

```

VEF 230717/0000
=====
LEVEL      HGHT      TEMP      DWPT      WDIR      WSPD
-----
$RAW$
1000.00,   12.00,  -9999.00, -9999.00, -9999.00, -9999.00
930.00,   697.00,   46.40,    0.40,   155.00,    2.00
925.00,   751.00,   44.40,   -1.60,   90.00,    4.00
921.00,   791.12,  43.60,   -2.40,   90.00,    4.00
919.00,   811.25,  43.20,   -2.80, -9999.00, -9999.00
918.00,   821.31,  43.20,   -2.80, -9999.00, -9999.00
910.00,   901.23,  42.34,   -2.75,  115.00,    6.00
898.00,  1022.43,  41.02,   -2.69,  195.00,    4.99
881.00,  1196.94,  39.14,   -2.59,  150.00,    4.00
871.00,  1301.17,  38.01,   -2.53,  160.00,    6.99
863.00,  1385.42,  37.10,   -2.48,  130.00,    6.99
852.00,  1502.54,  35.83,   -2.41,  145.00,    4.00
850.00,  1524.00,  35.60,   -2.40,  135.00,    4.99
831.00,  1723.42,  33.71,   -2.40,  100.00,    6.99
823.00,  1808.75,  32.90,   -2.40,  290.00,    0.99
797.00,  2091.92,  30.22,   -2.40,   95.00,    8.00
784.00,  2236.99,  28.84,   -2.40,  135.00,   10.99
765.00,  2453.41,  26.79,   -2.40,  175.00,    2.99
741.00,  2734.58,  24.12,   -2.40,  115.00,    8.99
702.00,  3211.52,  19.60,   -2.40, -9999.00, -9999.00
700.00,  3236.00,  19.00,   -3.00,  160.00,   12.00
697.00,  3272.19,  18.68,   -3.50,  155.00,   13.00
680.00,  3480.28,  16.82,   -6.39,  125.00,    4.00
665.00,  3668.25,  15.14,   -9.00,  185.00,    2.00
646.00,  3912.52,  12.97,  -12.39,   95.00,    2.99
640.00,  3991.16,  12.27,  -13.48,  115.00,    2.99
624.00,  4204.51,  10.36,  -16.44,   20.00,    2.99
621.00,  4245.12,  10.00,  -17.00, -9999.00, -9999.00
615.00,  4324.36,   9.26,  -17.22,   35.00,    2.99
603.00,  4485.19,   7.75,  -17.68,  345.00,    4.99
591.00,  4649.26,   6.21,  -18.15,  10.00,    2.99
585.00,  4732.54,   5.43,  -18.38,  345.00,    2.99
579.00,  4816.68,   4.64,  -18.62,   70.00,    0.99
572.00,  4915.96,   3.71,  -18.90,  350.00,    4.00
555.00,  5162.21,   1.40,  -19.60, -9999.00, -9999.00
548.00,  5262.89,   0.56,  -21.41,  10.00,    6.00
541.00,  5364.86,  -0.29,  -23.25,  335.00,    2.99
533.00,  5483.03,  -1.27,  -25.37,  285.00,    2.00
526.00,  5587.90,  -2.15,  -27.26,  295.00,    0.99
519.00,  5694.17,  -3.03,  -29.18,  180.00,    0.99
514.00,  5770.95,  -3.67,  -30.56,  225.00,    2.00
509.00,  5848.49,  -4.32,  -31.95,  205.00,    2.00
500.00,  5990.00,  -5.50,  -34.50,  240.00,    4.00
498.00,  6021.40,  -5.90,  -34.90, -9999.00, -9999.00
496.00,  6052.63,  -6.17,  -34.83,  235.00,    4.99
479.00,  6323.25,  -8.46,  -34.26,  185.00,    6.00
463.00,  6586.87, -10.70,  -33.70, -9999.00, -9999.00
456.00,  6703.82, -11.07,  -36.38,  210.00,    6.00
448.00,  6839.71, -11.50,  -39.50, -9999.00, -9999.00
445.00,  6891.21, -11.50,  -41.50, -9999.00, -9999.00
440.00,  6977.42, -12.06,  -44.63,  175.00,   12.00
424.00,  7260.01, -13.90,  -54.90, -9999.00, -9999.00
416.00,  7403.88, -14.86,  -52.44,  180.00,   14.01
401.00,  7681.25, -16.70,  -47.70, -9999.00, -9999.00
400.00,  7700.00, -16.90,  -47.90,  150.00,   10.99
374.00,  8195.72, -20.59,  -41.66,  110.00,   16.01
347.00,  8748.41, -24.70,  -34.70,   70.00,   10.00
330.00,  9110.71, -27.19,  -39.39,   40.00,   4.99
324.00,  9243.06, -28.10,  -41.10, -9999.00, -9999.00
319.00,  9354.27, -28.90,  -39.90, -9999.00, -9999.00
306.00,  9649.49, -30.93,  -39.22,  255.00,    2.00
