July 26, 2012

Twin tier tornado event
7 tornadoes during the afternoon 7/26
A 9 mile long EF1 through downtown Elmira
500 mb hts, vorticity, visible sat and obs
PIT 12z sounding and SPC outlook
0.5 degree reflectivity
0.5 degree storm relative motion
Rotational velocity

1.5 nm Supercell/QLCS V_r

Approximate 0-1 km helicity 7/26  0-1 km helicity (m^2 / s^2)

Rotational velocity over 1.5 nm - 1st couplet

Rotational velocity over 1.5 nm - 2nd couplet

Tornado  Tornado
Dual pol variables

ZDR arched around the old circulation, KDP max on the west side
Summary... a tornadic supercell over southern New York appeared to develop characteristics described in previous research...

- An arc of high ZDR developed from northeast to southwest around the primary circulation.
- A maxima of high KDP developed on the southwest side of circulation.