72388 VEF Las Vegas Observations at 12Z 18 Jul 2023

PRES	HGHT	TEMP	DWPT	RELH	MIXR	DRCT	SKNT	THTA	THTE	THTV
hPa	m	C	C	%	g/kg	deg	knot	K	K	K
1000.0	53									
932.0	697	34.4	10.4	23	8.56	190	7	313.8	340.8	315.4
928.0	735	34.4	10.4	23	8.60	193	10	314.2	341.4	315.8
925.0	763	34.2	10.2	23	8.51	195	12	314.3	341.2	315.9
921.0	802	34.2	10.2	23	8.55	202	12	314.7	341.7	316.3
911.0	901	33.5	10.1	24	8.58	220	13	315.0	342.2	316.6
897.0	1040	32.6	9.9	25	8.63	230	12	315.4	342.8	317.1
881.0	1202	31.5	9.8	26	8.68	220	14	315.9	343.5	317.6
852.0	1503	29.5	9.4	29	8.77	200	16	316.9	344.9	318.5
850.0	1524	29.4	9.4	29	8.78	200	16	316.9	344.9	318.6
810.0	1950	25.8	7.8	32	8.26	179	15	317.5	344.0	319.1
803.0	2026	25.4	6.9	31	7.83	175	15	317.8	343.0	319.3
796.0	2103	24.9	6.0	30	7.43	175	16	318.1	342.1	319.6
779.0	2292	23.8	3.8	27	6.49	174	18	318.9	340.0	320.2
702.0	3187	15.6	4.4	47	7.52	170	28	319.5	343.8	320.9
700.0	3212	15.4	4.4	48	7.55	170	28	319.5	343.9	321.0
684.0	3407	13.4	4.4	54	7.72	173	27	319.4	344.4	320.9
648.0	3860	10.6	-5.4	32	3.97	180	24	321.2	334.5	322.0
622.0	4195	7.7	-5.4	39	4.13	185	22	321.6	335.4	322.4
589.0	4640	3.7	-5.4	51	4.37	185	25	322.1	336.7	322.9
564.0	4995	0.6	-5.4	64	4.56	195	22	322.4	337.6	323.3
530.0	5490	-2.7	-14.1	41	2.45	210	17	324.2	332.8	324.7
520.0	5642	-3.7	-16.7	36	2.00	204	18	324.8	331.9	325.2
507.0	5841	-5.0	-13.4	52	2.71	195	20	325.6	335.0	326.1
506.0	5856	-5.1	-13.1	53	2.77	196	20	325.6	335.2	326.2
500.0	5950	-5.7	-14.7	49	2.46	200	21	326.0	334.6	326.5
497.0	5997	-5.9	-14.9	49	2.43	201	19	326.3	334.9	326.8
483.0	6222	-4.3	-22.3	23	1.33	208	9	331.0	335.9	331.2
480.0	6271	-4.6	-23.4	21	1.21	210	7	331.2	335.7	331.4
472.0	6404	-5.5	-26.5	17	0.93	214	8	331.7	335.2	331.9
421.0	7285	-12.6	-23.9	38	1.33	240	13	333.7	338.6	333.9
400.0	7680	-15.7	-22.7	55	1.55	220	18	334.5	340.2	334.8
398.0	7718	-15.9	-21.9	60	1.67	220	18	334.7	340.9	335.1
387.0	7927	-17.1	-28.1	38	0.98	217	20	335.8	339.6	336.0
382.0	8024	-17.7	-26.7	45	1.13	216	21	336.3	340.6	336.5
378.0	8102	-18.1	-30.7	32	0.79	215	22	336.7	339.8	336.9
373.0	8201	-18.7	-35.7	21	0.49	214	22	337.3	339.2	337.4
366.0	8342	-19.7	-29.7	41	0.90	212	22	337.8	341.2	337.9
363.0	8402	-20.1	-32.1	34	0.72	211	22	338.0	340.8	338.2
342.0	8838	-23.1	-30.3	52	0.90	205	23	339.7	343.2	339.9
337.0	8946	-23.9	-29.9	58	0.95	208	24	340.1	343.8	340.3
323.0	9253	-26.5	-33.5	52	0.70	215	25	340.6	343.4	340.8
305.0	9662	-29.1	-37.7	43	0.49	225	28	342.6	344.6	342.7
300.0	9780	-29.9	-38.9	41	0.44	230	26	343.1	344.9	343.2
293.0	9948	-31.3	-40.3	41	0.39	233	25	343.4	345.1	343.5
273.0	10442	-35.9	-43.0	48	0.32	240	24	343.9	345.2	343.9
262.0	10729	-38.5	-44.5	53	0.28	235	24	344.1	345.2	344.1
250.0	11050	-40.7	-48.7	42	0.18	230	28	345.4	346.2	345.5
233.0	11525	-44.9	-50.9	51	0.15	225	29	346.1	346.7	346.1
232.0	11554	-45.1	-51.3	50	0.15	225	29	346.2	346.8	346.2
223.0	11817	-46.9	-54.9	40	0.10	225	36	347.4	347.8	347.4
208.0	12275	-50.5	-59.5	34	0.06	229	32	348.7	349.0	348.7
204.0	12401	-51.6	-60.1	35	0.06	230	31	348.9	349.2	348.9
200.0	12530	-52.7	-60.7	37	0.05	225	32	349.1	349.4	349.2
