

```

VELES
VEF 210712/0000

-----
LEVEL      HGHT      TEMP      DWPT      WDIR      WSPD
-----
%RAW%
1000.00,   -6.00,  -9999.00, -9999.00, -9999.00, -9999.00
 927.00,   697.00,   44.20,    8.20,    105.00,    2.99
 925.00,   721.00,   43.80,    8.80,    110.00,    2.99
 912.00,   852.50,   41.40,   11.40,   -9999.00, -9999.00
 905.90,   914.00,   40.81,   11.29,   135.00,    4.00
 876.26,  1219.00,   37.88,   10.72,    80.00,    4.00
 850.00,  1498.00,   35.20,   10.20,   220.00,    2.99
 819.10,  1829.00,   32.13,    8.76,   160.00,    8.00
 791.61,  2134.00,   29.29,    7.43,   195.00,    6.99
 765.14,  2438.00,   26.47,    6.11,   215.00,    6.00
 759.00,  2510.01,   25.80,    5.80,   -9999.00, -9999.00
 738.94,  2743.00,   23.75,    4.41,   250.00,    6.99
 700.00,  3214.00,   19.60,    1.60,   300.00,    4.99
 664.12,  3658.00,   15.64,   -1.24,   305.00,    6.00
 617.88,  4267.00,   10.21,   -5.13,   320.00,    6.00
 608.00,  4402.97,    9.00,   -6.00,   -9999.00, -9999.00
 573.59,  4877.00,    4.54,   -7.17,   345.00,    4.00
 537.00,  5413.41,   -0.50,   -8.50,   -9999.00, -9999.00
 500.00,  5980.00,   -4.50,  -12.50,   315.00,    4.00
 492.68,  6096.00,   -5.50,  -13.50,   325.00,    4.00
 484.00,  6235.89,   -6.70,  -14.70,   -9999.00, -9999.00
 472.00,  6432.00,   -8.30,  -14.30,   -9999.00, -9999.00
 456.00,  6699.90,   -9.50,  -19.50,   -9999.00, -9999.00
 431.00,  7133.66,  -13.30,  -20.30,   -9999.00, -9999.00
 418.00,  7366.91,  -14.70,  -22.70,   -9999.00, -9999.00
 413.00,  7458.22,  -15.10,  -25.10,   -9999.00, -9999.00
 409.00,  7531.95,  -15.50,  -23.50,   -9999.00, -9999.00
 404.26,  7620.00,  -16.13,  -24.65,   345.00,    8.00
 400.00,  7700.00,  -16.70,  -25.70,   355.00,    8.00
 398.00,  7737.46,  -17.10,  -26.10,   -9999.00, -9999.00
 395.00,  7793.95,  -17.10,  -25.10,   -9999.00, -9999.00
 390.00,  7889.05,  -17.10,  -39.10,   -9999.00, -9999.00
 385.00,  7985.26,  -17.50,  -55.50,   -9999.00, -9999.00
 342.36,  8839.00,  -24.53,  -53.31,    30.00,    4.99
 328.29,  9144.00,  -27.04,  -52.53,    0.00,   15.00
 314.00,  9467.74,  -29.70,  -51.70,   -9999.00, -9999.00
 300.00,  9790.00,  -31.70,  -50.70,   355.00,   12.00
 292.00,  9981.56,  -32.70,  -52.70,   -9999.00, -9999.00
 288.84, 10058.00,  -33.32,  -52.21,   345.00,   14.01
 278.00, 10327.03,  -35.50,  -50.50,   -9999.00, -9999.00
 273.00, 10453.63,  -36.50,  -55.50,   -9999.00, -9999.00
 264.67, 10668.00,  -38.28,  -49.66,   355.00,   10.99
 260.00, 10791.25,  -39.30,  -46.30,   -9999.00, -9999.00
 253.19, 10973.00,  -40.52,  -49.55,   325.00,   13.00
 250.00, 11060.00,  -41.10,  -51.10,   325.00,   16.01
 246.00, 11168.98,  -42.10,  -55.10,   -9999.00, -9999.00
 232.00, 11561.12,  -45.50,  -54.50,   -9999.00, -9999.00
 231.27, 11582.00,  -45.68,  -55.16,   355.00,   18.01
 220.00, 11911.58,  -48.50,  -65.50,   -9999.00, -9999.00
