# 72388 VEF Las Vegas Observations at 12Z 08 Jul 2024

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-----------------------------------------------------------------------------
   PRES   HGHT   TEMP   DWPT   RELH   MIXR   DRCT   SKNT   THTA   THTE   THTV
    hPa     m      C      C      %    g/kg    deg   knot     K      K      K 
-----------------------------------------------------------------------------
 1000.0     35                                                               
  929.0    697   30.4   -4.6     10   2.94      0      0  310.0  319.6  310.6
  925.0    735   35.8  -12.2      4   1.63     55      4  315.9  321.5  316.2
  917.0    814   36.2  -12.5      4   1.61     35     12  317.1  322.7  317.4
  914.0    843   36.4  -12.6      4   1.60     37     13  317.6  323.2  317.9
  908.0    903   36.0  -13.0      4   1.56     40     16  317.8  323.2  318.1
  902.0    963   36.2  -12.8      4   1.59     40     19  318.6  324.2  318.9
  891.0   1074   35.6  -13.4      4   1.53     45     18  319.1  324.5  319.4
  879.0   1196   34.9  -14.1      4   1.47     35     13  319.6  324.8  319.9
  873.0   1258   34.6  -14.4      4   1.44     38     13  319.9  325.0  320.2
  870.0   1289   34.3  -14.7      4   1.42     40     13  320.0  325.0  320.2
  866.0   1331   34.0  -15.0      4   1.38     36     14  320.0  324.9  320.3
  860.0   1393   33.6  -15.4      4   1.35     30     16  320.3  325.1  320.6
  850.0   1498   33.0  -16.0      4   1.30     30     17  320.7  325.3  320.9
  829.0   1720   31.1  -17.9      3   1.13     25     18  320.9  325.0  321.2
  809.0   1936   29.1  -19.9      3   0.98     20     15  321.2  324.7  321.4
  794.0   2102   27.7  -21.3      3   0.88     30     14  321.3  324.6  321.5
  789.0   2158   27.2  -21.8      3   0.85     35     13  321.4  324.5  321.6
  781.0   2249   26.4  -22.6      3   0.80     25     15  321.5  324.4  321.6
  779.0   2271   26.2  -22.8      3   0.79     26     14  321.5  324.4  321.6
  767.0   2407   25.0  -24.0      3   0.72     29     11  321.6  324.3  321.8
  762.0   2464   24.5  -23.8      3   0.74     30     10  321.7  324.4  321.9
  753.0   2566   23.6  -23.4      3   0.78     20     10  321.8  324.7  322.0
  734.0   2787   21.7  -22.5      4   0.86     30     15  322.1  325.3  322.3
  707.0   3110   18.9  -21.1      5   1.01     20     19  322.5  326.2  322.7
  700.0   3196   18.2  -20.8      6   1.05     20     18  322.6  326.4  322.8
  699.0   3208   18.1  -20.8      6   1.05     20     18  322.6  326.4  322.8
  678.0   3465   15.9  -20.6      7   1.10      0     13  323.1  327.1  323.3
  671.0   3552   15.2  -20.5      7   1.12    355     12  323.2  327.2  323.4
  657.0   3730   13.7  -20.4      8   1.16    330     15  323.5  327.7  323.7
  649.0   3833   12.9  -20.3      8   1.18    345     14  323.6  327.9  323.9
  642.0   3925   12.1  -20.2      9   1.20    340     15  323.8  328.1  324.0
  634.0   4030   11.2  -20.1      9   1.23    345     15  323.9  328.4  324.2
  627.0   4124   10.4  -20.0     10   1.25    335     15  324.1  328.6  324.3
  623.0   4178   10.0  -20.0     10   1.26    342     14  324.1  328.7  324.4
  621.0   4204    9.8  -20.0     10   1.27    345     14  324.2  328.7  324.4
