

72388 VEF Las Vegas Observations at 00Z 10 Jul 2023

PRES hPa	HGHT m	TEMP C	DWPT C	RELH %	MIXR g/kg	DRCT deg	SKNT knot	THTA K	THTE K	THTV K
1000.0	13									
929.0	697	39.6	-2.4	7	3.47	210	12	319.4	331.0	320.1
925.0	736	38.2	-5.8	6	2.69	215	26	318.4	327.5	318.9
923.0	756	37.8	-6.2	6	2.62	214	26	318.1	327.0	318.7
917.0	815	37.2	-6.8	6	2.52	213	26	318.1	326.7	318.6
908.0	903	36.1	-6.6	6	2.59	210	27	317.9	326.7	318.4
907.0	913	36.0	-6.5	6	2.59	210	27	317.9	326.7	318.4
878.0	1203	32.5	-5.8	8	2.84	200	26	317.2	326.8	317.8
857.0	1420	29.9	-5.2	10	3.04	190	28	316.7	326.9	317.3
850.0	1493	29.0	-5.0	11	3.12	200	28	316.5	326.9	317.1
849.0	1503	28.9				195	27	316.5		316.5
813.0	1877	25.3				200	25	316.7		316.7
793.0	2092	23.3				185	19	316.7		316.7
760.0	2458	19.8				170	24	316.8		316.8
712.0	3021	14.4				190	23	316.8		316.8
702.0	3143	13.2				190	23	316.8		316.8
700.0	3167	13.0				190	23	316.9		316.9
500.0	5880	-7.3				205	39	324.1		324.1
400.0	7580	-14.1				240	41	336.6		336.6
300.0	9710	-27.1				250	45	347.1		347.1
250.0	11000	-36.1				240	47	352.2		352.2
200.0	12510	-48.7				245	53	355.5		355.5
150.0	14350	-60.5				260	24	365.6		365.6
110.0	16220	-71.7				205	24	378.5		378.5
100.0	16780	-70.7				205	7	390.9		390.9
95.0	17082	-71.7				150	7	394.7		394.7
92.0	17270	-72.3				175	10	397.1		397.1
90.0	17400	-72.8				165	13	398.7		398.7
87.6	17559	-73.3				180	15	400.7		400.7
86.1	17659	-73.5				189	17	402.3		402.3
86.0	17666	-73.5				190	17	402.5		402.5
84.1	17797	-72.9				204	8	406.2		406.2
84.0	17804	-72.9				205	8	406.4		406.4
82.0	17945	-72.4				120	5	410.2		410.2
81.7	17967	-72.3				121	5	410.8		410.8
77.0	18314	-72.9				129	11	416.6		416.6
74.0	18550	-70.5				135	15	426.5		426.5
70.5	18837	-67.5				113	14	438.8		438.8
70.0	18880	-67.1				110	14	440.5		440.5
66.3	19209	-65.9				110	16	450.0		450.0
66.0	19236	-66.0				110	16	450.3		450.3
65.0	19329	-66.4				120	14	451.5		451.5
64.7	19357	-66.5				117	14	451.8		451.8
60.4	19776	-63.9				65	15	466.6		466.6
60.0	19817	-63.8				60	15	467.6		467.6
57.0	20133	-63.3				130	14	475.8		475.8
56.0	20242	-63.1				115	13	478.7		478.7
53.2	20557	-62.5				106	22	487.1		487.1
53.0	20580	-62.5				105	23	487.5		487.5
52.0	20698	-62.6				110	19	490.0		490.0
51.2	20794	-62.7				98	15	492.0		492.0
50.0	20940	-62.5				80	10	495.8		495.8
49.5	21002	-62.1				81	13	498.1		498.1
48.0	21193	-61.7				85	24	503.6		503.6
45.0	21594	-60.8				75	11	515.2		515.2
43.6	21790	-60.3				75	19	520.9		520.9
43.0	21877	-60.4				75	22	522.8		522.8
42.4	21964	-60.5				81	23	524.6		524.6
41.0	22176	-59.3				95	24	532.8		532.8
38.0	22654	-56.5				85	18	551.5		551.5
37.4	22755	-55.9				91	21	555.5		555.5
37.0	22823	-55.5				95	23	558.1		558.1
35.4	23106	-54.1				75	21	569.0		569.0
35.0	23179	-54.2				70	21	570.7		570.7
33.2	23517	-54.5				97	26	578.5		578.5
33.0	23556	-54.4				100	27	579.8		579.8
31.0	23958	-52.9				65	17	594.2		594.2
30.0	24170	-52.3				80	26	601.5		601.5
26.3	25025	-50.3				108	31	630.2		630.2
26.0	25100	-50.4				110	31	632.0		632.0
24.0	25621	-50.9				115	22	645.1		645.1
23.3	25814	-51.1				112	17	650.0		650.0
23.0	25898	-51.0				110	15	652.8		652.8
21.3	26398	-50.3				93	23	669.3		669.3
21.0	26491	-50.1				90	24	672.6		672.6
20.0	26810	-49.5				80	17	683.9		683.9
19.3	27043	-49.1				87	21	692.1		692.1
18.0	27504	-46.8				100	30	713.2		713.2
17.7	27615	-46.3				94	28	718.3		718.3
17.0	27884	-45.8				80	24	728.1		728.1
14.4	28992	-43.9				114	25	770.0		770.0
14.0	29182	-43.5				120	25	777.4		777.4
13.5	29426	-43.1				100	28	787.1		787.1
13.2	29578	-42.7				88	30	793.5		793.5
13.0	29681	-42.3				80	31	798.4		798.4
12.6	29892	-41.5				76	30	808.3		808.3
12.0	30225	-40.8				70	28	822.3		822.3
11.2	30694	-39.7				82	40	842.5		842.5
11.0	30818	-39.7				85	43	846.8		846.8
10.6	31071	-39.7				91	40	855.8		855.8
10.0	31470	-38.7				100	34	873.9		873.9
9.1	32121	-36.3				91	41	907.0		907.0
9.0	32198	-35.9				90	42	911.4		911.4
8.8	32354	-35.1						920.4		920.4
8.6	32514	-35.7						924.1		924.1

Station information and sounding indices

Station identifier: VEF
 Station number: 72388
 Observation time: 230710/0000
 Station latitude: 36.05
 Station longitude: -115.18
 Station elevation: 697.0
 Showalter index: 5.54
 Lifted index: 5.52
 LIFT computed using virtual temperature: 5.07
 SWEAT index: 94.99
 Cross totals index: 2.30
 Vertical totals index: 36.30
 Totals totals index: 38.60
 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: 259.22
 Pres [hPa] of the Lifted Condensation Level: 489.86
 Equivalent potential temp [K] of the LCL: 326.86
 Mean mixed layer potential temperature: 317.86
 Mean mixed layer mixing ratio: 2.69
 1000 hPa to 500 hPa thickness: 5867.00
 Precipitable water [mm] for entire sounding: 2.25

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 \(lcoolman@uwyo.edu\)](mailto:Larry.Oolman@uwyo.edu)