 211.00, 12184.04,  -50.70,  -67.70,   -9999.00, -9999.00
 210.74, 12192.00,  -50.75,  -67.84,   330.00,   17.00
 200.00, 12530.00,  -52.70,  -73.70,   340.00,   23.00
 199.00, 12562.43,  -52.90,  -73.90,   -9999.00, -9999.00
 192.00, 12793.17,  -54.50,  -68.50,   -9999.00, -9999.00
 191.73, 12802.00,  -54.56,  -68.64,   340.00,   27.00
 174.00, 13419.36,  -58.50,  -78.50,   -9999.00, -9999.00
 169.00, 13602.43,  -60.10,  -74.10,   -9999.00, -9999.00
 156.00, 14099.38,  -63.30,  -82.30,   -9999.00, -9999.00
 150.00, 14340.00,  -65.10,  -83.10,   355.00,   22.01
 131.00, 15153.84,  -70.50,  -85.50,   -9999.00, -9999.00
 129.11, 15240.00,  -70.50,  -85.24,   15.00,   10.00
 124.00, 15479.48,  -70.50,  -84.50,   -9999.00, -9999.00
 120.00, 15673.44,  -71.50,  -85.50,   -9999.00, -9999.00
 117.00, 15822.98,  -71.10,  -86.10,   -9999.00, -9999.00
 113.00, 16027.94,  -72.50,  -86.50,    80.00,   13.00
 108.00, 16294.98,  -70.50,  -87.50,   -9999.00, -9999.00
 100.00, 16750.00,  -71.70,  -87.70,   170.00,   10.00
 93.90, 17120.49,  -72.10,  -88.10,   -9999.00, -9999.00
 91.20, 17292.83,  -70.30,  -88.30,   -9999.00, -9999.00
 81.80, 17938.55,  -70.10,  -90.10,   -9999.00, -9999.00
 79.60, 18101.03,  -68.70,  -90.70,   -9999.00, -9999.00
 77.14, 18288.00,  -69.53,  -91.53,   130.00,   10.99
 74.90, 18463.55,  -70.30,  -92.30,   -9999.00, -9999.00
 71.60, 18733.26,  -66.70,  -91.70,   -9999.00, -9999.00
 70.00, 18870.00,  -65.90,  -91.90,   110.00,   22.01
 65.70, 19254.87,  -65.90,  -92.90,   -9999.00, -9999.00
 64.00, 19415.03,  -63.30,  -92.30,   -9999.00, -9999.00
 63.06, 19507.00,  -62.84,  -92.08,    50.00,   24.01
 60.03, 19812.00,  -61.32,  -91.36,   100.00,   16.01
 57.15, 20117.00,  -59.80,  -90.64,   130.00,    6.99
 56.60, 20177.18,  -59.50,  -90.50,   -9999.00, -9999.00
 54.00, 20470.38,  -61.10,  -92.10,   -9999.00, -9999.00
 51.83, 20726.00,  -60.35,  -91.35,    70.00,   24.01
 50.00, 20950.00,  -59.70,  -90.70,    95.00,   27.99
 49.36, 21031.00,  -59.41,  -90.57,    90.00,   27.99
 47.02, 21336.00,  -58.30,  -90.08,    90.00,   16.01
 46.20, 21446.63,  -57.90,  -89.90,   -9999.00, -9999.00
 43.60, 21811.58,  -58.50,  -89.50,   -9999.00, -9999.00
 42.68, 21946.00,  -57.84,  -89.14,    85.00,   31.00
 40.60, 22262.42,  -56.30,  -88.30,   -9999.00, -9999.00
 37.80, 22721.45,  -51.70,  -84.70,   -9999.00, -9999.00
 37.00, 22860.00,  -51.78,  -84.78,    90.00,   31.99
 35.30, 23165.00,  -51.95,  -84.95,   110.00,   27.99
 33.68, 23470.00,  -52.12,  -85.12,   100.00,   25.99
 32.13, 23774.00,  -52.30,  -85.30,    85.00,   25.99
 32.10, 23781.01,  -52.30,  -85.30,   -9999.00, -9999.00
 30.00, 24220.00,  -51.30,  -84.30,    90.00,   24.01
 29.26, 24384.00,  -50.66,  -83.93,   100.00,   21.00
 27.92, 24689.00,  -49.47,  -83.23,   110.00,   18.01
 27.30, 24836.46,  -48.90,  -82.90,   -9999.00, -9999.00
 26.65, 24994.00,  -48.82,  -82.82,    65.00,   20.01