  604.0   4428    7.6  -19.9     12   1.31    340     12  324.3  329.0  324.5
  579.0   4768    4.3  -19.8     15   1.38    325     13  324.4  329.3  324.7
  537.0   5376   -1.5  -19.6     24   1.51    340     18  324.5  329.9  324.8
  522.0   5604   -3.6  -19.6     28   1.56    330     20  324.5  330.1  324.8
  503.0   5903   -6.5  -19.5     35   1.63    334     19  324.5  330.3  324.8
  500.0   5950   -6.5  -19.5     35   1.64    335     19  325.1  330.9  325.4
  494.0   6044   -5.9  -44.9      3   0.14    340     19  326.9  327.5  326.9
  487.0   6156   -6.7  -48.1      2   0.10    345     20  327.3  327.7  327.3
  474.0   6367   -8.1  -54.1      1   0.05    345     25  328.1  328.3  328.1
  462.0   6565   -9.3  -53.5      1   0.06    335     24  329.0  329.2  329.0
  457.0   6649   -9.8  -53.2      1   0.06    340     23  329.4  329.6  329.4
  454.0   6700  -10.1  -53.1      2   0.06    338     22  329.6  329.9  329.6
  451.0   6750  -10.5  -52.9      2   0.06    335     20  329.7  330.0  329.7
  440.0   6938  -12.2  -52.2      2   0.07    330     19  330.0  330.3  330.0
  424.0   7220  -14.6  -51.2      3   0.08    325     21  330.4  330.8  330.4
  419.0   7310  -15.4  -50.9      3   0.09    330     20  330.5  330.9  330.6
  410.0   7475  -16.8  -50.2      4   0.09    320     21  330.8  331.1  330.8
  408.0   7512  -17.1  -50.1      4   0.10    321     21  330.8  331.2  330.8
  400.0   7660  -18.7  -50.7      4   0.09    325     21  330.6  331.0  330.6
  394.0   7771  -19.8  -50.5      5   0.09    325     23  330.6  331.0  330.6
  389.0   7866  -20.7  -50.3      5   0.10    325     22  330.6  331.1  330.7
  377.0   8097  -22.9  -49.9      7   0.11    330     21  330.7  331.1  330.7
  364.0   8347  -25.1  -51.1      7   0.10    335     20  331.1  331.5  331.1
  354.0   8547  -26.8  -52.0      7   0.09    340     22  331.4  331.8  331.4
  350.0   8628  -27.5  -52.4      7   0.09    340     22  331.5  331.9  331.6
  341.0   8814  -29.1  -53.3      8   0.08    350     24  331.8  332.1  331.8
  336.0   8920  -30.1  -53.8      8   0.08    350     24  331.9  332.3  332.0
  317.0   9336  -33.7  -55.7      9   0.06    345     20  332.5  332.8  332.5
  312.0   9447  -34.3  -56.3      9   0.06    350     21  333.1  333.4  333.1
  308.0   9537  -34.9  -56.9      9   0.06    345     20  333.6  333.9  333.6
  300.0   9720  -35.9  -57.9      9   0.05    330     21  334.7  334.9  334.7
  299.0   9743  -36.0  -58.3      8   0.05    330     21  334.8  335.0  334.8
  284.0  10098  -37.7  -64.0      5   0.02    315     22  337.3  337.5  337.4
  277.0  10270  -38.5  -66.7      4   0.02    315     25  338.6  338.6  338.6
  274.0  10345  -38.9  -67.9      3   0.01    315     26  339.1  339.2  339.1
  272.0  10395  -39.1  -68.1      3   0.01    315     27  339.5  339.6  339.5
  270.0  10446  -39.1  -67.4      3   0.02    315     28  340.2  340.3  340.2
  264.0  10600  -39.1  -65.1      5   0.02    301     28  342.4  342.5  342.4
  259.0  10730  -40.2  -65.2      5   0.02    290     28  342.6  342.8  342.6
  252.0  10916  -41.8  -65.3      6   0.02    290     30  343.0  343.1  343.0
