72388 VEF Las Vegas Observations at 00Z 11 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	25									
930.0	697	40.4	1.4	9	4.57	260	9	320.1	335.3	321.0
925.0	747	38.6	-2.4	7	3.48	275	9	318.8	330.4	319.4
924.0	757	38.7	-2.3	7	3.51	275	9	319.0	330.7	319.6
918.0	816	39.2	-1.8	8	3.67	273	9	320.1	332.4	320.8
910.0	895	38.1	-1.6	8	3.76	270	10	319.8	332.4	320.5
880.0	1197	34.1	-0.8	11	4.12	260	9	318.7	332.4	319.5
851.0	1498	30.1	-0.0	14	4.51	245	13	317.6	332.4	318.5
850.0	1509	30.0	0.0	14	4.52	245	13	317.6	332.4	318.4
818.0	1841	26.8	-0.1	17	4.67	210	13	317.6	333.0	318.5
802.0	2012	25.1	-0.1	19	4.75	225	11	317.6	333.2	318.6
795.0	2087	24.4	-0.1	20	4.79	215	10	317.6	333.4	318.6
788.0	2164	23.6	-0.2	21	4.82	200	9	317.7	333.5	318.6
754.0	2545	19.9	-0.2	26	5.01	240	15	317.6	334.0	318.6
700.0	3188	13.6	-0.4	38	5.34	200	19	317.5	334.9	318.5
676.0	3477	11.4	-1.9	40	4.95	195	20	318.2	334.4	319.1
620.0	4195	5.8	-5.6	44	4.09	215	27	319.8	333.4	320.6
608.0	4357	4.6	-6.4	45	3.92	215	28	320.2	333.2	320.9
603.0	4424	4.0	-8.0	41	3.49	215	28	320.2	332.0	320.9
599.0	4478	4.0	-15.0	24	2.00	215	28	320.9	327.8	321.2
575.0	4810	3.1	-28.9	7	0.62	215	29	323.6	325.9	323.7
566.0	4938	2.8	-34.2	5	0.38	215	27	324.7	326.1	324.8
563.0	4980	2.6	-35.0	4	0.35	215	26	324.9	326.2	325.0
533.0	5419	0.1	-42.6	2	0.17	190	20	327.0	327.7	327.1
509.0	5788	-2.0	-49.1	1	0.09	185	14	328.8	329.2	328.8
504.0	5867	-2.5	-50.5	1	0.07	196	12	329.2	329.5	329.2
502.0	5898	-2.7	-50.2	1	0.08	200	11	329.3	329.6	329.3
500.0	5930	-2.9	-49.9	1	0.08	200	10	329.4	329.8	329.4
480.0	6249	-5.3	-51.3	1	0.07	170	10	330.3	330.6	330.3
461.0	6565	-7.7	-52.7	1	0.06	177	13	331.2	331.5	331.2
448.0	6786	-9.3	-54.3	1	0.05	181	15	331.9	332.1	331.9
412.0	7426	-13.3	-54.3	2	0.06	195	22	334.8	335.0	334.8
400.0	7650	-14.9	-54.9	2	0.06	200	24	335.5	335.8	335.6
396.0	7726	-15.5	-55.5	2	0.05	200	26	335.7	335.9	335.7
395.0	7745	-15.6	-55.5	2	0.05	200	26	335.8	336.1	335.8
383.0	7977	-16.9	-55.9	2	0.05	213	23	337.1	337.3	337.1
378.0	8076	-17.5	-57.5	2	0.04	218	22	337.6	337.8	337.6
376.0	8115	-17.6	-57.5	2	0.04	220	21	337.9	338.1	337.9
361.0	8419	-18.7	-57.7	2	0.04	238	25	340.4	340.6	340.4
358.0	8482	-19.1	-58.1	2	0.04	241	26	340.7	340.9	340.7
355.0	8543	-19.6	-58.4	2	0.04	245	27	340.8	341.0	340.9
317.0	9374	-26.5	-62.5	2	0.03	255	28	342.5	342.6	342.5
310.0	9535	-27.3	-63.3	2	0.02	257	29	343.6	343.7	343.6
301.0	9746	-28.7	-64.7	2	0.02	260	29	344.4	344.5	344.4
300.0	9770	-28.9	-64.9	2	0.02	260	29	344.5	344.6	344.5
291.0	9987	-30.7	-65.7	2	0.02	258	35	345.0	345.1	345.0
288.0	10061	-31.3	-66.3	2	0.02	257	37	345.1	345.2	345.1
277.0	10333	-33.2	-67.7	2	0.02	255	44	346.2	346.3	346.2
274.0	10409	-33.8	-68.1	2	0.01	255	46	346.5	346.6	346.5
250.0	11050	-38.3	-71.3	2	0.01	260	37	349.0	349.0	349.0
243.0	11244	-39.7	-71.7	2	0.01	265	38	349.7	349.8	349.7
236.0	11442	-41.5	-73.5	2	0.01	263	38	349.9	350.0	349.9
215.0	12061	-46.0	-76.3	2	0.01	255	36	352.3	352.4	352.3
202.0	12475	-49.1	-78.1	2	0.00	251	31	353.9	353.9	353.9
201.0	12508	-49.5	-78.5	2	0.00	250	30	353.7	353.7	353.7
200.0	12540	-49.7	-78.7	2	0.00	250	30	353.9	353.9	353.9
