

DATE:

MOISTURE
SFC DEWPOINT: < 50 F 50-58 F 58-64 F 64-70 F > 70 F
850 MB DEWPOINT: < 6 C 6-8 C 8-12 C 12-16 C 16-20 C > 20 C
MOISTURE DEPTH: < 50 MB 50-100 MB 100-200 MB 200-300 MB 300-400 MB > 400 MB
PWAT: VALUE _____ PERCENTILE _____
INSTABILITY
700-500 MB LAPSE RATE: < 6 C/KM 6-7 C/KM 7-8 C/KM 8-9 C/KM > 9 C/KM
850-500 MB LAPSE RATE: < 6 C/KM 6-7 C/KM 7-8 C/KM 8-9 C/KM > 9 C/KM
CAPE (PARCEL _____): < 500 J/KG 500-1000 J/KG 1000-2500 J/KG 2500-3500 J/KG > 3500 J/KG
CONVECTIVE MODE
VEERING WIND PROFILE: UNIDIRECTIONAL MODERATE STRONG
ORIENTATION OF DEEP SHEAR VECTORS: < 30-DEG 30-60 DEG 60-90 DEG
ORIENTATION OF MEAN FLOW: <30-DEG 30-60 DEG 60-90 DEG
SUBCLOUD RH: < 30% 30-50% 50-70% > 70%
FORCING: SUBTLE WEAK MODERATE STRONG VERY STRONG
STORM TYPE
HODOGRAPH TYPE: DISORGANIZED SHORT/STRAIGHT LONG/STRAIGHT SHORT/CURVED LONG/CURVED LARGE CURVATURE _____
0-6 KM BULK SHEAR: < 30 KT 30-40 KT 40-50 KT 50-60 KT > 60 KT
0-3 KM SRH: < 100 M2/S2 100-150 M2/S2 150-250 M2/S2 250-400 M2/S2 > 400 M2/S2

TORNADO

BOUNDARY INTERACTION: NO YES→BOUNDARY TYPE_____

0-1 KM SRH: < 50 M2/S2 50-100 M2/S2 100-200 M2/S2 200-300 M2/S2 > 300 M2/S2

0-1 KM BULK SHEAR: < 10 KT 10-20 KT 20-30 KT 30-40 KT > 40 KT

LCL HEIGHT: < 500 M 500-1000 M 1000-1500 M 1500-2000 M > 2000 M

LFC HEIGHT: < 1000 M 1000-1500 M 1500-2000 M 2000-3000 M > 3000 M

0-3 KM CAPE: < 25 J/KG 25-50 J/KG 50-100 J/KG 100-200 J/KG 200-400 J/KG > 400 J/KG

HAIL

CAPE IN THE HAIL GROWTH ZONE (-10 TO -30 DEG C): SMALL MODERATE LARGE

700-500 MB LAPSE RATE: < 6 C/KM 6-7 C/KM 7-8 C/KM 8-9 C/KM > 9 C/KM

0-6 KM BULK SHEAR: < 30 KT 30-40 KT 40-50 KT 50-60 KT > 60 KT

MELTING POTENTIAL: LOW MODERATE LARGE

WIND

0-3 KM LAPSE RATE: < 7 C/KM 7-8 C/KM 8-9 C/KM > 9 C/KM

THETA-E DIFF (B/W SFC AND MID-LEVELS): < 10 K 10-20 K 20-30 K 30-40 K > 40 K

COLD POOL POTENTIAL: LOW MODERATE LARGE

MODERATE/STRONG UNIDIRECTIONAL WIND PROFILE: NO YES

0-3 KM BULK SHEAR: < 10 KT 10-20 KT 20-30 KT 30-40 KT > 40 KT

0-10 KM BULK SHEAR: < 20 KT 20-30 KT 30-40 KT 40-50 KT 50-60 KT > 60 KT

0-10 KM MEAN WIND: < 20 KT 20-30 KT 30-40 KT 40-50 KT 50-60 KT > 60 KT