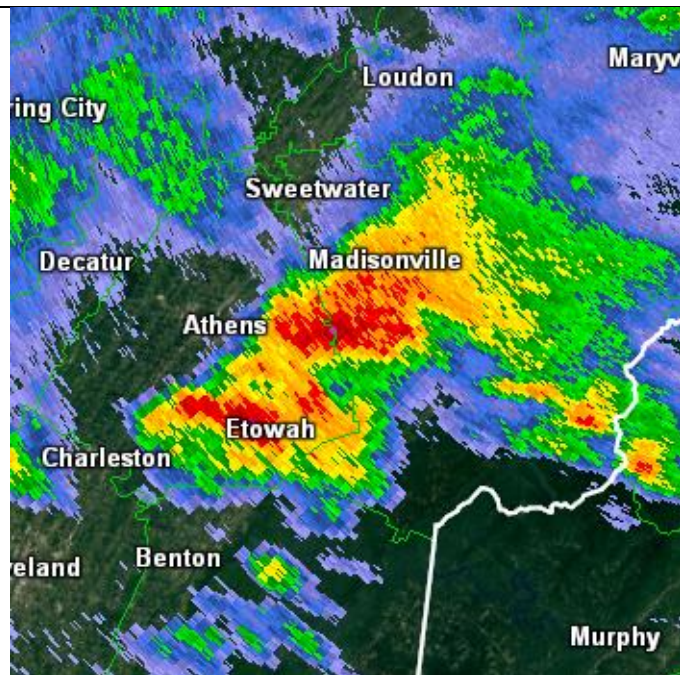
Discrete supercell, 28 April 2011, 0107 UTC, 36.23° N, 83.06° W



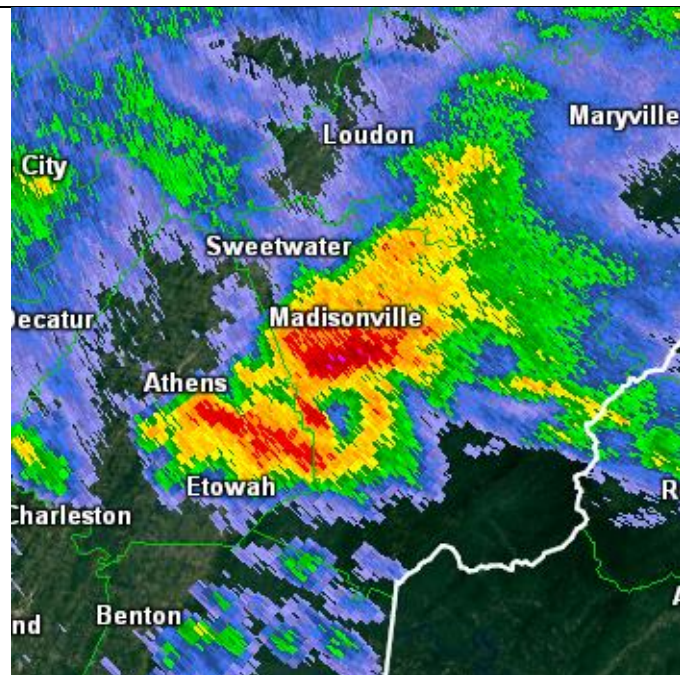
Cell in cluster, 28 April 2011, 0111 UTC, 36.14° N, 83.48° W



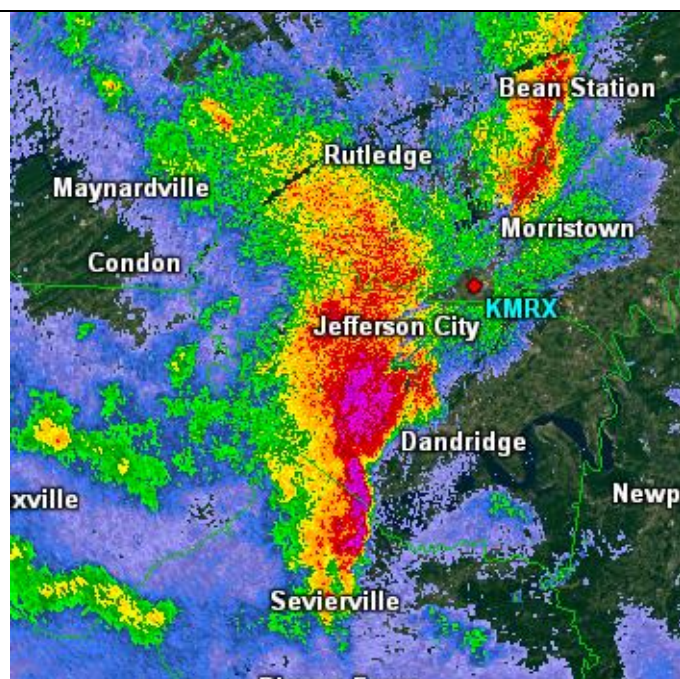
Cell in cluster, 28 April 2011, 0118 UTC, 35.39° N, 84.35° W