  250.0  10970  -42.3  -65.3      6   0.02    290     31  343.0  343.1  343.1
  245.0  11106  -43.3  -64.9      7   0.03    285     29  343.5  343.7  343.5
  243.0  11161  -43.7  -64.7      8   0.03    286     30  343.7  343.9  343.7
  235.0  11384  -45.4  -63.5     11   0.03    290     32  344.4  344.6  344.4
  232.0  11470  -46.1  -63.1     13   0.03    293     32  344.7  344.8  344.7
  225.0  11672  -47.5  -66.5      9   0.02    301     34  345.6  345.7  345.6
  222.0  11760  -48.1  -67.3      9   0.02    305     34  346.0  346.1  346.0
  207.0  12217  -51.1  -71.8      7   0.01    315     29  348.3  348.3  348.3
  205.0  12280  -51.5  -72.4      6   0.01    310     28  348.6  348.6  348.6
  204.0  12312  -51.7  -72.7      6   0.01    311     28  348.8  348.8  348.8
  202.0  12376  -51.9  -72.9      6   0.01    313     27  349.4  349.5  349.4
  200.0  12440  -52.5  -73.5      6   0.01    315     26  349.5  349.5  349.5
  199.0  12472  -52.7  -73.8      6   0.01    315     26  349.7  349.8  349.7
  197.0  12537  -53.0  -74.3      6   0.01    315     25  350.2  350.3  350.2
  184.0  12977  -55.1  -78.1      4   0.00    324     31  353.7  353.7  353.7
  183.0  13012  -55.4  -78.1      4   0.00    325     31  353.7  353.7  353.7
  178.0  13188  -57.1  -78.1      5   0.01    336     30  353.8  353.8  353.8
  176.0  13259  -57.5  -78.6      5   0.00    340     30  354.3  354.3  354.3
  173.0  13367  -58.0  -79.4      5   0.00    335     28  355.1  355.1  355.1
  163.0  13740  -60.0  -82.0      4   0.00    335     24  357.9  358.0  357.9
  161.0  13817  -60.4  -82.6      4   0.00    335     26  358.5  358.5  358.5
  158.0  13935  -61.0  -83.4      4   0.00    330     25  359.4  359.4  359.4
  151.0  14218  -62.5  -85.4      3   0.00    340     29  361.6  361.6  361.6
  150.0  14260  -62.7  -85.7      3   0.00    340     29  361.9  361.9  361.9
  147.0  14384  -63.2  -85.5      3   0.00    350     26  363.1  363.1  363.1
  143.0  14553  -63.9  -85.3      4   0.00    345     25  364.8  364.8  364.8
  138.0  14771  -64.7  -85.0      5   0.00    345     27  367.0  367.0  367.0
  137.0  14816  -64.9  -84.9      5   0.00    347     27  367.5  367.5  367.5
  136.0  14860  -65.0  -85.4      5   0.00    350     27  368.0  368.0  368.0
  134.0  14950  -65.3  -86.3      4   0.00    345     25  369.1  369.1  369.1
  132.0  15042  -65.1  -86.1      4   0.00    340     22  371.1  371.1  371.1
  129.0  15182  -65.1  -86.1      4   0.00    333     25  373.5  373.5  373.5
  128.0  15229  -65.3  -86.4      4   0.00    330     26  374.0  374.0  374.0
  121.0  15570  -66.5  -88.3      3   0.00    340     30  377.8  377.8  377.8
  120.0  15621  -66.7  -88.6      3   0.00    345     28  378.3  378.3  378.3
  119.0  15671  -66.9  -88.9      3   0.00    340     27  378.9  378.9  378.9
  118.0  15722  -66.9  -89.4      3   0.00    340     27  379.8  379.8  379.8
  117.0  15774  -66.9  -89.9      3   0.00    342     27  380.7  380.7  380.7
  116.0  15825  -66.7  -89.7      3   0.00    343     27  382.0  382.1  382.0
  114.0  15931  -66.7  -89.7      3   0.00    347     28  383.9  383.9  383.9
  112.0  16037  -67.0  -90.5      2   0.00    350     28  385.4  385.4  385.4