300.00,  9790.00, -31.90,  -38.90,  250.00,    6.00
275.00, 10402.47, -36.10,  -42.10, -9999.00, -9999.00
274.00, 10427.82, -36.27,  -42.41,  240.00,   18.01
268.00, 10581.90, -37.30,  -44.30, -9999.00, -9999.00
250.00, 11060.00, -41.70,  -46.70,  245.00,   17.00
248.00, 11114.27, -42.19,  -47.05,  250.00,   17.00
242.00, 11279.73, -43.70,  -48.10, -9999.00, -9999.00
235.00, 11476.57, -45.10,  -51.10, -9999.00, -9999.00
232.00, 11561.48, -45.59,  -52.53,  260.00,   22.01
205.00, 12379.20, -50.30,  -66.30, -9999.00, -9999.00
200.00, 12540.00, -51.70,  -67.70,  270.00,   36.00
194.00, 12736.10, -52.88,  -68.39,  265.00,   40.00
188.00, 12938.37, -54.10,  -69.10, -9999.00, -9999.00
178.00, 13286.12, -56.90,  -72.90, -9999.00, -9999.00
176.00, 13357.31, -57.46,  -72.66,  265.00,   33.99
173.00, 13465.64, -58.30,  -72.30, -9999.00, -9999.00
159.00, 13989.70, -61.60,  -72.85,  285.00,   35.00
153.00, 14228.58, -63.10,  -73.10, -9999.00, -9999.00
150.00, 14350.00, -63.70,  -74.70,  285.00,   27.99
141.00, 14728.63, -65.10,  -78.10, -9999.00, -9999.00
134.00, 15038.72, -65.56,  -78.56,  305.00,   12.00
132.00, 15130.30, -65.70,  -78.70, -9999.00, -9999.00
126.00, 15410.74, -66.91,  -80.25,  190.00,    0.99
124.00, 15507.20, -67.33,  -80.79,  290.00,    0.99
122.00, 15605.22, -67.76,  -81.33,  265.00,    2.99
118.00, 15806.18, -68.63,  -82.44,  345.00,    2.00
117.00, 15857.49, -68.85,  -82.72,   25.00,    2.00
115.00, 15961.43, -69.30,  -83.30, -9999.00, -9999.00
113.00, 16065.75, -69.73,  -83.52,  200.00,    0.99
111.00, 16171.93, -70.17,  -83.73,   45.00,    2.99
108.00, 16334.85, -70.84,  -84.07,   20.00,    0.99
106.00, 16446.00, -71.30,  -84.30, -9999.00, -9999.00
103.00, 16615.62, -71.90,  -84.90, -9999.00, -9999.00
100.00, 16790.00, -71.90,  -84.90,  120.00,   10.00
99.30, 16831.08, -72.10,  -85.10, -9999.00, -9999.00
95.32, 17069.00, -73.39,  -87.11,  130.00,   12.00
93.80, 17162.63, -73.90,  -87.90, -9999.00, -9999.00
87.90, 17537.43, -75.50,  -88.50,  110.00,   2.99
78.20, 18215.77, -71.70,  -84.70, -9999.00, -9999.00
77.25, 18288.00, -71.32,  -84.77,   95.00,    6.00
73.36, 18593.00, -69.74,  -85.05,   20.00,    2.99
70.00, 18870.00, -68.30,  -85.30,   80.00,    8.00
63.11, 19507.00, -63.56,  -84.77,   15.00,   13.00
60.06, 19812.00, -61.29,  -84.52,   50.00,   19.00
57.50, 20079.58, -59.30,  -84.30, -9999.00, -9999.00
54.43, 20422.00, -61.07,  -85.48,   80.00,   27.00
52.40, 20658.88, -62.30,  -86.30, -9999.00, -9999.00
51.20, 20802.56, -61.70,  -85.70, -9999.00, -9999.00
50.00, 20950.00, -61.30,  -85.30,   85.00,   17.00
49.60, 20999.75, -61.10,  -85.10, -9999.00, -9999.00
47.00, 21336.00, -59.39,  -84.61,   90.00,  14.01
45.40, 21551.60, -58.30,  -84.30, -9999.00, -9999.00
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39.60, 22412.46, -57.30,  -82.30, -9999.00, -9999.00
36.90, 22858.89, -56.30,  -81.30, -9999.00, -9999.00
35.17, 23165.00, -55.53,  -81.01,   80.00,   29.00
33.52, 23470.00, -54.76,  -80.72,   90.00,  23.00
33.40, 23492.69, -54.70,  -80.70, -9999.00, -9999.00
31.40, 23887.39, -54.10,  -80.10, -9999.00, -9999.00
30.00, 24180.00, -53.10,  -79.10,   85.00,  27.99
29.90, 24201.48, -53.10,  -79.10, -9999.00, -9999.00
29.07, 24384.00, -52.66,  -78.66,   95.00,   31.00