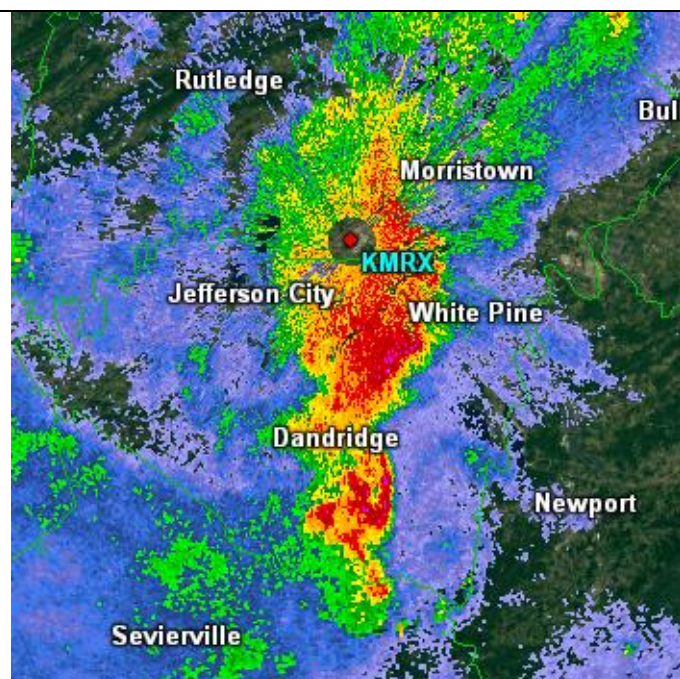
Cell in cluster, 28 April 2011, 0120 UTC,
35.44° N, 84.41° W



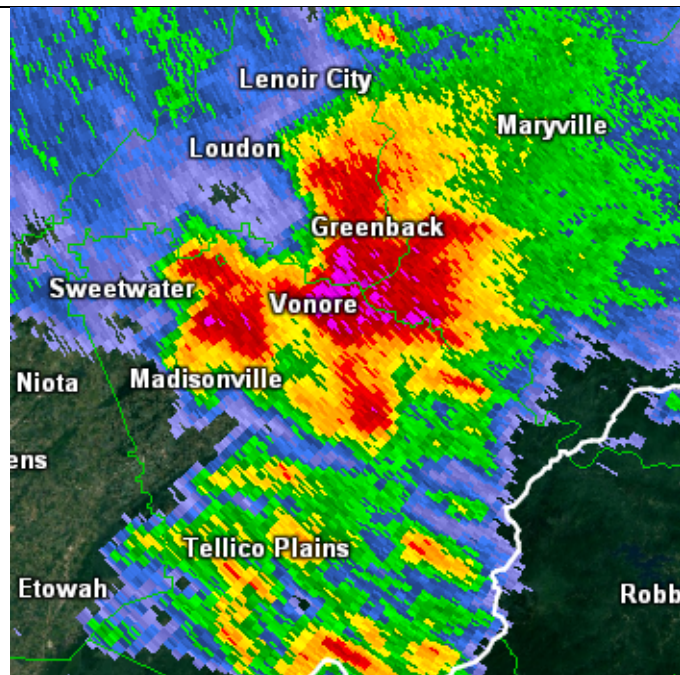
Cell in cluster, 28 April 2011, 0122 UTC,
35.38° N, 84.34° W



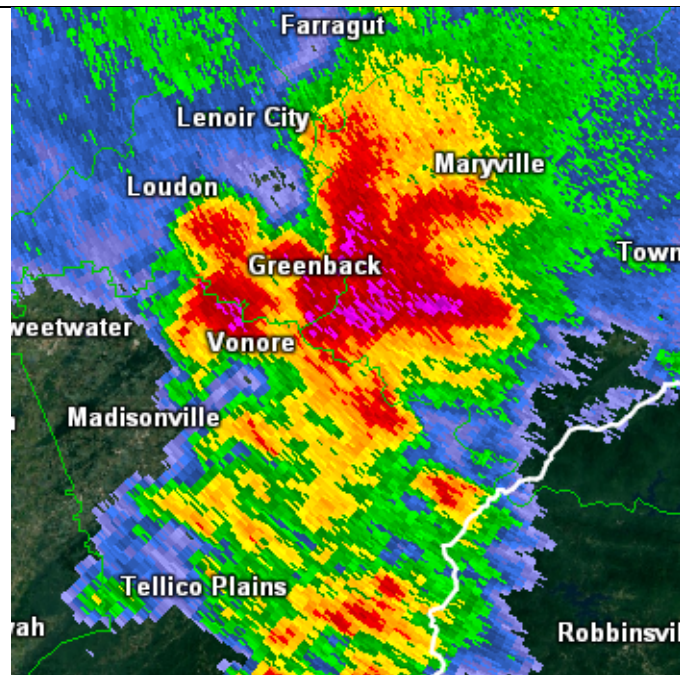
Cell in cluster, 28 April 2011, 0124 UTC,
36.05° N, 83.49° W