  107.0  16312  -67.8  -92.5      2   0.00      0     24  389.0  389.0  389.0
  106.0  16369  -67.9  -92.9      2   0.00    355     23  389.7  389.7  389.7
  105.0  16426  -67.9  -92.9      2   0.00    355     23  390.8  390.8  390.8
  104.0  16484  -67.7  -92.5      2   0.00    355     23  392.3  392.3  392.3
  102.0  16601  -67.2  -91.6      2   0.00      5     25  395.4  395.4  395.4
  100.0  16720  -66.7  -90.7      2   0.00      5     20  398.6  398.6  398.6
   99.0  16781  -66.5  -90.5      2   0.00     10     18  400.1  400.1  400.1
   98.0  16842  -66.3  -90.3      2   0.00     12     19  401.7  401.7  401.7
   97.0  16903  -66.5  -90.9      2   0.00     15     20  402.4  402.4  402.4
   96.0  16966  -66.8  -91.5      2   0.00     20     18  403.2  403.2  403.2
   94.0  17092  -67.2  -92.7      2   0.00     20     18  404.7  404.7  404.7
   92.0  17221  -67.7  -94.0      1   0.00     25     19  406.2  406.2  406.2
   91.0  17287  -67.9  -94.7      1   0.00     25     24  407.0  407.0  407.0
   90.3  17333  -68.1  -95.1      1   0.00     23     23  407.6  407.6  407.6
   88.4  17461  -67.5  -94.5      1   0.00     16     21  411.3  411.3  411.3
   88.0  17488  -67.3  -94.1      1   0.00     15     21  412.3  412.3  412.3
   85.6  17655  -65.9  -91.9      2   0.00     42     13  418.3  418.3  418.3
   84.0  17769  -66.3  -92.7      1   0.00     60      8  419.8  419.9  419.8
   82.1  17907  -66.7  -93.7      1   0.00     41      7  421.7  421.7  421.7
   81.0  17988  -66.2  -93.4      1   0.00     30      6  424.3  424.3  424.3
   79.0  18140  -65.4  -92.9      1   0.00     65     11  429.1  429.1  429.1
   77.0  18295  -64.5  -92.3      1   0.00     65      9  434.1  434.1  434.1
   76.1  18367  -64.1  -92.1      1   0.00     52      8  436.4  436.4  436.4
   76.0  18375  -64.0  -92.1      1   0.00     50      8  436.6  436.6  436.6
   74.0  18538  -63.0  -91.5      1   0.00     65     13  442.2  442.2  442.2
   73.0  18622  -62.5  -91.1      1   0.00     65     14  445.0  445.1  445.1
   71.6  18741  -61.7  -90.7      1   0.00     58     13  449.1  449.1  449.1
   71.0  18792  -61.7  -90.3      1   0.00     55     13  450.2  450.2  450.2
   70.0  18880  -61.7  -89.7      1   0.00     60     13  452.0  452.1  452.0
   69.0  18969  -61.4  -89.8      1   0.00     50     15  454.5  454.6  454.5
   67.3  19125  -60.9  -89.9      1   0.00     65     17  458.9  458.9  458.9
   65.0  19341  -61.7  -89.7      1   0.00     86     20  461.7  461.7  461.7
   64.0  19437  -61.9  -89.9      1   0.00     95     21  463.4  463.4  463.4
   62.7  19564  -62.1  -90.1      1   0.00    101     17  465.6  465.6  465.6
   62.0  19634  -62.0  -90.0      1   0.00    105     15  467.3  467.4  467.3
   61.0  19734  -61.9  -89.8      1   0.00     95     13  469.8  469.9  469.8
   60.0  19837  -61.7  -89.7      1   0.00     80     15  472.4  472.4  472.4
   59.4  19899  -61.7  -89.7      1   0.00     84     18  473.8  473.8  473.8
   58.2  20026  -61.9  -89.9      1   0.00     92     23  476.1  476.1  476.1
   57.0  20155  -62.3  -90.3      1   0.00    100     28  478.1  478.1  478.1
   56.3  20231  -62.5  -90.5      1   0.00    105     25  479.2  479.3  479.2
