

72206 JAX Jacksonville Intl Observations at 00Z 24 Jul 2015

PRES hPa	HGHT m	TEMP C	DWPT C	RELH %	MIXR g/kg	DRCT deg	SKNT knot	THTA K	THTE K	THTV K
1013.0	9	26.4	25.0	92	20.17	350	2	298.4	357.4	302.0
1000.0	122	27.0	23.9	83	19.09	20	5	300.1	356.4	303.6
996.0	158	27.4	23.3	78	18.47	16	6	300.9	355.4	304.2
979.6	305	26.5	22.5	79	17.85	0	9	301.4	354.3	304.7
970.0	392	26.0	22.0	79	17.50	356	10	301.8	353.6	304.9
946.4	610	25.8	21.6	78	17.52	345	11	303.7	356.0	306.9
927.0	793	25.6	21.3	77	17.54	313	10	305.3	358.0	308.5
925.0	812	25.4	21.0	77	17.25	310	10	305.3	357.1	308.4
914.3	914	24.7	20.4	77	16.86	295	12	305.6	356.3	308.6
883.0	1219	22.5	18.8	79	15.72	260	11	306.4	353.9	309.3
850.0	1552	20.2	17.0	82	14.56	250	12	307.3	351.4	310.0
825.0	1810	18.2	16.3	89	14.34	259	15	307.8	351.4	310.5
823.2	1829	18.1	16.0	88	14.12	260	15	307.9	350.9	310.5
814.0	1925	17.8	14.7	82	13.09	263	15	308.6	348.5	311.0
794.4	2134	16.2	13.9	86	12.73	270	14	309.0	348.0	311.4
787.0	2214	15.6	13.6	88	12.59	273	14	309.2	347.8	311.5
766.4	2438	14.3	11.8	85	11.49	280	14	310.2	345.6	312.4
739.3	2743	12.7	9.4	81	10.12	280	16	311.6	343.0	313.5
726.0	2896	11.8	8.2	79	9.49	280	17	312.2	341.8	314.0
719.0	2977	10.8	8.2	84	9.58	280	17	312.0	341.8	313.8
701.0	3189	10.2	6.0	75	8.43	280	18	313.6	340.2	315.2
700.0	3201	10.0	5.8	75	8.33	280	18	313.5	339.7	315.1
673.0	3527	7.6	4.4	80	7.85	294	19	314.4	339.2	315.9
662.4	3658	7.0	3.2	77	7.31	300	19	315.2	338.4	316.6
644.0	3890	6.0	1.0	70	6.43	298	19	316.6	337.2	317.8
614.9	4267	3.7	1.6	86	7.05	295	19	318.1	340.8	319.4
602.0	4441	2.6	1.9	95	7.35	294	18	318.8	342.5	320.2
596.0	4522	2.2	0.0	85	6.46	293	18	319.2	340.2	320.5
581.0	4727	0.2	-2.6	81	5.47	291	17	319.2	337.1	320.3
574.0	4825	-0.5	-1.2	95	6.14	290	17	319.5	339.5	320.7
570.2	4877	-0.8	-1.5	95	6.04	290	17	319.7	339.4	320.9
551.0	5151	-2.5	-3.2	95	5.52	285	19	320.9	339.0	322.0
542.0	5282	-2.1	-3.8	88	5.36	282	19	322.9	340.7	323.9
527.0	5505	-3.5	-3.7	99	5.56	278	21	323.8	342.3	324.9
514.0	5703	-4.3	-4.6	98	5.32	274	22	325.2	343.0	326.2
508.0	5795	-5.7	-6.6	93	4.62	272	22	324.6	340.1	325.5
500.0	5920	-6.3	-7.1	94	4.52	270	23	325.3	340.5	326.2
493.0	6030	-6.9	-7.9	93	4.30	270	22	325.9	340.5	326.7
488.8	6096	-7.1	-8.1	93	4.27	270	21	326.4	340.9	327.2
470.0	6401	-8.1	-9.1	92	4.11	285	25	328.9	343.0	329.7
443.0	6860	-9.5	-10.6	92	3.87	315	22	332.7	346.2	333.5
434.4	7010	-10.5	-11.7	91	3.62	325	21	333.3	346.1	334.1
414.0	7379	-12.9	-14.3	89	3.07	319	17	334.8	345.8	335.4
407.0	7509	-14.1	-17.4	76	2.41	317	16	334.9	343.6	335.4
401.1	7620	-14.4	-17.2	79	2.48	315	15	335.9	344.9	336.4
400.0	7640	-14.5	-17.2	80	2.50	315	15	336.1	345.1	336.6
383.0	7968	-16.9	-19.9	78	2.07	309	13	337.1	344.7	337.5
372.0	8187	-17.5	-20.1	80	2.10	306	11	339.1	346.9	339.6
369.9	8230	-17.8	-20.3	80	2.07	305	11	339.3	347.0	339.8
355.0	8534	-19.6	-21.9	82	1.88	330	16	340.9	347.9	341.3
332.0	9033	-22.5	-24.4	84	1.61	334	14	343.5	349.6	343.8
327.0	9144	-23.3	-25.3	84	1.50	335	13	343.9	349.6	344.2
302.0	9722	-27.5	-30.0	79	1.05	335	9	345.9	350.0	346.1