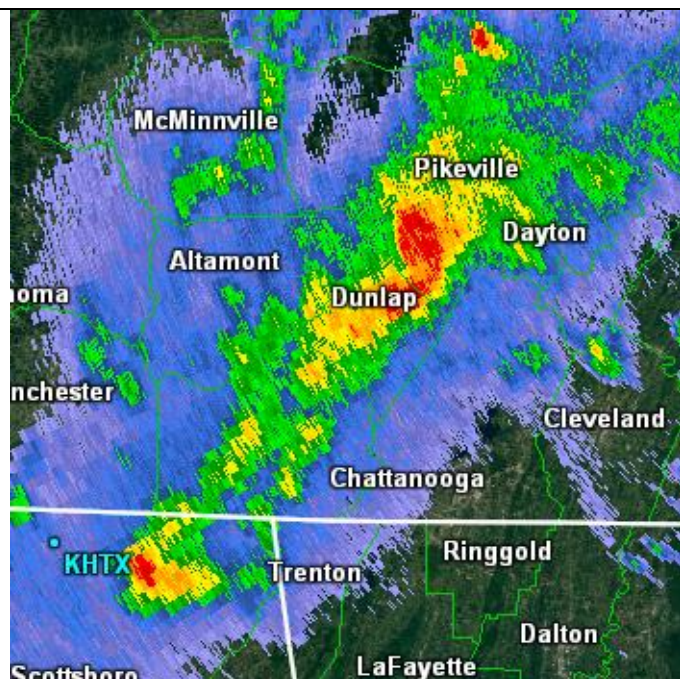
Cell in cluster, 28 April 2011, 0131 UTC,
35.91° N, 83.33° W



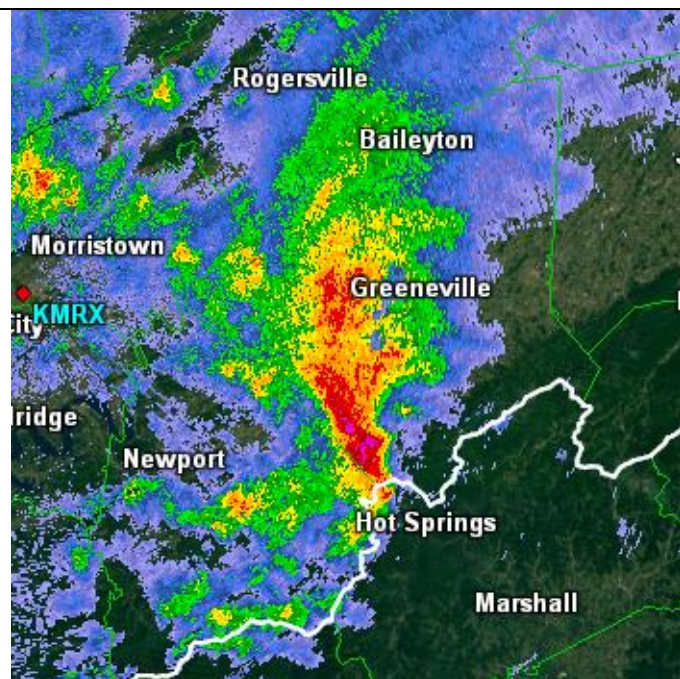
Cell in cluster, 28 April 2011, 0135 UTC,
35.51° N, 84.07° W



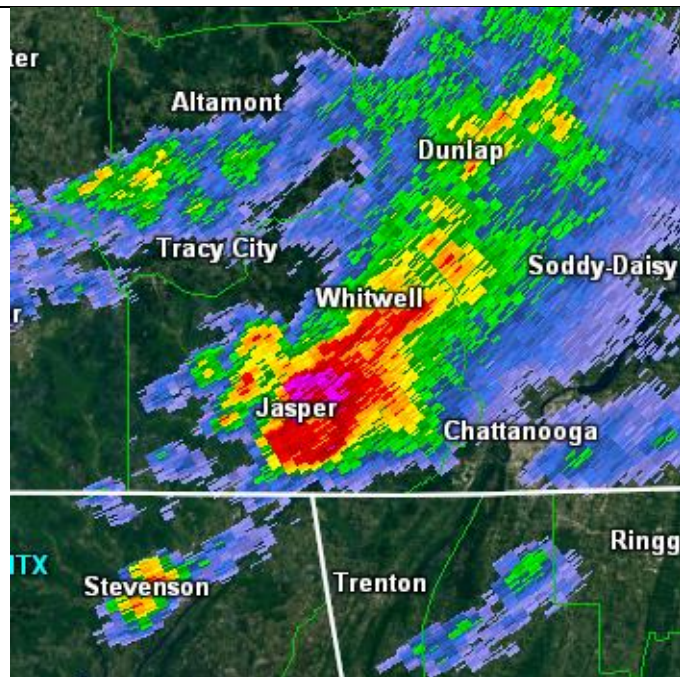
Cell in cluster, 28 April 2011, 0143 UTC,
35.63° N, 84.13° W