193.0	12767	-51.3	-79.7	2	0.00	240	30	355.0	355.0	355.0
177.0	13319	-55.1	-82.2	2	0.00	240	28	357.6	357.6	357.6
160.0	13963	-59.6	-85.2	2	0.00	255	33	360.5	360.5	360.5
154.0	14207	-61.3	-86.3	2	0.00	252	29	361.6	361.6	361.6
150.0	14370	-62.5	-87.5	2	0.00	250	26	362.2	362.2	362.2
148.0	14453	-63.1	-88.1	2	0.00	244	26	362.6	362.6	362.6
146.0	14536	-63.3	-88.3	2	0.00	238	27	363.6	363.6	363.6
144.0	14621	-64.1	-89.1	2	0.00	231	27	363.7	363.7	363.7
142.0	14706	-64.6	-89.6	2	0.00	225	28	364.3	364.3	364.3
140.0	14793	-65.1	-90.1	2	0.00	231	27	364.9	364.9	364.9
139.0	14836	-65.5	-90.5	2	0.00	233	27	364.9	364.9	364.9
131.0	15195	-66.9	-90.9	2	0.00	257	23	368.6	368.6	368.6
130.0	15241	-67.0	-91.0	2	0.00	260	23	369.3	369.3	369.3
128.0	15335	-67.1	-91.1	2	0.00	252	22	370.7	370.7	370.7
123.0	15572	-68.1	-91.0	3	0.00	230	18	373.1	373.1	373.1
112.0	16128	-70.6	-90.7	4	0.00	205	24	378.6	378.6	378.6
107.0	16399	-71.8	-90.5	5	0.00	220	23	381.3	381.3	381.3
101.0	16742	-73.3	-90.3	6	0.00	194	19	384.8	384.8	384.8
100.0	16800	-73.9	-90.9	6	0.00	190	18	384.7	384.7	384.7
96.0	17037	-74.7	-91.7	6	0.00	190	15	387.6	387.6	387.6
92.9	17227	-74.9	-90.9	7	0.00	197	13	390.9	390.9	390.9
89.0	17477	-73.9	-89.9	7	0.00	205	10	397.7	397.7	397.7
88.2	17529	-73.7	-89.7	7	0.00	197	8	399.1	399.1	399.1
87.0	17610	-73.2	-89.9	6	0.00	185	5	401.6	401.6	401.6
86.0	17678	-72.9	-90.0	6	0.00	125	8	403.7	403.7	403.7
82.0	17959	-71.3	-90.7	4	0.00	155	23	412.5	412.5	412.5
77.0	18330	-69.2	-91.5	3	0.00	180	20	424.3	424.3	424.3
75.8	18423	-68.7	-91.7	2	0.00	175	19	427.2	427.3	427.2
73.5	18607	-68.1	-91.1	2	0.00	166	18	432.3	432.3	432.3
72.0	18731	-68.1	-91.1	2	0.00	159	18	434.9	434.9	434.9
71.0	18815	-67.6	-91.1	2	0.00	155	17	437.6	437.6	437.6
70.0	18900	-67.1	-91.1	2	0.00	160	15	440.5	440.5	440.5
69.8	18917	-67.1	-91.1	2	0.00	160	15	440.9	440.9	440.9
69.0	18987	-66.8	-90.8	2	0.00	160	13	442.9	442.9	442.9
64.0	19444	-65.2	-89.2	2	0.00	140	7	456.1	456.1	456.1
63.2	19520	-64.9	-88.9	2	0.00	134	9	458.4	458.4	458.4
62.0	19637	-64.4	-88.4	2	0.00	125	13	462.0	462.0	462.0
60.0	19838	-63.6	-87.6	3	0.00	155	17	468.2	468.2	468.2
59.8	19859	-63.5	-87.5	3	0.00	151	16	468.8	468.9	468.8
58.5	19994	-63.3	-87.3	3	0.00	125	12	472.2	472.2	472.2
57.0	20153	-63.4	-86.9	3	0.00	95	7	475.5	475.6	475.5
56.0	20262	-63.5	-86.7	3	0.00	65	11	477.8	477.8	477.8
55.2	20350	-63.5	-86.5	3	0.00	77	14	479.7	479.7	479.7
54.0	20486	-63.2	-86.5	3	0.00	95	19	483.4	483.4	483.4
50.4	20911	-62.3	-86.3	3	0.00	108	17	495.1	495.1	495.1
50.0	20960	-62.1	-86.1	3	0.00	110	17	496.7	496.8	496.7
48.0	21212	-61.3	-85.3	3	0.01	115	13	504.5	504.5	504.5
47.1	21330	-60.9	-84.9	3	0.01	108	19	508.1	508.2	508.1
46.1	21463	-60.5	-84.5	3	0.01	101	25	512.2	512.3	512.2
46.0	21476	-60.5	-84.5	3	0.01	100	26	512.7	512.7	512.7
41.0	22197	-58.0	-82.8	3	0.01	80	19	535.9	536.0	535.9
39.7	22398	-57.3	-82.3	3	0.01	86	24	542.6	542.7	542.6
39.0	22512	-56.9	-82.0	3	0.01	90	26	546.5	546.6	546.5
38.0	22677	-56.2	-81.5	3	0.01	95	18	552.1	552.3	552.1
36.0	23022	-54.9	-80.5	3	0.02	100	25	564.1	564.3	564.1
35.0	23201	-54.2	-79.9	3	0.02	80	25	570.5	570.6	570.5
