

72201 KEY Key West 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
1015.0	13	30.0	25.0	75	20.13	170	6	301.9	361.6	305.5
1000.0	150	28.8	24.6	78	19.94	215	6	301.9	361.2	305.5
982.7	305	27.4	24.1	82	19.64	255	3	302.1	360.4	305.6
949.5	610	24.7	23.0	90	19.05	295	4	302.3	358.9	305.8
943.0	671	24.2	22.8	92	18.94	303	4	302.4	358.6	305.8
925.0	841	23.2	21.6	91	17.91	325	4	303.0	356.4	306.3
922.0	869	23.0	21.4	91	17.75	323	4	303.1	356.0	306.3
917.3	914	22.8	20.8	89	17.17	320	5	303.3	354.5	306.4
888.0	1197	21.2	16.9	76	13.83	306	2	304.5	346.0	307.0
885.8	1219	21.1	17.1	78	14.05	305	2	304.6	346.7	307.1
879.0	1286	20.6	17.7	83	14.72	308	2	304.8	348.9	307.5
874.0	1335	20.6	17.4	82	14.52	310	2	305.3	348.9	307.9
861.0	1465	21.0	11.0	53	9.66	315	2	307.0	336.5	308.8
850.0	1576	20.2	9.2	49	8.66	320	2	307.3	333.9	308.9
843.0	1647	20.0	8.0	46	8.04	310	2	307.8	332.6	309.3
827.0	1812	18.4	7.4	49	7.87	287	3	307.8	332.1	309.3
825.4	1829	18.2	8.0	51	8.24	285	3	307.8	333.2	309.3
817.0	1916	17.4	11.4	68	10.47	286	3	307.8	339.8	309.8
796.3	2134	16.0	9.8	66	9.60	290	3	308.6	338.1	310.4
768.3	2438	14.2	7.4	64	8.50	355	4	309.8	336.1	311.4
749.0	2654	12.8	5.8	62	7.78	355	3	310.6	334.8	312.0
741.1	2743	12.0	6.3	68	8.14	355	3	310.7	336.0	312.2
725.0	2927	10.4	7.3	81	8.93	324	4	310.8	338.6	312.5
717.0	3019	9.6	6.5	81	8.54	309	4	310.9	337.5	312.5
707.0	3136	9.0	6.7	86	8.78	289	5	311.5	338.9	313.2
703.0	3183	10.0	6.7	80	8.83	281	5	313.1	340.8	314.8
700.0	3219	9.6	6.2	79	8.57	275	5	313.1	340.0	314.7
685.0	3399	8.2	6.0	86	8.63	271	5	313.5	340.6	315.1
669.0	3595	7.2	5.0	86	8.24	266	5	314.5	340.5	316.0
663.9	3658	7.2	3.3	76	7.36	265	5	315.2	338.6	316.6
663.0	3669	7.2	3.0	75	7.21	265	5	315.3	338.2	316.6
655.0	3769	6.8	3.4	79	7.52	269	5	315.9	339.9	317.4
630.0	4089	5.8	-3.2	52	4.82	279	5	318.3	334.1	319.2
624.0	4168	5.6	-10.4	31	2.79	282	5	319.0	328.4	319.5
616.5	4267	4.9	-11.9	28	2.50	285	5	319.3	327.8	319.8
615.0	4286	4.8	-12.2	28	2.45	287	5	319.4	327.7	319.8
602.0	4460	3.2	-7.8	44	3.55	301	5	319.5	331.3	320.2
591.0	4610	2.4	-13.6	30	2.28	313	4	320.2	328.1	320.7
578.0	4789	1.0	-13.0	34	2.44	328	4	320.6	329.0	321.1
571.7	4877	0.1	-11.4	42	2.82	335	4	320.6	330.2	321.2
563.0	5000	-1.1	-9.1	55	3.43	342	4	320.6	332.1	321.2
544.0	5274	-2.7	-12.7	46	2.66	359	4	321.8	330.9	322.4
538.0	5362	-3.3	-10.3	58	3.26	4	4	322.1	333.2	322.8
534.0	5421	-3.9	-6.9	80	4.29	8	3	322.1	336.5	322.9
530.0	5480	-3.9	-5.6	88	4.78	12	3	322.8	338.7	323.7
523.0	5586	-3.9	-7.4	77	4.22	18	3	324.0	338.2	324.9
516.0	5692	-4.3	-14.3	46	2.46	25	3	324.8	333.4	325.3
512.0	5753	-4.3	-23.3	21	1.15	29	3	325.5	329.7	325.8
505.0	5862	-5.3	-17.3	38	1.96	35	3	325.6	332.5	326.0
500.0	5940	-5.7	-19.7	32	1.61	40	3	326.0	331.8	326.3
499.0	5956	-5.7	-19.7	32	1.62	40	3	326.2	332.0	326.5
490.1	6096	-6.7	-19.7	35	1.65	40	4	326.7	332.6	327.0
490.0	6098	-6.7	-19.7	35	1.65	40	4	326.7	332.6	327.0