   55.0  20376  -61.9  -90.3      1   0.00    115     18  483.9  483.9  483.9
   54.0  20490  -61.4  -90.2      1   0.00     90     11  487.5  487.6  487.5
   53.4  20559  -61.1  -90.1      1   0.00     84     13  489.8  489.8  489.8
   53.0  20606  -60.9  -89.9      1   0.00     80     15  491.2  491.3  491.2
   51.0  20846  -60.0  -89.0      1   0.00    115     27  498.9  498.9  498.9
   50.0  20970  -59.5  -88.5      1   0.00    110     20  502.8  502.9  502.8
   49.0  21096  -59.2  -88.2      1   0.00     95     14  506.4  506.5  506.4
   48.0  21226  -58.9  -87.9      1   0.00     92     17  510.2  510.2  510.2
   46.0  21492  -59.1  -87.6      1   0.00     85     23  515.9  515.9  515.9
   45.0  21630  -59.2  -87.4      1   0.00     90     23  518.9  518.9  518.9
   44.4  21714  -59.3  -87.3      2   0.00     96     21  520.7  520.7  520.7
   44.0  21770  -59.0  -87.3      1   0.00    100     20  522.7  522.7  522.7
   43.0  21915  -58.4  -87.3      1   0.00     90     16  527.8  527.8  527.8
   42.9  21929  -58.3  -87.3      1   0.00     90     16  528.3  528.3  528.3
   42.0  22063  -57.6  -86.6      1   0.01     85     18  533.1  533.1  533.1
   41.0  22215  -56.9  -85.9      1   0.01     80     21  538.6  538.7  538.6
   40.0  22371  -57.1  -86.1      1   0.01     75     24  542.0  542.1  542.0
   39.0  22531  -57.2  -86.2      1   0.01     75     26  545.6  545.6  545.6
   38.6  22596  -57.3  -86.3      1   0.01     82     25  547.0  547.0  547.0
   37.0  22864  -56.7  -85.7      1   0.01    110     19  555.1  555.2  555.1
   36.4  22967  -56.5  -85.5      1   0.01    100     20  558.3  558.4  558.3
   35.1  23198  -56.9  -85.9      1   0.01     77     22  563.1  563.2  563.1
   35.0  23216  -56.8  -85.9      1   0.01     75     22  563.7  563.8  563.8
   34.0  23400  -56.1  -85.5      1   0.01     80     22  570.4  570.4  570.4
   32.7  23648  -55.1  -85.1      1   0.01     67     26  579.4  579.5  579.4
   32.0  23786  -54.5  -84.5      1   0.01     60     28  584.5  584.5  584.5
   31.0  23990  -53.7  -83.7      1   0.01     80     25  592.0  592.1  592.0
   30.0  24200  -52.9  -82.9      1   0.01     75     25  599.8  600.0  599.8
   28.9  24441  -51.7  -81.7      2   0.02     72     32  609.6  609.7  609.6
   28.0  24647  -51.0  -81.0      2   0.02     70     38  617.0  617.2  617.0
   27.6  24740  -50.7  -80.7      2   0.02     72     40  620.4  620.6  620.4
   27.0  24883  -51.0  -80.8      2   0.02     75     43  623.4  623.6  623.4
   26.0  25127  -51.6  -81.1      2   0.02     85     37  628.6  628.8  628.6
   25.0  25381  -52.1  -81.3      2   0.02     80     41  634.1  634.3  634.1
   24.4  25539  -52.5  -81.5      2   0.02     80     41  637.5  637.7  637.5
   24.0  25645  -52.5  -81.5      2   0.02     80     41  640.5  640.7  640.5
   23.4  25809  -52.5  -81.5      2   0.02     83     44  645.1  645.3  645.1
   23.0  25921  -52.1  -81.3      2   0.02     85     46  649.4  649.6  649.4
   22.0  26209  -51.2  -80.7      2   0.03     90     44  660.5  660.8  660.5
   21.0  26511  -50.2  -80.1      2   0.03     90     45  672.3  672.6  672.3
   20.7  26605  -49.9  -79.9      2   0.03     91     44  676.0  676.3  676.0