34.0	23386	-53.5	-79.4	3	0.02	90	29	577.0	577.2	577.0
33.1	23557	-52.9	-78.9	3	0.02	81	29	583.2	583.4	583.2
33.0	23576	-52.9	-78.9	3	0.02	80	29	583.6	583.9	583.6
31.5	23875	-53.3	-78.3	3	0.03	97	26	590.5	590.7	590.5
30.1	24168	-51.9	-77.9	3	0.03	114	22	602.0	602.2	602.0
30.0	24190	-51.9	-77.9	3	0.03	115	22	602.5	602.8	602.6
28.0	24640	-50.6	-76.6	3	0.04	80	19	618.1	618.4	618.1
27.2	24829	-50.1	-76.1	3	0.05	88	22	624.7	625.1	624.7
25.0	25381	-49.8	-75.8	3	0.05	110	31	640.7	641.2	640.7
24.0	25649	-49.7	-75.7	3	0.05	100	25	648.6	649.1	648.6
23.0	25928	-49.0	-75.0	3	0.06	90	19	658.7	659.3	658.7
22.1	26191	-48.3	-74.3	3	0.07	83	18	668.2	668.9	668.3
21.3	26434	-48.1	-74.1	3	0.08	77	17	675.9	676.7	675.9
21.0	26528	-48.1	-74.2	3	0.08	75	17	678.5	679.3	678.5
20.0	26850	-48.3	-74.3	3	0.08	65	18	687.6	688.4	687.6
19.0	27187	-48.4	-73.7	4	0.09	90	24	697.3	698.2	697.3
18.6	27327	-48.5	-73.5	4	0.10	84	24	701.3	702.3	701.4
18.0	27543	-48.7	-73.7	4	0.10	75	24	707.4	708.4	707.5
17.9	27579	-48.7	-73.7	4	0.10	77	24	708.4	709.5	708.5
17.0	27920	-47.3	-73.2	4	0.11	95	27	723.4	724.6	723.5
15.9	28363	-45.5	-72.5	3	0.13	95	25	743.3	744.7	743.3
15.0	28753	-45.0	-72.0	3	0.15	95	24	757.5	759.2	757.6
14.0	29214	-44.3	-71.3	3	0.18	105	31	774.8	776.8	774.9
12.8	29814	-43.5	-70.5	3	0.22	90	30	797.7	800.2	797.9
12.0	30249	-42.9	-69.9	4	0.26	80	30	814.7	817.7	814.9
10.8	30960	-41.9	-68.9	4	0.33	80	37	843.3	847.1	843.4
10.1	31413	-42.3	-69.3	4	0.33	80	41	858.1	862.1	858.2
10.0	31480	-42.3	-69.3	4	0.34	80	42	860.5	864.6	860.7
9.3	31973	-39.9	-67.9	3	0.44	87	41	887.7	893.1	887.9
9.0	32197	-39.6	-67.3	4	0.50	90	40	897.3	903.5	897.5
8.4	32670	-38.9	-65.9	4	0.64	93	42	917.8	925.9	918.1
8.2	32835	-38.9	-65.9	4	0.66	94	42	924.1	932.5	924.5
8.0	33004	-39.0	-66.0	4	0.66	95	43	930.1	938.6	930.5
7.9	33091	-39.1	-66.1	4	0.67			933.2	941.8	933.6

Station information and sounding indices

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                        Station identifier: VEF
                            Station number: 72388
                          Observation time: 230711/0000
                          Station latitude: 36.05
                         Station longitude: -115.18
                         Station elevation: 697.0
                           Showalter index: 7.29
                              Lifted index: 7.37
    LIFT computed using virtual temperature: 6.82
                                SWEAT index: 35.99
                                    K index: 18.90
                         Cross totals index: 2.90
                    Vertical totals index: 32.90
                      Totals totals index: 35.80
      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: 264.35
Pres [hPa] of the Lifted Condensation Level: 515.72
   Equivalent potential temp [K] of the LCL: 332.15
     Mean mixed layer potential temperature: 319.41
              Mean mixed layer mixing ratio: 3.86
              1000 hPa to 500 hPa thickness: 5905.00
Precipitable water [mm] for entire sounding: 16.08
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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)