488.0	6130	-6.9	-21.9	29	1.37	40	4	326.8	331.8	327.1
485.0	6178	-7.3	-18.3	41	1.87	39	4	326.9	333.6	327.3
482.0	6226	-7.5	-22.5	29	1.31	39	5	327.2	332.0	327.5
478.0	6291	-8.1	-22.1	31	1.37	38	5	327.3	332.2	327.6
469.0	6438	-8.5	-27.5	20	0.86	37	5	328.6	331.8	328.7
465.0	6504	-8.9	-24.9	26	1.10	36	6	328.9	332.9	329.1
462.0	6554	-9.3	-20.3	40	1.66	36	6	329.0	335.0	329.3
458.0	6621	-9.9	-19.9	44	1.73	35	6	329.1	335.3	329.4
447.0	6808	-11.1	-23.1	36	1.34	33	7	329.8	334.8	330.1
442.0	6894	-11.5	-31.5	17	0.62	32	7	330.4	332.8	330.5
438.0	6963	-12.3	-32.3	17	0.58	32	7	330.2	332.5	330.4
434.0	7033	-12.9	-26.9	30	0.98	31	8	330.3	334.0	330.5
432.0	7068	-12.9	-26.9	30	0.98	31	8	330.8	334.5	331.0
429.0	7121	-13.1	-32.1	19	0.61	30	8	331.2	333.5	331.3
423.0	7228	-13.9	-29.9	25	0.76	29	8	331.5	334.4	331.6
420.0	7282	-14.3	-28.3	29	0.89	28	9	331.7	335.0	331.8
417.0	7336	-14.5	-21.5	55	1.65	28	9	332.1	338.1	332.4
413.0	7409	-14.7	-21.7	55	1.64	27	9	332.7	338.8	333.1
401.6	7620	-16.4	-22.6	59	1.56	25	10	333.1	338.9	333.5
400.0	7650	-16.7	-22.7	60	1.55	25	10	333.2	338.9	333.5
396.0	7725	-16.9	-24.9	50	1.29	27	10	333.9	338.7	334.1
391.0	7821	-17.7	-22.7	65	1.59	29	10	334.1	339.9	334.4
382.0	7994	-18.9	-23.0	70	1.58	34	9	334.7	340.6	335.0
370.0	8230	-20.6	-26.0	62	1.25	40	9	335.5	340.2	335.8
365.0	8332	-21.3	-27.3	58	1.12	38	10	335.9	340.1	336.1
362.0	8392	-21.7	-29.7	48	0.91	37	11	336.1	339.6	336.3
359.0	8454	-22.3	-26.7	67	1.21	36	12	336.1	340.7	336.4
355.1	8534	-22.9	-26.7	71	1.22	35	13	336.4	340.9	336.6
349.0	8660	-23.9	-26.8	77	1.23	42	14	336.7	341.4	337.0
343.0	8787	-24.3	-29.2	64	1.00	49	16	337.8	341.7	338.1
334.0	8980	-25.9	-30.9	63	0.88	61	18	338.2	341.6	338.4
327.0	9133	-25.9	-33.9	47	0.67	69	20	340.3	342.9	340.4
326.5	9144	-26.0	-34.2	46	0.65	70	20	340.3	342.9	340.4
313.0	9448	-28.5	-41.5	28	0.32	80	18	340.9	342.3	341.0
312.9	9449	-28.5	-41.5	28	0.32	80	18	340.9	342.3	341.0
309.0	9540	-29.3	-38.3	41	0.46	79	19	341.1	342.9	341.2
300.0	9750	-31.1	-37.1	56	0.53	75	22	341.4	343.6	341.5
299.0	9774	-31.1	-37.1	56	0.53	74	22	341.8	343.9	341.9
287.2	10058	-33.7	-39.7	55	0.42	60	23	342.0	343.7	342.1
281.0	10212	-35.1	-41.1	54	0.37	60	24	342.1	343.7	342.2
277.0	10312	-35.5	-40.5	60	0.41	60	25	342.9	344.6	343.0
270.0	10490	-36.5	-42.5	54	0.34	60	27	344.0	345.4	344.1
259.0	10778	-38.9	-42.8	66	0.34	60	30	344.6	346.0	344.7
255.0	10885	-39.9	-44.9	59	0.28	60	31	344.6	345.8	344.7
250.0	11020	-41.1	-45.9	60	0.25	60	32	344.8	345.9	344.9
244.0	11185	-42.5	-46.8	63	0.23	62	34	345.1	346.1	345.2
239.0	11324	-43.5	-53.5	32	0.11	63	35	345.7	346.2	345.7
233.0	11495	-44.7	-54.7	32	0.10	65	37	346.4	346.8	346.4
223.0	11787	-47.5	-53.5	50	0.12	69	41	346.4	347.0	346.5
220.0	11876	-48.1	-54.1	50	0.11	70	42	346.9	347.4	346.9
219.6	11887	-48.1	-54.4	48	0.11	70	42	347.0	347.4	347.0
212.0	12120	-48.9	-60.9	23	0.05	66	37	349.3	349.5	349.3
209.7	12192	-49.5	-61.9	22	0.04	65	36	349.5	349.7	349.5
201.0	12468	-51.7	-65.7	17	0.03	69	36	350.2	350.4	350.2
200.0	12500	-52.1	-66.1	17	0.03	70	36	350.1	350.2	350.1
188.0	12897	-55.7	-65.7	28	0.03	81	36	350.5	350.7	350.6
173.2	13411	-59.1	-71.9	18	0.01	95	37	353.1	353.2	353.1
167.0	13642	-60.7	-74.7	14	0.01	90	35	354.3	354.3	354.3
150.0	14300	-66.7	-76.7	23	0.01	75	29	355.0	355.0	355.0
149.3	14326	-66.9	-76.7	24	0.01	75	27	355.0	355.1	355.0
144.0	14546	-68.9	-76.9	31	0.01	75	29	355.3	355.4	355.3