27.70, 24694.60, -51.90,  -77.90, -9999.00, -9999.00
26.60, 24956.64, -52.10,  -78.10, -9999.00, -9999.00
25.24, 25298.00, -51.25,  -77.25,  100.00,  22.01
24.40, 25516.43, -50.70,  -76.70, -9999.00, -9999.00
23.90, 25651.17, -50.50,  -76.50, -9999.00, -9999.00
22.97, 25908.00, -50.68,  -76.23,   75.00,   13.00
21.90, 26219.65, -50.90,  -75.90, -9999.00, -9999.00
20.92, 26518.00, -50.70,  -76.20,   75.00,  29.99
20.00, 26810.00, -50.50,  -76.50,   80.00,  25.99
19.96, 26822.00, -50.48,  -76.48,   80.00,  21.00
19.40, 27008.83, -50.10,  -76.10, -9999.00, -9999.00
19.05, 27127.00, -49.87,  -75.87,   85.00,  29.99
18.20, 27426.75, -49.30,  -75.30, -9999.00, -9999.00
18.19, 27432.00, -49.29,  -75.29,   95.00,  25.99
17.60, 27646.85, -48.70,  -74.70, -9999.00, -9999.00
16.90, 27914.04, -48.10,  -74.10, -9999.00, -9999.00
16.20, 28192.78, -48.30,  -74.30, -9999.00, -9999.00
15.83, 28346.00, -47.99,  -73.99,   90.00,  33.99
14.60, 28879.83, -46.90,  -72.90, -9999.00, -9999.00
12.58, 29870.00, -45.08,  -71.08,   80.00,  29.00
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10.50, 31087.99, -41.30,  -69.30, -9999.00, -9999.00
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10.00, 31420.00, -40.50,  -67.50,   80.00,  44.00
9.80, 31557.62, -40.50,  -67.50, -9999.00, -9999.00
9.70, 31627.48, -40.50,  -67.50, -9999.00, -9999.00
9.20, 31987.67, -40.90,  -68.90, -9999.00, -9999.00
$END$

----- Parcel Information-----
*** 100mb MIXED LAYER PARCEL ***
LPL: P=930 T=112F Td=29F
MLCAPE:      0 J/Kg
MLCINH:      0 J/Kg
MLLI:        2 C
MLLI(300mb): 4 C
3km MLCAPE:  0 J/Kg
NCAPE:       0.00 m/s2

MLLCL:       481mb 5594m
MLLFC:      -9999mb -9999m
MLEL:        481mb 5594m
MLMPL:       481mb 5594m
All heights AGL

*** MU PARCEL IN LOWEST 400mb ***
LPL: P=930 T=116F Td=33F
MUCAPE:      13 J/Kg
MUCINH:      0 J/kg
MULI:        0 C
MULI(300mb): 2 C
3km MUCAPE:  0 J/kg
NCAPE:       0.02 m/s2

MULCL:       482mb 5585m
MULFC:       482mb 5585m
MUEL:       443mb 6229m
MUMPL:       396mb 7077m
All heights AGL

*** SFC PARCEL ***
LPL: P=930 T=116F Td=33F
SBCAPE:      13 J/Kg
SBCINH:      0 J/kg
SBLI:        0 C
SBLI(300mb): 2 C
3km SBCAPE:  0 J/kg
NCAPE:       0.02 m/s2

SBLCL:       482mb 5585m
SBLFC:       482mb 5585m
SBEL:       443mb 6229m
SBMPL:       396mb 7077m
All heights AGL

----- Misc Thermodynamic Parameters -----
Melting Level: 15195.7
Conv Temp:    46.4
WBE height:   11178.3
DCAPE:        2908.6

----- Moisture -----
Precip Water: 0.53 in
0-1 km mean W: 3.6 g/Kg
0-3 km mean W: 3.7 g/Kg
SFC-850 mb mean W: 3.6 g/Kg

500 mb W:    0.4 g/Kg
700 mb W:    4.4 g/Kg
850 mb W:    3.8 g/Kg
925 mb W:    3.7 g/Kg
SFC RH:      5 %

-----Delta T and Lapse Rates -----
700-500mb 24 C 8.9 C/km
850-500mb 41 C 9.2 C/km
0-3 km 32 C 10.5 C/km
3-6 km 27 C 9.1 C/km

----- Vertical Shear -----
0-1 km BWD 6 kt
0-3 km BWD 1 kt
0-6 km BWD 5 kt
0-6 km mean wind 3.4 kt

----- Storm Relative Winds/Shear -----
Bunkers storm motion 320/12 kt
0-1 km SRH -18 ms/s2
0-3 km SRH 23 ms/s2

----- Effective Inflow Layer Parameters -----
Effective inflow base 18 m AGL
Effective inflow top 18 m AGL
Effective SRH -999 ms/s2
Effective BWD 0 kt

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

----- Fire Weather -----
Fosberg Index 8

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