192.0	12792	-54.9	-61.9	42	0.05	225	29	349.7	349.9	349.7
180.0	13202	-56.7	-64.7	36	0.04	225	25	353.3	353.5	353.3
176.0	13343	-57.4	-65.9	33	0.03	225	24	354.5	354.6	354.5
166.0	13711	-59.1	-68.9	27	0.02	235	27	357.5	357.6	357.5
164.0	13787	-59.5	-69.5	26	0.02	237	27	358.1	358.2	358.1
155.0	14138	-61.5	-72.5	22	0.01	249	24	360.5	360.6	360.5
150.0	14340	-63.1	-73.1	25	0.01	255	23	361.2	361.2	361.2
147.0	14462	-63.6	-73.6	24	0.01	260	21	362.4	362.5	362.4
128.0	15300	-66.9	-76.9	23	0.01	195	12	371.0	371.1	371.0
120.0	15691	-68.5	-78.5	23	0.01	224	22	375.1	375.1	375.1
119.0	15741	-68.5	-78.5	23	0.01	227	23	376.0	376.0	376.0
117.0	15842	-68.9	-78.9	22	0.01	235	26	377.0	377.1	377.0
110.0	16208	-70.4	-80.4	22	0.01	215	28	381.0	381.0	381.0
105.0	16484	-71.5	-81.5	21	0.00	217	27	383.9	384.0	383.9
101.0	16712	-72.5	-82.5	21	0.00	219	26	386.3	386.3	386.3
100.0	16770	-72.5	-82.5	21	0.00	220	26	387.4	387.4	387.4
91.7	17276	-75.1	-84.1	24	0.00	258	5	392.0	392.0	392.0
91.2	17308	-75.3	-84.3	24	0.00	260	4	392.2	392.2	392.2
90.2	17371	-75.5	-85.5	20	0.00	293	3	393.0	393.0	393.0
90.0	17384	-75.4	-85.5	20	0.00	300	3	393.4	393.4	393.4
89.0	17451	-75.1	-85.4	19	0.00	85	2	395.4	395.4	395.4
86.0	17653	-73.9	-85.0	17	0.00	125	12	401.6	401.6	401.6
83.0	17863	-72.7	-84.7	15	0.00	110	15	408.1	408.1	408.1
78.0	18230	-70.7	-84.1	12	0.00	175	14	419.7	419.7	419.7
76.0	18384	-69.8	-83.9	11	0.00	115	18	424.6	424.6	424.6
73.0	18622	-68.5	-83.5	10	0.01	145	16	432.3	432.4	432.3
71.0	18786	-67.6	-83.2	9	0.01	115	14	437.7	437.8	437.7
70.0	18870	-67.1	-83.1	9	0.01	115	15	440.5	440.5	440.5
68.8	18974	-66.9	-82.9	9	0.01	130	17	443.1	443.1	443.1
68.0	19046	-66.6	-82.9	9	0.01	140	18	445.2	445.3	445.2
65.0	19324	-65.4	-82.7	7	0.01	120	20	453.6	453.7	453.6
62.0	19615	-64.2	-82.5	7	0.01	140	7	462.5	462.6	462.5
61.0	19715	-63.8	-82.4	6	0.01	110	5	465.6	465.7	465.6
59.0	19920	-62.9	-82.3	6	0.01	30	16	472.0	472.1	472.0
56.0	20242	-61.5	-82.1	5	0.01	85	21	482.2	482.3	482.2
53.0	20581	-60.1	-81.9	4	0.01	110	19	493.2	493.3	493.2
51.0	20817	-59.1	-81.8	4	0.01	90	13	501.0	501.1	501.0
50.3	20902	-58.7	-81.7	4	0.01	73	16	503.9	503.9	503.9
50.0	20940	-58.7	-81.7	4	0.01	65	18	504.7	504.8	504.7
49.0	21067	-58.5	-82.0	3	0.01	60	24	508.2	508.2	508.2
46.0	21465	-57.8	-82.7	3	0.01	100	23	519.1	519.2	519.1
45.0	21604	-57.5	-83.0	3	0.01	85	26	522.9	523.0	522.9
42.0	22039	-56.8	-83.9	2	0.01	105	24	535.2	535.3	535.2
40.0	22346	-56.3	-84.5	2	0.01	120	21	544.1	544.1	544.1
39.0	22506	-56.0	-84.8	2	0.01	95	19	548.7	548.8	548.7
38.7	22554	-55.9	-84.9	2	0.01	99	19	550.1	550.2	550.1
37.0	22839	-56.3	-85.3	1	0.01	125	19	556.3	556.4	556.3
36.0	23012	-56.5	-85.5	1	0.01	100	17	560.1	560.2	560.1
35.9	23030	-56.5	-85.5	1	0.01	99	17	560.5	560.6	560.5
33.0	23564	-55.7	-84.7	2	0.01	80	28	576.4	576.5	576.4
32.0	23759	-55.4	-84.3	2	0.01	100	21	582.3	582.4	582.3
31.2	23920	-55.1	-84.1	2	0.01	96	26	587.2	587.3	587.2
30.0	24170	-54.7	-83.7	2	0.01	90	35	594.9	595.0	594.9
29.0	24387	-53.7	-83.4	1	0.01	95	26	603.4	603.6	603.5
28.6	24476	-53.3	-83.3	1	0.01	93	30	607.0	607.1	607.0