300.0	9770	-27.9	-30.3	80	1.03	335	9	345.9	350.0	346.2
277.0	10337	-32.1	-33.9	84	0.79	354	6	347.9	351.0	348.0
276.0	10363	-32.3	-34.2	83	0.77	355	6	347.9	351.0	348.0
255.0	10914	-37.5	-40.9	70	0.42	327	13	348.2	350.0	348.3
250.0	11050	-38.3	-40.8	77	0.43	320	15	349.0	350.8	349.1
243.0	11244	-39.9	-41.1	88	0.43	316	14	349.4	351.2	349.5
241.8	11278	-40.2	-41.4	88	0.42	315	14	349.5	351.3	349.6
233.0	11529	-42.3	-43.9	84	0.34	327	14	350.0	351.4	350.1
223.0	11824	-44.7	-48.6	65	0.21	342	14	350.7	351.6	350.8
220.9	11887	-45.3	-49.0	66	0.20	345	14	350.8	351.7	350.9
206.0	12348	-49.5	-52.3	72	0.15	341	14	351.2	351.9	351.3
200.0	12540	-51.3	-54.3	70	0.12	340	14	351.4	351.9	351.4
182.7	13106	-56.5	-59.6	67	0.07	345	25	352.2	352.5	352.2
150.3	14326	-67.6	-71.1	61	0.02	325	17	353.3	353.4	353.3
150.0	14340	-67.7	-71.2	61	0.02	325	17	353.3	353.4	353.3
149.0	14380	-68.1	-71.6	61	0.02	326	17	353.3	353.3	353.3
129.0	15233	-75.1	-79.0	55	0.01	350	22	355.5	355.6	355.5
128.8	15240	-75.1	-79.0	55	0.01	350	22	355.6	355.6	355.6
122.0	15556	-77.1	-80.9	55	0.00	360	24	357.6	357.6	357.6
118.0	15748	-76.9	-80.8	54	0.00	6	25	361.4	361.4	361.4
112.0	16047	-78.7	-82.7	52	0.00	15	26	363.5	363.5	363.5
110.0	16150	-78.5	-82.5	52	0.00	15	26	365.7	365.7	365.7
109.9	16154	-78.4	-82.4	52	0.00	15	26	366.0	366.0	366.0
108.0	16255	-76.1	-80.4	51	0.01	29	23	372.2	372.2	372.2
102.0	16585	-77.1	-81.4	50	0.01	74	12	376.4	376.4	376.4
101.0	16642	-76.5	-80.9	50	0.01	82	10	378.6	378.6	378.6
100.0	16700	-73.1	-77.8	49	0.01	90	8	386.2	386.3	386.2
97.4	16856	-69.7	-74.7	48	0.02	101	13	395.8	395.9	395.8
94.0	17069	-70.0	-75.9	42	0.01	115	19	399.3	399.4	399.3
90.2	17312	-70.3	-77.3	35	0.01	23	4	403.4	403.4	403.4
89.3	17374	-69.4	-76.9	33	0.01	0	0	406.4	406.4	406.4
86.4	17570	-66.5	-75.5	27	0.02	18	0	416.0	416.1	416.0
76.7	18288	-66.5	-81.1	11	0.01	85	2	430.3	430.4	430.3
76.1	18338	-66.5	-81.5	11	0.01	78	4	431.4	431.4	431.4
73.0	18593	-64.0	-82.0	7	0.01	45	16	441.8	441.8	441.8
70.0	18850	-61.5	-82.5	5	0.01	65	22	452.5	452.5	452.5
66.1	19206	-59.1	-80.1	5	0.01	95	26	465.2	465.2	465.2
66.1	19202	-59.1	-80.1	5	0.01	95	26	465.0	465.1	465.0
60.0	19812	-59.3	-81.2	4	0.01	65	11	477.8	477.9	477.8
59.4	19874	-59.3	-81.3	4	0.01	75	11	479.1	479.2	479.1
57.1	20117	-60.2	-82.2	4	0.01	115	11	482.4	482.4	482.4
51.8	20726	-62.6	-84.6	4	0.01	65	14	490.6	490.6	490.6
51.6	20745	-62.7	-84.7	4	0.01	67	15	490.9	490.9	490.9
50.0	20940	-60.5	-82.5	4	0.01	85	20	500.5	500.6	500.5
49.3	21031	-59.7	-82.2	4	0.01	90	20	504.5	504.5	504.5
47.2	21301	-57.3	-81.3	3	0.01	68	21	516.5	516.5	516.5
46.9	21336	-57.4	-81.3	3	0.01	65	21	517.1	517.1	517.1
42.6	21946	-58.9	-82.2	3	0.01	120	20	528.0	528.1	528.0
40.6	22250	-59.6	-82.6	4	0.01	105	17	533.5	533.6	533.5
40.3	22294	-59.7	-82.7	4	0.01	102	17	534.3	534.4	534.3
36.8	22860	-57.4	-82.3	3	0.01	60	23	554.1	554.2	554.1
36.7	22882	-57.3	-82.3	3	0.01	61	23	554.9	555.0	555.0
33.0	23553	-57.9	-83.9	2	0.01	83	28	570.5	570.5	570.5
31.9	23774	-56.0	-82.5	2	0.01	90	30	581.3	581.4	581.3
30.8	23991	-54.1	-81.1	2	0.02	79	30	592.1	592.2	592.1
30.4	24079	-54.2	-81.2	2	0.02	75	30	594.1	594.3	594.1
30.0	24160	-54.3	-81.3	2	0.02	75	31	596.0	596.2	596.0
29.0	24384	-54.5	-81.0	2	0.02	80	31	601.4	601.6	601.4
28.0	24602	-54.7	-80.7	3	0.02	81	34	606.8	607.0	606.8
24.0	25603	-51.4	-81.3	2	0.02	85	50	643.9	644.2	644.0
23.9	25624	-51.3	-81.3	2	0.02	85	50	644.7	644.9	644.7