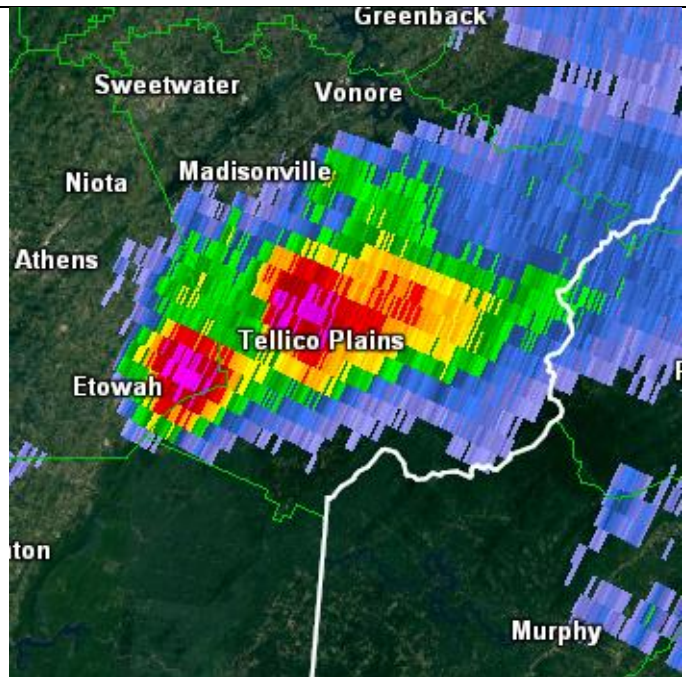
Cell in cluster, 28 April 2011, 0228 (0120) UTC,
35.36° N, 85.39° W



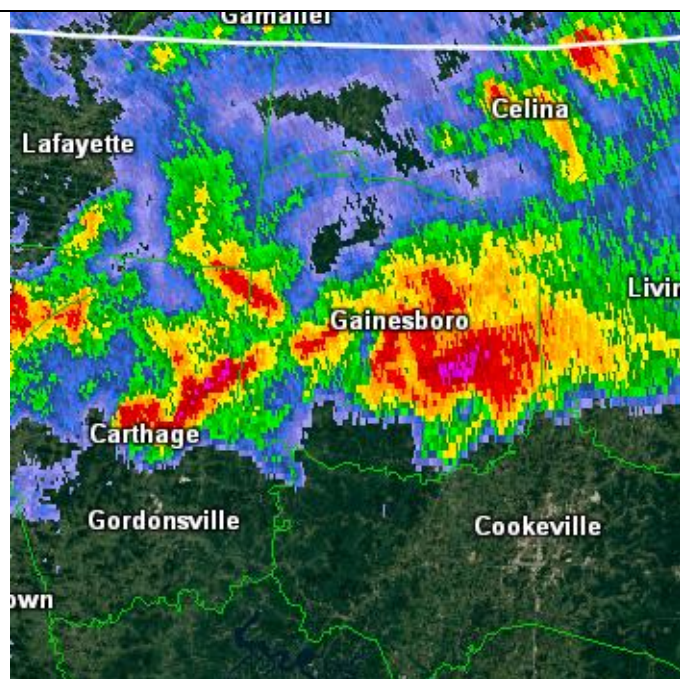
Discrete supercell, 28 April 2011, 0251 UTC,
36.03° N, 82.81° W



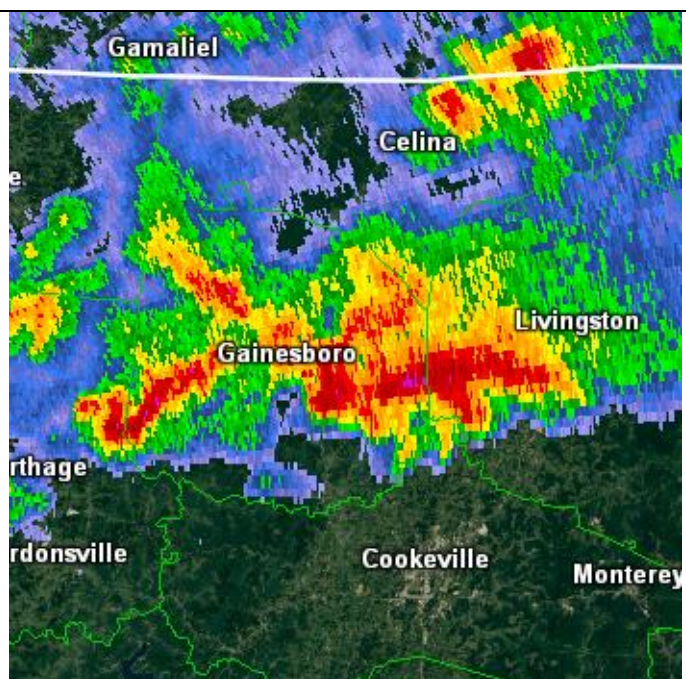
Cell in cluster, 2 March 2012, 1715 UTC,
35.05° N, 85.54° W