28.0	24613	-53.1	-83.1	1	0.01	90	36	611.2	611.4	611.2
26.9	24871	-52.7	-82.7	1	0.02	95	31	619.4	619.5	619.4
26.0	25092	-52.2	-82.2	2	0.02	100	26	626.8	627.0	626.8
25.0	25347	-51.7	-81.7	2	0.02	100	37	635.4	635.6	635.4
23.0	25889	-50.5	-80.5	2	0.03	85	24	654.2	654.4	654.2
22.0	26178	-49.9	-79.9	2	0.03	105	25	664.4	664.7	664.4
21.1	26449	-49.3	-79.3	2	0.04	78	21	674.1	674.5	674.1
21.0	26480	-49.3	-79.3	2	0.04	75	21	675.1	675.4	675.1
20.0	26800	-49.1	-79.1	2	0.04	95	31	685.1	685.5	685.1
19.0	27138	-48.7	-78.5	2	0.04	80	23	696.5	696.9	696.5
17.0	27870	-47.9	-77.3	2	0.06	100	38	721.7	722.3	721.7
16.0	28269	-47.4	-76.6	2	0.07	95	34	735.8	736.5	735.8
15.0	28694	-46.9	-75.9	2	0.08	90	34	751.1	752.0	751.1
14.6	28873	-46.9	-75.9	2	0.09	92	37	756.9	757.9	757.0
14.0	29152	-46.1	-75.5	2	0.10	95	41	768.9	770.0	768.9
13.2	29543	-44.9	-74.9	2	0.11	103	38	785.9	787.2	786.0
13.0	29645	-44.6	-74.6	2	0.12	105	37	790.3	791.6	790.3
12.6	29854	-44.1	-74.1	2	0.13	95	38	799.2	800.8	799.3
12.0	30181	-44.3	-73.8	2	0.15	80	39	809.8	811.5	809.9
11.3	30583	-44.5	-73.5	3	0.16	85	38	823.1	825.0	823.1
10.2	31275	-39.9	-70.9	2	0.26	93	36	864.6	867.8	864.7
10.0	31410	-39.1	-70.1	2	0.30	95	36	872.4	876.1	872.6
9.7	31619	-38.7	-69.7	2	0.33	98	34	881.6	885.6	881.8
9.0	32132	-39.5	-69.8	3	0.35	105	30	897.5	901.8	897.7
8.7	32364	-39.9	-69.9	3	0.36	102	31	904.8	909.3	905.0
8.5	32523	-39.7	-69.7	3	0.37	100	32	911.6	916.4	911.8
8.1	32852	-39.5	-69.5	3	0.40	96	34	925.0	930.2	925.2
8.0						95	34			

Station information and sounding indices

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                    Station identifier: VEF
                        Station number: 72388
                      Observation time: 230718/1200
                      Station latitude: 36.05
                     Station longitude: -115.18
                     Station elevation: 697.0
                       Showalter index: -0.77
                          Lifted index: 0.26
 LIFT computed using virtual temperature: -0.14
                           SWEAT index: 189.81
                               K index: 33.50
                   Cross totals index: 15.10
                 Vertical totals index: 35.10
                   Totals totals index: 50.20
  Convective Available Potential Energy: 0.00
         CAPE using virtual temperature: 0.08
                 Convective Inhibition: 0.00
         CINS using virtual temperature: -395.79
Equilibrum Level using virtual temperature: 496.97
         LFCT using virtual temperature: 520.38
                 Bulk Richardson Number: 0.00
       Bulk Richardson Number using CAPV: 0.01
Temp [K] of the Lifted Condensation Level: 278.24
Pres [hPa] of the Lifted Condensation Level: 647.43
 Equivalent potential temp [K] of the LCL: 342.15
  Mean mixed layer potential temperature: 315.05
           Mean mixed layer mixing ratio: 8.60
           1000 hPa to 500 hPa thickness: 5897.00
Precipitable water [mm] for entire sounding: 30.15
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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)