23.3	25789	-49.5	-79.5	2	0.03	87	50	654.7	655.0	654.7
20.0	26790	-49.7	-80.7	1	0.03	95	48	683.3	683.6	683.3
18.1	27450	-45.1	-78.1	1	0.05	90	42	717.5	718.0	717.5
18.1	27432	-45.2	-78.2	1	0.05	90	42	716.6	717.1	716.6
15.8	28354	-46.7	-78.7	1	0.05			740.7	741.3	740.7
15.8	28346	-46.7	-78.7	1	0.05	100	40	740.5	741.1	740.5

Station information and sounding indices

Station identifier: JAX
Station number: 72206
Observation time: 150724/0000
Station latitude: 30.50
Station longitude: -81.70
Station elevation: 9.0
Showalter index: -3.74
Lifted index: -4.96
LIFT computed using virtual temperature: -5.38
SWEAT index: 267.01
K index: 39.30
Cross totals index: 23.30
Vertical totals index: 26.50
Totals totals index: 49.80
Convective Available Potential Energy: 1194.80
CAPE using virtual temperature: 1305.37
Convective Inhibition: -102.91
CINS using virtual temperature: -91.17
Equilibrium Level: 134.57
Equilibrium Level using virtual temperature: 134.08
Level of Free Convection: 799.13
LFCT using virtual temperature: 810.09
Bulk Richardson Number: 47.79
Bulk Richardson Number using CAPV: 52.21
Temp [K] of the Lifted Condensation Level: 295.25
Pres [hPa] of the Lifted Condensation Level: 934.73
Mean mixed layer potential temperature: 301.01
Mean mixed layer mixing ratio: 18.32
1000 hPa to 500 hPa thickness: 5798.00
Precipitable water [mm] for entire sounding: 65.64

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