

MESOSCALE DISCUSSION 1583
NWS STORM PREDICTION CENTER NORMAN OK
0355 PM CDT THU JUL 16 2009

AREAS AFFECTED...PARTS OF THE DE RIVER VALLEY / UPSTATE NY / VT

CONCERNING...SEVERE THUNDERSTORM WATCH 587...

VALID 162055Z - 162200Z

THE SEVERE WEATHER THREAT FOR SEVERE THUNDERSTORM WATCH 587
CONTINUES.

STRONG TO SEVERE TSTMS WILL CONTINUE TO AFFECT THE DISCUSSION AREA
THROUGH THE LATE AFTERNOON INTO THE EARLY EVENING HOURS. THE MAIN
THREATS WITH THE STRONGER STORMS WILL CONTINUE TO BE ISOLD DMGG WIND
GUSTS AND MARGINALLY SEVERE HAIL.

RECENT RADAR MOSAIC SHOWS AN ARCING SCTD BAND OF STRONG/SEVERE
STORMS EXTENDING FROM EXTREME NERN ONTARIO INTO THE CHAMPLAIN VALLEY
SWD INTO NERN PA. SURFACE DATA/VISIBLE SATELLITE IMAGERY SHOW A
LAKE BREEZE ORIGINATING FROM LAKE ONTARIO HAS EFFECTIVELY STABILIZED
THE AIRMASS OVER THE ADIRONDACKS /W OF ONGOING STORMS OVER THE
CHAMPLAIN VALLEY/. THESE STORMS WILL LIKELY CONTINUE TO MAINTAIN
THEIR VIGOR FOR THE NEXT FEW HOURS BEFORE GRADUAL LOSS OF DAYTIME
HEATING CONTRIBUTES TO A LESS UNSTABLE AIRMASS AND AN OVERALL
WEAKENING TREND IN STORM INTENSITY. BEFORE THIS OCCURS...STRONG
DEEP LAYER SHEAR /35-50 KTS 0-6 KM/ IN AREA VWP DATA WILL SUPPORT
STORM ORGANIZATION WITH OCCASIONAL STORM-SCALE ROTATION POSSIBLE.

..SMITH.. 07/16/2009

ATTN...WFO...GYX...BOX...BTV...OKX...ALY...PHI...BGM...