132.0	15062	-72.5	-79.5	34	0.01	75	34	357.9	357.9	357.9
128.1	15240	-72.5	-79.9	32	0.01	75	36	360.9	361.0	361.0
123.0	15478	-72.5	-80.5	29	0.01	77	36	365.1	365.2	365.1
117.0	15770	-74.9	-82.9	28	0.00	79	36	366.0	366.0	366.0
115.4	15850	-74.7	-82.7	28	0.00	80	36	367.7	367.7	367.7
113.0	15973	-74.5	-82.5	28	0.00	86	35	370.4	370.4	370.4
106.0	16343	-76.9	-84.9	27	0.00	105	31	372.6	372.7	372.6
100.0	16680	-74.7	-83.7	24	0.00	65	15	383.1	383.2	383.1
98.6	16762	-74.9	-83.9	24	0.00	65	19	384.3	384.3	384.3
93.6	17069	-70.7	-82.3	17	0.00	65	35	398.4	398.5	398.4
92.9	17110	-70.1	-82.1	16	0.01	67	34	400.4	400.4	400.4
82.9	17793	-65.9	-85.9	5	0.00	97	25	422.2	422.2	422.2
80.3	17983	-66.5	-87.3	4	0.00	105	23	424.8	424.8	424.8
76.3	18288	-67.4	-89.5	3	0.00	90	12	429.0	429.1	429.0
73.6	18509	-68.1	-91.1	2	0.00	68	13	432.1	432.1	432.1
72.6	18593	-67.7	-90.9	2	0.00	60	14	434.8	434.8	434.8
70.0	18810	-66.5	-90.5	2	0.00	70	21	441.8	441.8	441.8
69.0	18898	-66.2	-90.4	2	0.00	85	26	444.3	444.3	444.3
65.6	19202	-65.1	-90.0	2	0.00	115	23	453.0	453.0	453.0
61.0	19649	-63.5	-89.5	2	0.00	117	24	466.2	466.2	466.2
56.5	20117	-64.4	-91.0	2	0.00	120	26	474.5	474.5	474.5
54.0	20395	-64.9	-91.9	1	0.00	111	20	479.5	479.5	479.5
53.8	20422	-64.6	-91.8	1	0.00	110	19	480.7	480.7	480.7
51.2	20726	-61.7	-90.1	1	0.00	100	25	494.4	494.4	494.4
50.0	20870	-60.3	-89.3	1	0.00	75	27	500.9	501.0	500.9
49.3	20958	-59.9	-88.9	1	0.00	72	29	503.9	503.9	503.9
48.7	21031	-59.8	-89.0	1	0.00	70	30	505.9	505.9	505.9
46.4	21336	-59.3	-89.3	1	0.00	75	37	514.0	514.1	514.0
46.2	21364	-59.3	-89.3	1	0.00	74	37	514.8	514.8	514.8
44.3	21626	-60.9	-89.9	1	0.00	68	40	517.1	517.1	517.1
42.7	21856	-57.9	-88.9	1	0.00	62	42	530.0	530.0	530.0
42.1	21946	-57.7	-88.7	1	0.00	60	43	532.7	532.8	532.7
40.7	22159	-57.1	-88.1	1	0.00	71	35	539.3	539.3	539.3
40.1	22250	-57.8	-88.2	1	0.00	75	31	539.8	539.8	539.8
39.7	22316	-58.3	-88.3	1	0.00	76	32	540.1	540.1	540.1
37.5	22677	-55.3	-86.3	1	0.01	79	36	556.6	556.7	556.6
34.4	23225	-56.7	-87.7	1	0.01	83	43	566.9	566.9	566.9
33.1	23470	-55.4	-86.9	1	0.01	85	46	576.5	576.5	576.5
31.6	23767	-53.9	-85.9	1	0.01	80	42	588.3	588.4	588.3
30.0	24100	-53.9	-85.9	1	0.01	75	38	597.1	597.2	597.1
28.7	24384	-54.5	-86.1	1	0.01	80	28	603.0	603.1	603.0
27.4	24689	-55.2	-86.3	1	0.01	65	37	609.5	609.6	609.5
27.1	24750	-55.3	-86.3	1	0.01	68	40	610.8	610.9	610.8
26.1	24994	-52.1	-84.8	1	0.01	80	51	626.5	626.6	626.5
25.9	25041	-51.5	-84.5	1	0.01	80	51	629.5	629.6	629.5
23.9	25564	-49.5	-82.5	1	0.02	83	46	650.0	650.1	650.0
20.6	26536	-49.3	-82.3	1	0.02	89	39	678.8	679.0	678.8
20.0	26730	-48.7	-82.7	1	0.02	90	37	686.3	686.6	686.4
19.7	26822	-48.3	-82.6	1	0.02	90	37	690.2	690.4	690.2
18.8	27139	-47.1	-82.1	1	0.03	95	41	703.6	703.8	703.6
18.0	27432	-47.8	-82.2	1	0.03	100	44	710.4	710.7	710.4
16.4	28042	-49.2	-82.3	1	0.03	110	49	724.8	725.1	724.8
16.3	28081	-49.3	-82.3	1	0.03	109	49	725.7	726.0	725.7
14.8	28719	-46.5	-81.5	1	0.04	90	51	755.3	755.7	755.4
13.6	29261	-45.8	-80.8	1	0.04	75	52	775.4	775.9	775.4
13.1	29532	-45.5	-80.5	1	0.05	79	57	785.6	786.1	785.6
13.0	29566	-45.2	-80.3	1	0.05	80	58	787.6	788.2	787.7
12.1	30068	-41.1	-78.1	1	0.07	92	46	819.1	820.0	819.2
11.9	30175	-41.0	-78.0	1	0.08	95	44	823.2	824.2	823.3
11.4	30480	-40.7	-77.7	1	0.09	85	44	835.0	836.0	835.0
10.0	31370	-39.7	-76.7	1	0.11	85	35	870.2	871.6	870.3