   20.0  26830  -48.7  -78.7      2   0.04     95     40  686.3  686.8  686.4
   19.0  27167  -48.3  -78.3      2   0.05     95     42  697.7  698.2  697.7
   18.0  27527  -47.4  -77.4      2   0.06    100     40  711.5  712.1  711.5
   17.0  27907  -46.4  -76.4      2   0.07     90     35  726.4  727.1  726.4
   16.0  28310  -45.3  -75.3      2   0.09     85     27  742.5  743.5  742.6
   15.0  28739  -44.2  -74.2      2   0.11     75     33  760.0  761.3  760.1
   14.4  29010  -43.5  -73.5      2   0.13     78     30  771.3  772.8  771.4
   14.0  29198  -43.9  -73.7      2   0.13     80     28  776.2  777.6  776.3
   13.0  29694  -45.0  -74.2      2   0.13    105     36  789.1  790.6  789.2
   12.7  29851  -45.3  -74.3      2   0.13    105     36  793.3  794.7  793.3
   12.0  30229  -44.8  -73.8      2   0.15    105     35  808.1  809.8  808.1
   11.9  30285  -44.7  -73.7      2   0.15    102     35  810.3  812.0  810.4
   11.1  30750  -45.1  -73.1      3   0.17     74     35  825.1  827.2  825.2
   11.0  30810  -45.0  -73.0      3   0.18     70     35  827.6  829.7  827.7
   10.9  30871  -44.9  -72.9      3   0.18     71     35  830.1  832.3  830.2
   10.0  31450  -42.1  -72.1      2   0.23     80     40  861.3  864.0  861.4
    9.3  31944  -38.9  -69.9      2   0.33     73     34  891.5  895.6  891.7
    9.1  32094  -38.3  -69.3      2   0.37     71     32  899.3  904.0  899.5
    9.0  32169  -38.5  -69.0      3   0.39     70     31  901.4  906.3  901.6
    8.9  32246  -38.7  -68.7      3   0.41                903.5  908.7  903.8
```

## Station information and sounding indices

```
                         Station identifier: VEF
                             Station number: 72388
                           Observation time: 240708/1200
                           Station latitude: 36.05
                          Station longitude: -115.18
                          Station elevation: 697.0
                            Showalter index: 7.14
                               Lifted index: 8.14
    LIFT computed using virtual temperature: 8.01
                                SWEAT index: 52.99
                                    K index: -15.50
                         Cross totals index: -9.50
                      Vertical totals index: 39.50
                        Totals totals index: 30.00
      Convective Available Potential Energy: 0.00
             CAPE using virtual temperature: 0.00
                      Convective Inhibition: 0.00
             CINS using virtual temperature: 0.00
                     Bulk Richardson Number: 0.00
          Bulk Richardson Number using CAPV: 0.00
  Temp [K] of the Lifted Condensation Level: 251.97
Pres [hPa] of the Lifted Condensation Level: 443.71
   Equivalent potential temp [K] of the LCL: 323.35
     Mean mixed layer potential temperature: 317.83
              Mean mixed layer mixing ratio: 1.62
              1000 hPa to 500 hPa thickness: 5915.00
Precipitable water [mm] for entire sounding: 5.64
```

Description of the data columns or sounding indices.

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Questions about the weather data provided by this site can be addressed to Larry Oolman (ldoolman@uwyo.edu)