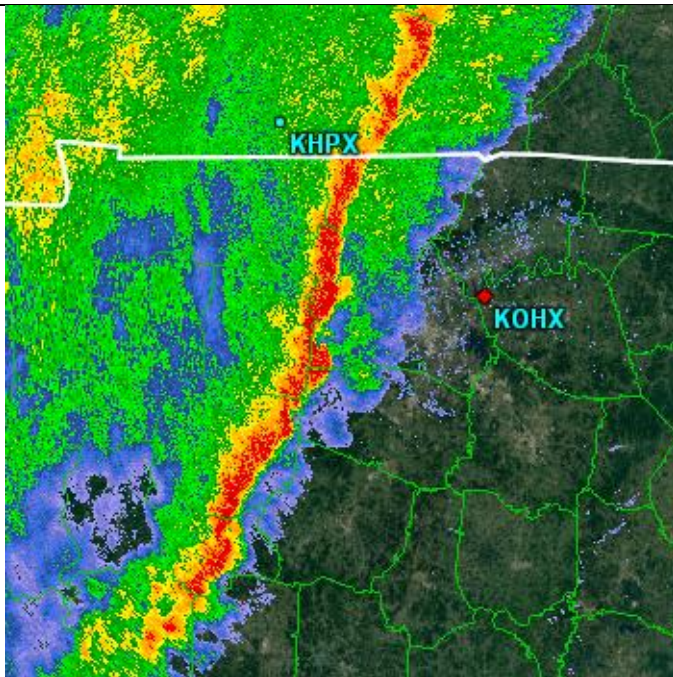
Cell in cluster, 2 March 2012, 1847 UTC,
35.37° N, 84.31° W



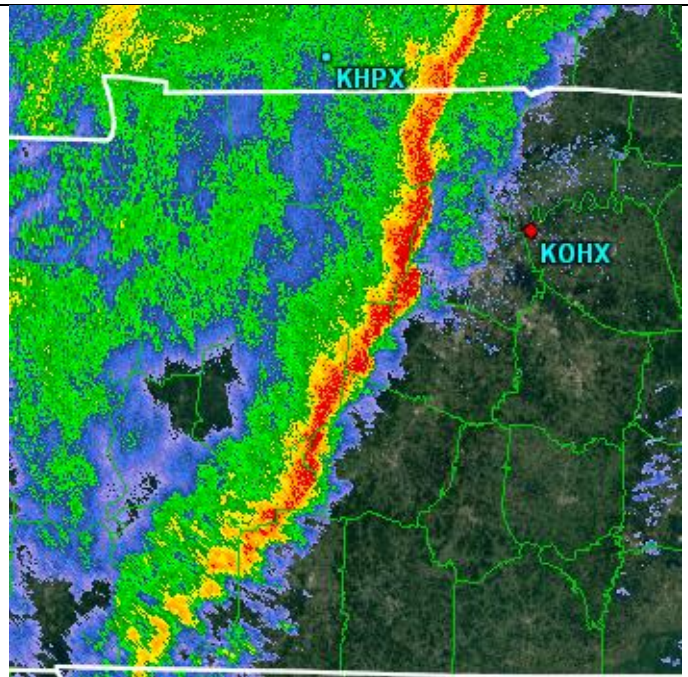
Cell in cluster, 2 March 2012, 2326 UTC,
36.29° N, 85.49° W



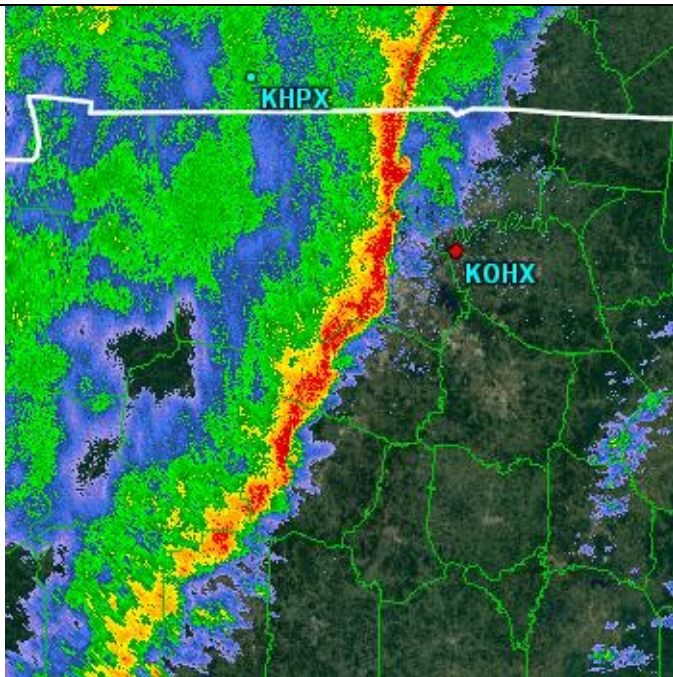
Cell in cluster, 2 March 2012, 2331 UTC,
36.29° N, 85.49° W