9.5	31699	-39.2	-76.2	1	0.13	80	38	884.0	885.6	884.1
9.4	31793	-39.1	-76.1	1	0.13			888.0	889.7	888.1

Station information and sounding indices

Station identifier: KEY
Station number: 72201
Observation time: 150724/0000
Station latitude: 24.55
Station longitude: -81.79
Station elevation: 13.0
Showalter index: 3.84
Lifted index: -6.12
LIFT computed using virtual temperature: -7.17
SWEAT index: 117.39
K index: 31.70
Cross totals index: 14.90
Vertical totals index: 25.90
Totals totals index: 40.80
Convective Available Potential Energy: 3018.78
CAPE using virtual temperature: 3302.69
Convective Inhibition: -4.63
CINS using virtual temperature: -2.12
Equilibrium Level: 128.73
Equilibrium Level using virtual temperature: 128.72
Level of Free Convection: 907.32
LFCT using virtual temperature: 923.85
Bulk Richardson Number: 1491.49
Bulk Richardson Number using CAPV: 1631.76
Temp [K] of the Lifted Condensation Level: 296.48
Pres [hPa] of the Lifted Condensation Level: 937.01
Mean mixed layer potential temperature: 302.05
Mean mixed layer mixing ratio: 19.71
1000 hPa to 500 hPa thickness: 5790.00
Precipitable water [mm] for entire sounding: 53.70

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)
