

...PA/NY/WRN NEW ENGLAND TODAY...

A FEW THUNDERSTORMS ARE ONGOING OVER ERN NY IN A ZONE OF LOW-MID LEVEL WAA AND ASCENT DOWNSTREAM FROM A WEAK LEAD SHORTWAVE TROUGH MOVING EWD FROM CENTRAL NY. FARTHER W...A DIFFUSE COLD FRONT IS MOVING EWD INTO WRN PA/NY AND THIS BOUNDARY WILL CONTINUE EWD INTO CENTRAL PA/NY THIS AFTERNOON. SURFACE HEATING WITHIN CLOUD BREAKS IN THE WAKE OF THE MORNING CONVECTION AND THE ARRIVAL OF THE COLD FRONT AND ADDITIONAL/SUBTLE MID LEVEL SPEED MAXIMA FROM THE W WILL SUPPORT THUNDERSTORM DEVELOPMENT DURING THE AFTERNOON ACROSS CENTRAL/ERN PA/NY. SURFACE TEMPERATURES AOA 80 F AND DEWPOINTS IN THE MID 60S WILL SUPPORT MLCAPE OF 1000-1500 J/KG IN AN ENVIRONMENT WITH UNIDIRECTIONAL WIND PROFILES...AND AN ATTENDANT THREAT FOR AT LEAST ISOLATED DAMAGING WINDS AND MARGINALLY SEVERE HAIL INTO THIS EVENING.

...NORTHEAST...

MID-LEVEL FORCING DURING THE DAYTIME HOURS APPEARS WEAK/UNCERTAIN ...BUT WEAK TO MODERATE DESTABILIZATION IS EXPECTED TO ACCOMPANY THE RETURN OF 60F+ SURFACE DEW POINTS...AND SEASONABLY STRONG HEATING BENEATH FAIRLY COOL...CYCLONIC MID-LEVEL FLOW DOWNSTREAM OF THE DIGGING LOW. AS THIS OCCURS...SCATTERED THUNDERSTORM ACTIVITY SEEMS LIKELY TO INITIATE ACROSS AT LEAST THE POCONOS/ CATSKILLS AND ADIRONDACKS DURING THE MIDDAY AND AFTERNOON HOURS ...BEFORE SPREADING EASTWARD THROUGH THE HUDSON/CHAMPLAIN VALLEYS. MID-LEVEL WESTERLY FLOW ON THE ORDER OF 30-40 KTS AT AROUND 500 MB WILL BE SUFFICIENT TO CONTRIBUTE TO AT LEAST BRIEF MID-LEVEL UPDRAFT ROTATION AND MODEST STORM MOTIONS...FAVORABLE FOR HAIL POTENTIALLY DAMAGING WIND GUSTS IN STRONGEST CELLS.