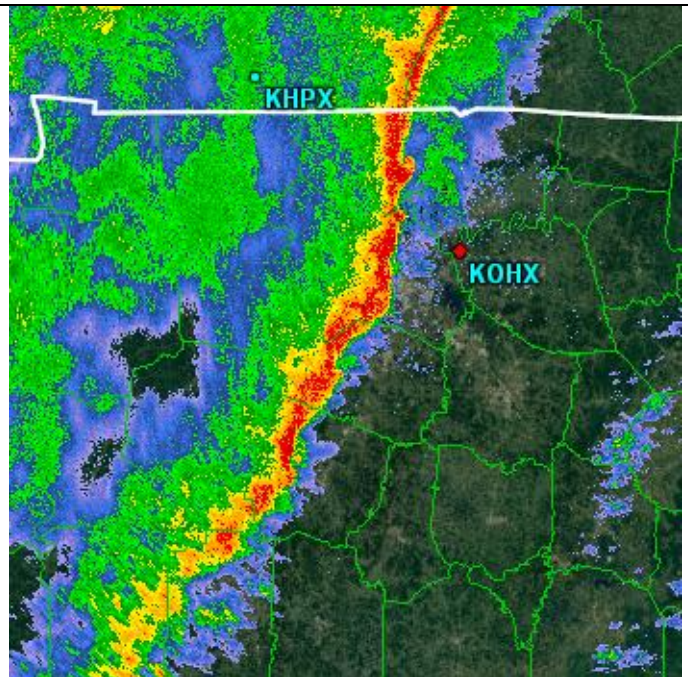
QLCS, 30 January 2013, 0852 UTC,
36.28° N, 87.06° W



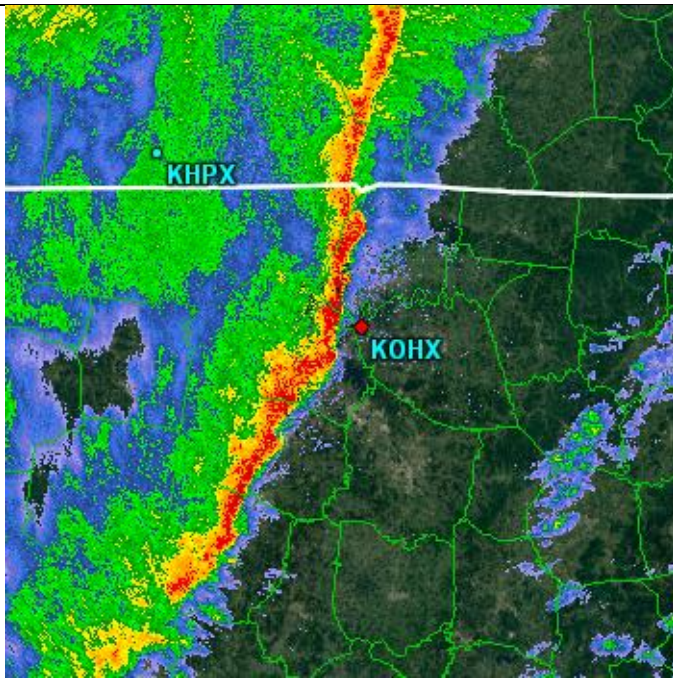
QLCS, 30 January 2013, 0901 UTC,
35.88 N, 87.12° W



