

72365 ABQ Albuquerque Observations at 00Z 26 Jul 2015

PRES hPa	HGHT m	TEMP C	DWPT C	RELH %	MIXR g/kg	DRCT deg	SKNT knot	THTA K	THTE K	THTV K
1000.0	34									
925.0	741									
850.0	1497									
838.0	1619	34.4	7.4	19	7.76	260	8	323.5	349.0	325.0
828.0	1727	30.8	6.8	22	7.54	273	6	320.8	345.4	322.2
818.4	1829	29.8	6.5	23	7.45	285	5	320.8	345.1	322.3
790.4	2134	26.9	5.4	25	7.17	275	5	320.9	344.3	322.3
763.4	2438	24.0	4.4	28	6.90	275	5	321.0	343.6	322.4
737.2	2743	21.1	3.3	31	6.64	295	8	321.1	342.8	322.3
700.0	3196	16.8	1.8	36	6.27	315	10	321.1	341.6	322.3
662.7	3658	12.3	0.2	44	5.91	340	10	321.0	340.4	322.2
662.0	3667	12.2	0.2	44	5.90	340	10	321.0	340.4	322.2
615.8	4267	6.6	-1.7	56	5.52	315	6	321.3	339.5	322.3
613.0	4305	6.2	-1.8	57	5.50	310	6	321.3	339.4	322.3
587.0	4659	4.6	-7.4	41	3.76	267	10	323.4	336.1	324.1
571.4	4877	2.8	-8.5	43	3.53	240	12	323.8	335.8	324.5
540.0	5332	-0.9	-10.9	47	3.10	232	13	324.7	335.3	325.3
516.0	5693	-4.3	-11.3	58	3.14	225	14	324.8	335.6	325.4
500.0	5940	-5.9	-15.9	45	2.23	220	14	325.8	333.6	326.2
493.0	6051	-6.7	-18.7	38	1.78	220	15	326.1	332.5	326.5
490.1	6096	-7.0	-18.6	39	1.81	220	15	326.3	332.7	326.7
472.0	6390	-8.9	-17.9	48	1.99	222	15	327.5	334.6	327.9
468.0	6456	-9.1	-16.1	57	2.34	222	15	328.0	336.3	328.5
463.0	6539	-9.3	-21.3	37	1.52	223	15	328.8	334.3	329.1
458.0	6623	-9.3	-21.3	37	1.53	223	15	329.8	335.4	330.1
452.0	6726	-9.9	-23.9	31	1.23	224	15	330.3	334.9	330.5
436.0	7003	-12.1	-24.1	36	1.26	226	14	330.9	335.6	331.2
433.0	7056	-12.3	-21.3	47	1.62	226	14	331.3	337.2	331.6
425.0	7199	-12.9	-27.9	27	0.91	227	14	332.3	335.8	332.5
420.0	7289	-13.5	-29.5	25	0.79	228	14	332.7	335.7	332.8
410.0	7473	-14.1	-22.1	51	1.60	229	14	334.2	340.1	334.5
404.0	7585	-14.9	-27.9	32	0.96	230	14	334.6	338.2	334.8
402.1	7620	-15.1	-29.5	28	0.83	230	14	334.8	338.0	334.9
400.0	7660	-15.3	-31.3	24	0.70	230	14	335.0	337.7	335.2
395.0	7755	-16.1	-31.1	26	0.73	229	14	335.2	338.0	335.3
389.0	7869	-17.1	-25.1	50	1.29	228	15	335.3	340.2	335.6
385.0	7946	-17.5	-30.5	31	0.79	227	15	335.8	338.9	336.0
376.0	8122	-19.1	-30.1	37	0.84	225	16	336.0	339.2	336.1
368.0	8282	-20.1	-31.1	37	0.78	224	17	336.7	339.7	336.9
363.0	8383	-20.3	-39.3	17	0.35	223	17	337.8	339.2	337.8
350.0	8650	-22.5	-44.5	12	0.21	220	19	338.3	339.2	338.4
336.0	8948	-24.9	-43.9	15	0.23	217	20	339.0	340.0	339.1
333.0	9013	-25.5	-37.5	32	0.46	216	20	339.1	340.9	339.2
327.0	9144	-26.2	-36.9	36	0.50	215	21	339.8	341.8	339.9
320.0	9299	-27.1	-36.1	42	0.55	215	22	340.7	342.9	340.8
300.0	9760	-30.1	-44.1	24	0.26	215	23	342.8	343.9	342.9
296.0	9855	-30.9	-45.9	22	0.21	216	23	343.0	343.9	343.1
284.0	10148	-32.9	-46.9	23	0.20	220	22	344.2	345.1	344.3
250.0	11030	-40.7	-53.7	23	0.10	230	19	345.4	345.9	345.4
249.0	11057	-41.1	-54.1	23	0.10	229	19	345.2	345.7	345.2
224.0	11772	-45.7	-60.7	17	0.05	213	25	348.8	349.0	348.8
220.1	11887	-46.7	-61.7	16	0.04	210	26	349.0	349.2	349.0
200.0	12520	-52.1	-67.1	15	0.02	210	21	350.1	350.2	350.1

