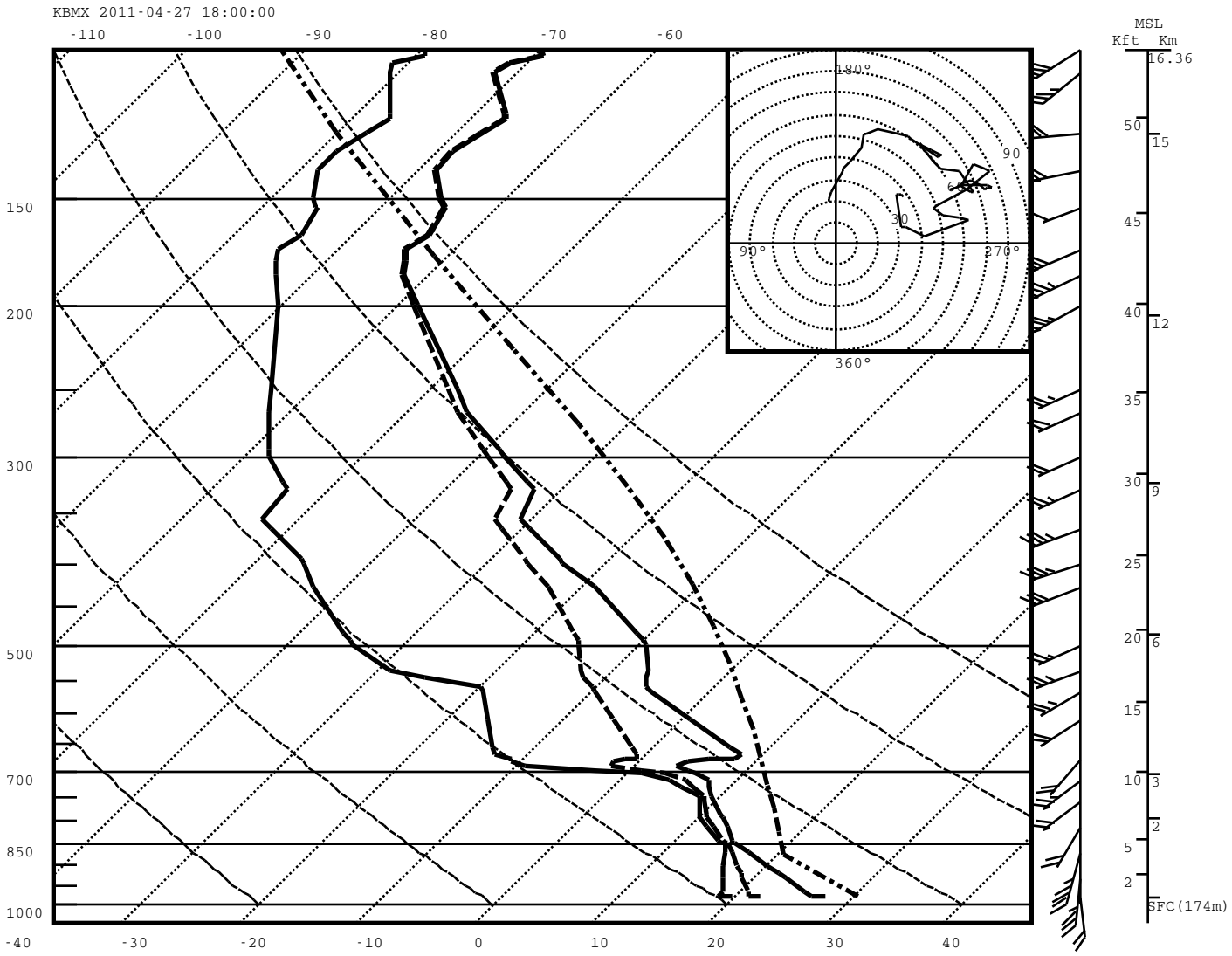

THERMODYNAMIC PARAMETERS

```
        *** MOST UNSTABLE PARCEL ***
LPL:    984mb    27C/19C    82F/67F

CAPE =  2995  J/KgLI(500mb) =   -7C
BFZL =  345 J/KgLImin =   -11C / 357mb
CINH =  0 J/KgCap =     0C / 875mb

LEVEL         PRES         HGT(AGL)         TEMP
_____________________________________________________
LCL           875mb            3350ft
LFC           875mb            3350ft         18C
EL            166mb           43073ft        -63C
MPL         M                  M
```

```
P. Water = 1.44 in          Mean RH  = 33 %
Mean W   = 13.8g/Kg         Mean LRH = 78 %
Top of Moist Lyr =  705 mb / 9317 ft
```

```
700-500mb Lapse Rate =  15 C / 5.7  C/Km
850-500mb Lapse Rate =  27 C / 6.2  C/Km
```

```
Total Totals = 48         K-Index   = 31
SWEAT Index  = 462         Max Temp  = 85F
ThetaE Diff  = 27C         Conv Temp = 82F
WBZ level    = 9662ft     FGZ level = 13554ft
```

KINEMATIC PARAMETERS

```
                    MEAN WIND
Sfc - 6 km_225 /      58 kt     (30 m/s)
LFC - EL_232 /      60 kt     (31 m/s)
850 - 200 mb_233 /      61 kt     (31 m/s)

             ENVIRONMENTAL SHEAR
LAYER_DELTA V_TOT SHR
Low - 3 km_ 42 kt ( 22 m/s)_73
Sfc - 2 km_ 38 kt ( 19 m/s)_97
Sfc - 6 km_ 61 kt ( 31 m/s)_52
Sfc - 12 km_ 61 kt ( 31 m/s)_26
BRN Shear _=     138 m²/s²
```

STORM STRUCTURE PARAMETERS

```
Sfc - 3km SREH =          570 m²/s²
Eff. SREH _=     570 m²/s²
EHI  _=       10.7          BRN  _=         22
         ------ SR WINDS ------
LAYER_VECTOR
Sfc - 2 km_117 /   36 kt  ( 18 m/s)
4 - 6 km  _248 /   16 kt  (  8 m/s)
9 - 11 km_257 /   13 kt  (  7 m/s)
```

Output produced by: NCO-SIB AWIPS2 NSHARP
National SkewT-Hodograph Analysis and Research Program