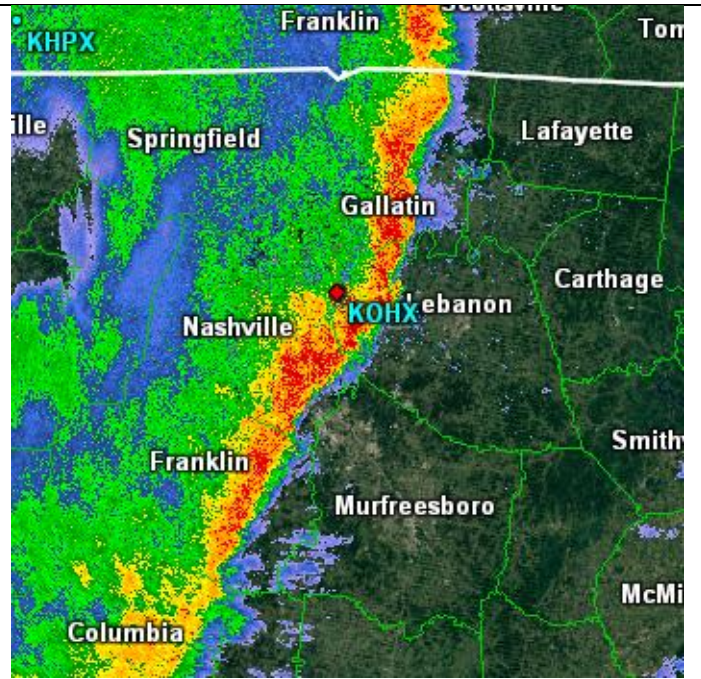
QLCS, 30 January 2013, 0910 UTC,
36.36° N, 86.77° W



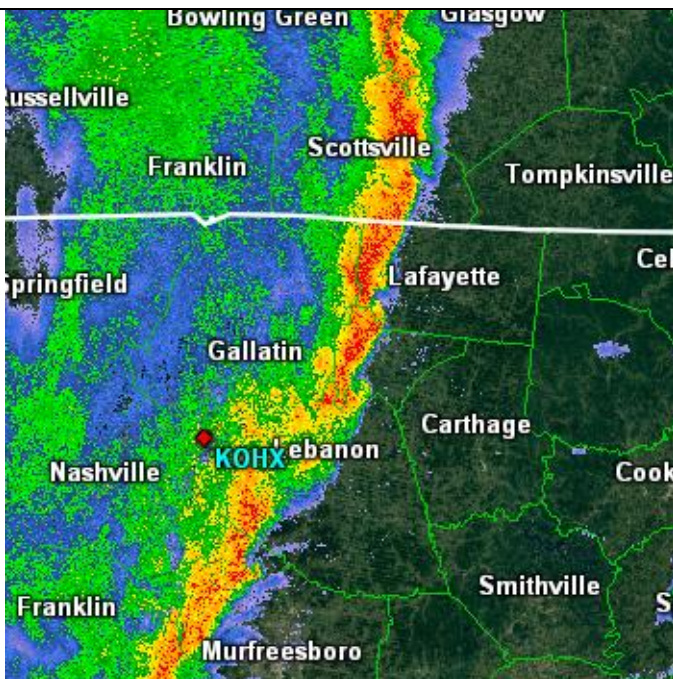
QLCS, 30 January 2013, 0912 UTC,
36.21° N, 86.77° W



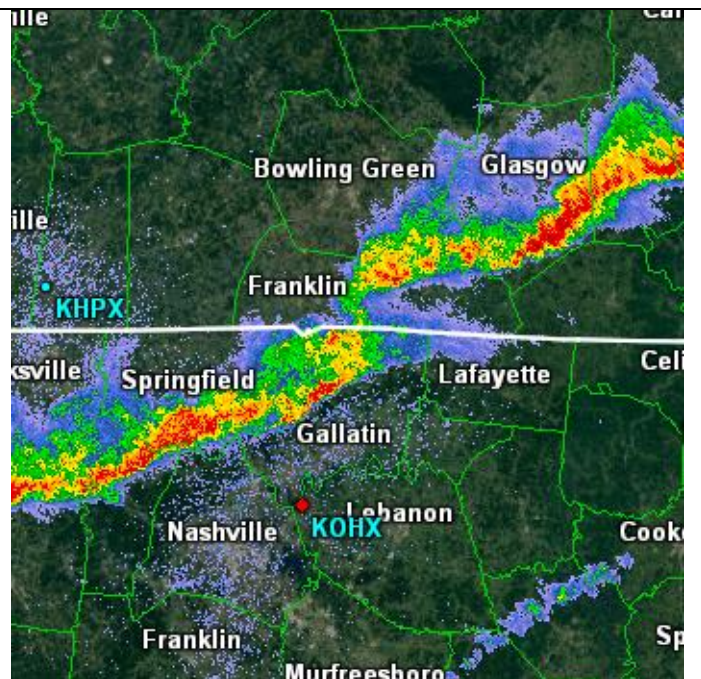
QLCS, 30 January 2013, 0923 UTC,
36.33° N, 86.55° W