182.2	13106	-57.2	-72.2	13	0.01	195	21	351.2	351.3	351.2
165.3	13716	-62.6	-77.6	12	0.01	210	20	352.1	352.2	352.1
162.0	13843	-63.7	-78.7	11	0.01	207	20	352.3	352.3	352.3
150.0	14310	-66.5	-79.5	15	0.00	195	20	355.3	355.4	355.3
142.2	14630	-68.5	-81.5	14	0.00	190	16	357.3	357.3	357.3
140.0	14725	-69.1	-82.1	14	0.00	201	15	357.9	357.9	357.9
137.0	14855	-69.3	-82.3	14	0.00	216	13	359.7	359.7	359.7
135.2	14935	-69.9	-82.5	14	0.00	225	12	360.0	360.0	360.0
128.4	15240	-72.4	-83.5	18	0.00	215	15	361.0	361.0	361.0
128.0	15258	-72.5	-83.5	18	0.00	214	15	361.0	361.0	361.0
125.0	15397	-72.5	-84.5	15	0.00	205	19	363.5	363.5	363.5
121.9	15545	-73.5	-85.0	16	0.00	195	22	364.3	364.4	364.3
118.0	15734	-74.7	-85.7	17	0.00	205	20	365.4	365.5	365.4
107.0	16303	-74.7	-86.7	14	0.00	249	11	375.8	375.8	375.8
103.0	16526	-72.3	-84.3	15	0.00	267	7	384.5	384.5	384.5
100.0	16700	-73.3	-86.3	12	0.00	280	4	385.9	385.9	385.9
95.4	16977	-72.9	-84.9	15	0.00	249	5	391.9	391.9	391.9
93.6	17090	-70.5	-83.5	13	0.00	236	5	398.7	398.7	398.7
91.1	17251	-70.9	-82.9	16	0.00	219	5	401.0	401.1	401.0
88.8	17403	-68.5	-81.5	14	0.01	202	6	408.8	408.8	408.8
86.0	17596	-69.3	-82.3	14	0.01	180	6	410.9	410.9	410.9
82.3	17861	-67.1	-80.1	14	0.01	151	7	420.6	420.6	420.6
78.9	18116	-67.3	-80.3	14	0.01	124	8	425.3	425.3	425.3
76.7	18288	-64.7	-79.4	11	0.01	105	8	434.2	434.3	434.2
76.4	18312	-64.3	-79.3	11	0.01	106	8	435.5	435.5	435.5
73.9	18516	-64.7	-78.7	13	0.01	115	12	438.8	438.9	438.8
70.0	18850	-62.3	-77.3	12	0.01	130	18	450.8	450.9	450.8
69.5	18898	-62.0	-77.2	12	0.02	130	18	452.4	452.4	452.4
66.1	19202	-60.3	-76.2	11	0.02	140	11	462.5	462.6	462.5
65.8	19234	-60.1	-76.1	11	0.02	136	11	463.6	463.7	463.6
57.1	20117	-59.7	-77.8	8	0.02	15	2	483.6	483.7	483.6
54.4	20422	-59.5	-78.3	7	0.02	75	14	490.7	490.9	490.7
50.0	20950	-59.3	-79.3	6	0.01	85	8	503.3	503.4	503.3
49.4	21031	-59.4	-79.4	6	0.02	70	12	505.0	505.1	505.1
47.8	21231	-59.5	-79.5	6	0.02	80	15	509.3	509.5	509.4
47.0	21336	-58.8	-79.5	5	0.02	85	17	513.6	513.7	513.6
44.8	21641	-56.6	-79.5	4	0.02	100	27	526.0	526.1	526.0
43.7	21795	-55.5	-79.5	4	0.02	100	23	532.3	532.5	532.4
40.7	22250	-55.8	-80.6	3	0.01	100	12	542.6	542.7	542.6
39.9	22372	-55.9	-80.9	3	0.01	95	13	545.4	545.5	545.4
37.9	22700	-54.1	-80.1	3	0.02	82	16	558.0	558.2	558.0
37.0	22860	-54.0	-80.5	3	0.02	75	18	562.2	562.4	562.2
35.2	23165	-53.9	-81.1	2	0.02	100	20	570.4	570.5	570.4
33.8	23432	-53.7	-81.7	2	0.02	69	24	577.6	577.8	577.6
33.6	23470	-53.4	-81.7	2	0.02	65	25	579.4	579.6	579.4
32.7	23645	-51.9	-81.9	2	0.02	68	29	587.9	588.0	587.9
30.6	24079	-52.8	-82.8	1	0.01	75	39	596.8	596.9	596.8
30.0	24200	-53.1	-83.1	1	0.01	75	38	599.3	599.4	599.3
29.2	24384	-53.9	-83.8	1	0.01	85	30	602.1	602.2	602.1
29.1	24396	-53.9	-83.9	1	0.01	85	30	602.3	602.4	602.3
27.8	24689	-52.5	-83.8	1	0.01	90	27	614.0	614.2	614.0
27.1	24857	-51.7	-83.7	1	0.01	90	27	620.9	621.0	620.9
25.0	25382	-51.3	-84.3	1	0.01	90	28	636.5	636.6	636.5
24.0	25650	-48.5	-82.5	1	0.02	90	29	652.1	652.3	652.1
21.0	26518	-49.2	-83.2	1	0.02	90	30	674.9	675.1	675.0
20.1	26822	-49.5	-83.5	1	0.02	100	23	683.1	683.3	683.1
20.0	26850	-49.5	-83.5	1	0.02	100	23	683.9	684.1	683.9
19.3	27083	-49.7	-83.7	1	0.02	92	27	690.3	690.5	690.3
19.2	27127	-49.5	-83.6	1	0.02	90	28	692.1	692.3	692.1
18.3	27432	-48.3	-82.6	1	0.02	95	31	705.1	705.4	705.1
17.5	27737	-47.1	-81.7	1	0.03	100	32	718.3	718.6	718.3