 24.30, 25602.16,  -48.50,  -82.50,   -9999.00, -9999.00
 23.19, 25908.00,  -49.52,  -83.52,    95.00,   27.00
 23.00, 25963.16,  -49.70,  -83.70,   -9999.00, -9999.00
 22.14, 26213.00,  -49.48,  -83.48,    75.00,   36.00
 20.00, 26880.00,  -48.90,  -82.90,    70.00,   33.99
 19.80, 26945.86,  -49.10,  -83.10,   -9999.00, -9999.00
 18.39, 27432.00,  -47.22,  -81.85,    70.00,   31.99
 17.60, 27722.55,  -46.10,  -81.10,   -9999.00, -9999.00
 17.56, 27737.00,  -46.10,  -81.10,    70.00,   37.01
 15.70, 28480.87,  -46.10,  -81.10,   -9999.00, -9999.00
 15.30, 28651.00,  -45.25,  -80.63,    95.00,   37.01
 14.70, 28919.86,  -43.90,  -79.90,   -9999.00, -9999.00
 13.97, 29261.00,  -44.95,  -80.29,    85.00,   33.99
 13.60, 29439.34,  -45.50,  -80.50,   -9999.00, -9999.00
 13.35, 29566.00,  -45.15,  -80.27,   105.00,   33.99
 11.70, 30447.06,  -42.70,  -78.70,   -9999.00, -9999.00
 11.64, 30480.00,  -42.85,  -78.85,    85.00,   35.00
 11.10, 30800.52,  -44.30,  -80.30,   -9999.00, -9999.00
 10.00, 31500.00,  -43.50,  -79.50,    90.00,   45.01
 9.28, 32004.00,  -42.73,  -78.73,    90.00,   50.00
 8.90, 32285.45,  -42.30,  -78.30,   -9999.00, -9999.00
%END%

----- Parcel Information-----
*** 100mb MIXED LAYER PARCEL ***
LPL: P=927 T=110F Td=52F
MLCAPE: 1157 J/kg
MLCINH: -44 J/kg
MLLI: -3 C
MLLI(300mb): -5 C
3km MLCAPE: 0 J/kg
NCAPE: 0.14 m/s2

MLLCL: 584mb 4029m
MLLFC: 564mb 4323m
MLEL: 174mb 12722m
MLMPL: 99mb 16112m
All heights AGL

*** MU PARCEL IN LOWEST 400mb ***
LPL: P=912 T=107F Td=53F
MUCAPE: 1359 J/kg
MUCINH: -61 J/kg
MULI: -3 C
MULI(300mb): -5 C
3km MUCAPE: 0 J/kg
NCAPE: 0.16 m/s2

MULCL: 594mb 3898m
MULFC: 574mb 4180m
MUEL: 169mb 12905m
MUMPL: 97mb 16232m
All heights AGL

*** SFC PARCEL ***
LPL: P=927 T=112F Td=47F
SBCAPE: 596 J/kg
SBCINH: -13 J/kg
SBLI: -2 C
SBLI(300mb): -3 C
3km SBCAPE: 0 J/kg
NCAPE: 0.08 m/s2

SBLCL: 555mb 4453m
SBLFC: 545mb 4601m
SBEL: 200mb 11833m
SBMPL: 123mb 14830m
All heights AGL

----- Misc Thermodynamic Parameters -----
Melting Level: 15294.3
Conv Temp: 44.7
WBZ height: 12953.3
DCAPE: 2178.1

----- Moisture -----
Precip Water: 1.19 in
0-1 km mean W: 8.8 g/Kg
0-3 km mean W: 7.7 g/Kg
SFC-850 mb mean W: 8.8 g/Kg

500 mb W: 2.9 g/Kg
700 mb W: 6.2 g/Kg
850 mb W: 9.3 g/Kg
925 mb W: 7.7 g/Kg
SFC RH: 11 %

-----Delta T and Lapse Rates -----
700-500mb 24 C 8.7 C/km
850-500mb 40 C 8.9 C/km
0-3 km 29 C 9.6 C/km
3-6 km 26 C 8.7 C/km

----- Vertical Shear -----
0-1 km BWD 5 kt
0-3 km BWD 9 kt
0-6 km BWD 8 kt
0-6 km mean wind 1.6 kt

----- Storm Relative Winds/Shear -----
Bunkers storm motion 75/13 kt
0-1 km SRH -17 ms/s2
0-3 km SRH 43 ms/s2

----- Effective Inflow Layer Parameters -----
Effective inflow base 0 m AGL
Effective inflow top 2517 m AGL
Effective SRH 38 ms/s2
Effective BWD 5 kt

----- Composite Parameters -----
Effective-layer SCP 0.0
Effective-layer STP 0.0
Fixed-layer STP 0.0
SHIP 0.1

----- Fire Weather -----
Fosberg Index 10

```