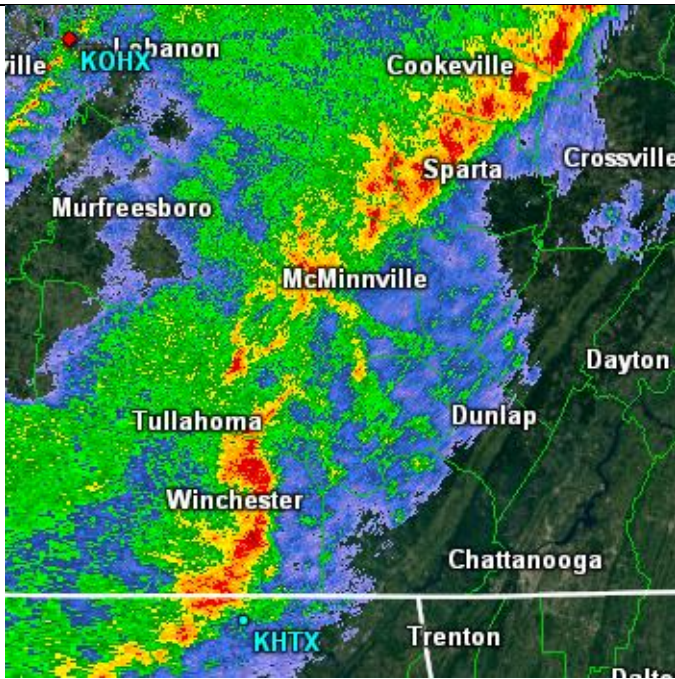
QLCS, 30 January 2013, 0934 UTC,
36.40° N, 86.34° W



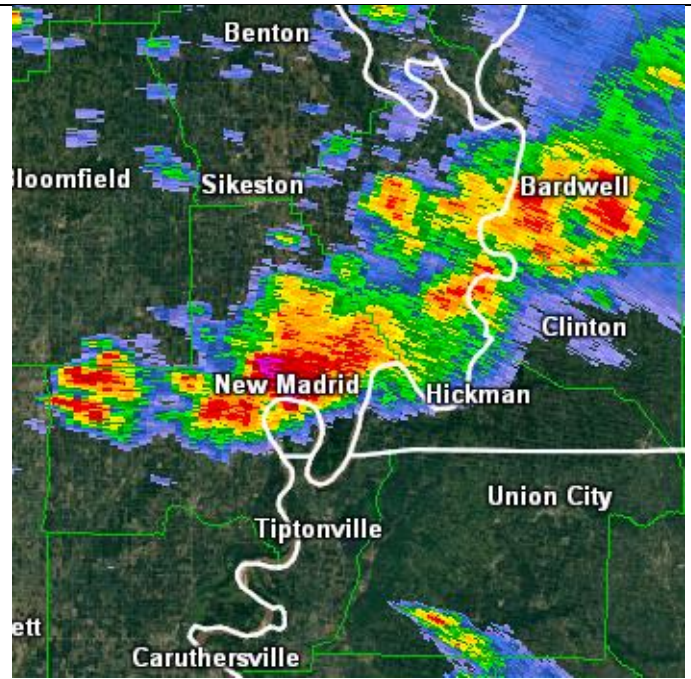
QLCS, 30 January 2013, 0947 UTC,
36.49° N, 86.15° W



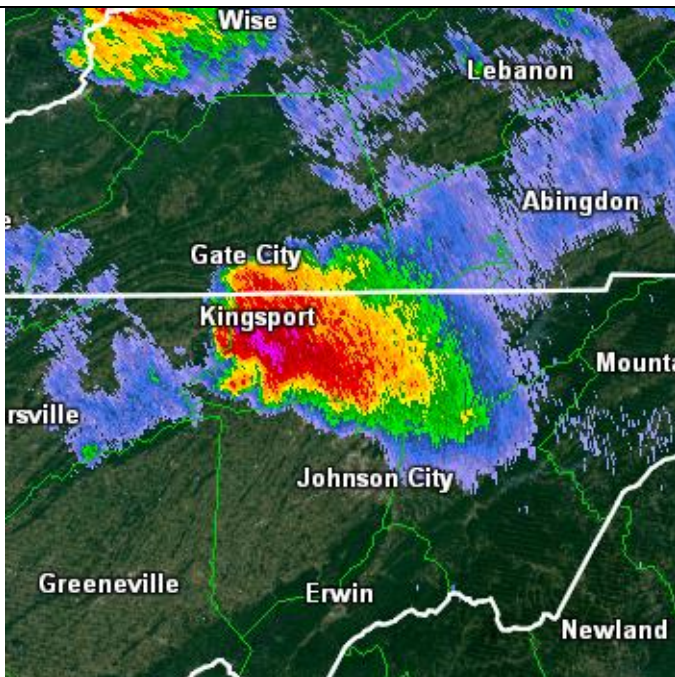
QLCS, 18 November 2013, 0042 UTC,
36.59° N, 86.52° W



QLCS, 21 February 2014, 0423 UTC,
35.29° N, 85.99° W



Cell in cluster, 7 June 2014, 1948 UTC,
36.56° N, 89.50° W



Discrete supercell, 27 July 2014, 2147 UTC,
36.45° N, 82.55° W