16.3	28197	-45.3	-80.3	1	0.04	81	30	738.7	739.1	738.7
15.9	28346	-45.4	-80.4	1	0.04	75	29	743.0	743.4	743.0
15.2	28651	-45.7	-80.7	1	0.04	80	43	751.8	752.2	751.8
14.4	29021	-46.1	-81.1	1	0.04	80	37	762.6	763.1	762.6
13.4	29502	-42.7	-78.7	1	0.06	80	30	790.1	790.8	790.1
13.3	29566	-42.6	-78.7	1	0.06	80	29	792.6	793.4	792.7
11.7	30419	-41.1	-78.1	1	0.08	89	35	827.0	828.0	827.1
11.6	30480	-41.2	-78.2	1	0.08	90	35	828.7	829.6	828.7
10.4	31215	-42.9	-78.9	1	0.08	94	38	848.7	849.7	848.8
10.0	31480	-40.5	-77.5	1	0.10	95	39	867.2	868.5	867.3
9.3	31978	-37.3	-75.3	1	0.15	89	40	897.6	899.5	897.6
8.9	32309	-37.3	-75.3	1	0.16	85	40	910.0	912.0	910.0
8.8	32359	-37.3	-75.3	1	0.16			911.9	914.0	911.9

Station information and sounding indices

```

Station identifier: ABQ
Station number: 72365
Observation time: 150726/0000
Station latitude: 35.04
Station longitude: -106.62
Station elevation: 1619.0
Lifted index: -1.12
LIFT computed using virtual temperature: -1.64
Convective Available Potential Energy: 74.97
CAPE using virtual temperature: 137.68
Convective Inhibition: -50.69
CINS using virtual temperature: -28.37
Equilibrium Level: 325.36
Equilibrium Level using virtual temperature: 322.88
Level of Free Convection: 530.60
LFCT using virtual temperature: 539.88
Bulk Richardson Number: 68.08
Bulk Richardson Number using CAPV: 125.01
Temp [K] of the Lifted Condensation Level: 274.59
Pres [hPa] of the Lifted Condensation Level: 578.11
Mean mixed layer potential temperature: 321.14
Mean mixed layer mixing ratio: 7.42
1000 hPa to 500 hPa thickness: 5906.00
Precipitable water [mm] for entire sounding: 21.27

```

Description of the [data columns](#) or [sounding indices](#).

[Close this window](#)
[Select another map](#)

Interested in graduate studies in atmospheric science? Check out our program at the [University of Wyoming](#)

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