

MESOSCALE DISCUSSION 0982

NWS STORM PREDICTION CENTER NORMAN OK
0157 PM CDT THU MAY 26 2011

AREAS AFFECTED...MUCH OF UPSTATE NY AND NRN VT

CONCERNING...TORNADO WATCH 380...382...

VALID 261857Z - 262000Z

THE SEVERE WEATHER THREAT FOR TORNADO WATCH 380...382...CONTINUES.

BOUNDARY LAYER CONTINUES TO DESTABILIZE BENEATH NEUTRAL TO WEAK HEIGHT RISES OVER PA INTO VT. CU FIELD REFLECTS THIS LACK OF LARGE SCALE ASCENT WITH STRONGER UPDRAFTS CONGREGATING ALONG LAKE BREEZE IN THE LEE OF LO AND OVER HIGHER TERRAIN DUE TO UNEVEN HEATING. AS A RESULT ACTIVITY MAY STRUGGLE FOR ANOTHER FEW HOURS BUT WITH TIME ISOLATED-SCT SEVERE TSTMS SHOULD EVOLVE OVER THIS REGION AS VERY UNSTABLE AIR MASS IS IN PLACE.

..DARROW.. 05/26/2011

MESOSCALE DISCUSSION 0989

NWS STORM PREDICTION CENTER NORMAN OK
0541 PM CDT THU MAY 26 2011

AREAS AFFECTED...CNTRL/NRN NY INTO VT

CONCERNING...TORNADO WATCH 380...382...

VALID 262241Z - 262345Z

THE SEVERE WEATHER THREAT FOR TORNADO WATCH 380...382...CONTINUES.

THREAT OF DMGG WINDS...LARGE HAIL...AND TORNADOES CONTINUES ACROSS MUCH OF NY AND VT.

A FORCED LINE OF STORMS HAS FORMED IN ADVANCE OF A SLOW MOVING COLD FRONT...NOW ORIENTED ACROSS FAR NWRN PA/WRN NY NEWD INTO NRN VT. SLY LOW LEVEL WINDS HAVE SUPPORTED AN INFLUX OF GREATER LOW LEVEL MOISTURE...WHILE STRONG DIURNAL HEATING HAS EFFECTIVELY LED TO A MODERATELY UNSTABLE AIR MASS EXTENDING FROM THE UPPER MID ATLANTIC NWD INTO WRN NEW ENGLAND. A SERIES OF WEAK UPPER IMPULSES APPEAR TO BE LEADING TO A FEW CLUSTERS OF STORMS ACROSS THE WW AREA...THOUGH GENERALLY NEUTRAL HEIGHT CHANGE IS IMPEDING MORE WIDESPREAD DEVELOPMENT. HOWEVER...STEEP MID LEVEL LAPSE RATES NEAR 8 C/KM PER 18Z ALBANY SOUNDING AND STRONG CLOUD-BEARING SHEAR IN EXCESS OF 50 KTS WILL CONTINUE TO SUPPORT OCCASIONALLY ROTATING STRONG TO SEVERE STORMS.

..HURLBUT.. 05/26/2011