

72201 KEY Key West Observations at 00Z 01 Feb 2017

PRES	HGHT	TEMP	DWPT	RELH	MIXR	DRCT	SKNT	THTA	THTE	THTV
hPa	m	C	C	%	g/kg	deg	knot	K	K	K
1021.0	13	18.8	11.8	64	8.58	35	5	290.2	314.7	291.7
1005.0	146	18.2	11.2	64	8.37	50	10	290.9	314.9	292.4
1000.0	188	18.0	11.0	64	8.30	55	12	291.1	315.0	292.6
991.0	265	17.4	10.4	63	8.05	62	14	291.3	314.4	292.7
986.4	305	17.2	11.0	67	8.40	65	15	291.5	315.6	293.0
969.0	457	16.6	13.1	80	9.86	80	15	292.4	320.6	294.1
951.7	610	15.4	12.8	84	9.84	95	14	292.7	320.9	294.4
942.0	697	14.8	12.6	87	9.82	102	13	292.9	321.1	294.6
925.0	851	13.8	11.7	87	9.42	115	10	293.4	320.6	295.1
918.1	914	13.5	11.1	86	9.12	125	10	293.7	320.1	295.3
896.0	1120	12.4	9.2	81	8.21	149	7	294.6	318.6	296.1
885.4	1219	11.6	8.5	81	7.91	160	6	294.9	318.0	296.3
874.0	1328	10.8	7.7	81	7.60	166	7	295.1	317.3	296.4
863.0	1434	10.2	5.7	74	6.70	173	9	295.5	315.3	296.7
850.0	1560	9.0	5.5	79	6.70	180	10	295.6	315.3	296.8
832.0	1737	7.6	5.8	88	7.00	150	5	295.9	316.5	297.1
830.0	1757	8.2	3.2	71	5.84	147	4	296.7	314.1	297.8
828.0	1777	10.2	-6.8	30	2.79	144	4	299.1	307.8	299.6
826.0	1797	11.4	-15.6	14	1.38	140	3	300.5	305.1	300.8
822.9	1829	11.8	-19.6	9	0.99	135	2	301.2	304.6	301.4
821.0	1848	12.0	-22.0	8	0.80	130	2	301.7	304.4	301.8
793.2	2134	9.7	-19.5	11	1.03	50	6	302.2	305.6	302.4
781.0	2263	8.6	-18.4	13	1.15	113	4	302.4	306.2	302.6
764.5	2438	7.9	-21.2	11	0.92	200	1	303.5	306.6	303.6
736.6	2743	6.7	-26.2	7	0.62	270	4	305.4	307.5	305.5
700.0	3161	5.0	-33.0	4	0.34	245	11	308.0	309.2	308.1
687.0	3314	4.6	-34.4	4	0.30	245	10	309.2	310.3	309.3
658.4	3658	2.1	-36.9	4	0.25	245	9	310.2	311.1	310.2
646.0	3812	1.0	-38.0	4	0.22	242	12	310.6	311.5	310.6
634.0	3962	0.2	-37.1	4	0.25	240	15	311.4	312.3	311.4
611.0	4258	-1.3	-35.3	6	0.31	255	20	312.9	314.1	313.0
610.3	4267	-1.3	-34.4	6	0.34	255	20	313.0	314.3	313.1
599.0	4416	-1.9	-19.9	24	1.32	261	22	314.0	318.6	314.3
572.0	4782	-4.5	-21.5	25	1.21	276	27	315.1	319.4	315.4
565.1	4877	-5.0	-21.0	27	1.27	280	28	315.6	320.1	315.9
539.0	5248	-7.1	-19.1	38	1.58	274	36	317.4	322.9	317.7
522.8	5486	-8.7	-24.4	27	1.02	270	42	318.3	321.9	318.5
517.0	5572	-9.3	-26.3	24	0.87	269	42	318.6	321.7	318.8
502.0	5799	-11.1	-24.1	33	1.09	265	40	319.1	323.0	319.3
500.0	5830	-11.3	-22.3	40	1.29	265	40	319.2	323.7	319.4
496.0	5891	-11.3	-20.3	47	1.54	264	39	319.9	325.3	320.2
491.0	5969	-11.5	-22.5	40	1.29	262	38	320.6	325.2	320.9
482.8	6096	-12.6	-23.7	39	1.18	260	37	320.8	325.0	321.1
445.2	6706	-17.8	-29.5	35	0.75	270	37	321.8	324.6	321.9
432.0	6933	-19.7	-31.7	34	0.63	270	47	322.1	324.5	322.3
419.0	7158	-20.9	-34.9	27	0.47	270	56	323.4	325.2	323.5

412.0	7282	-21.5	-33.5	33	0.55	270	62	324.2	326.3	324.3
410.2	7315	-21.4	-34.5	30	0.50	270	63	324.7	326.6	324.8
402.0	7463	-21.1	-39.1	18	0.32	270	61	327.0	328.3	327.1
400.0	7500	-21.3	-40.3	16	0.29	270	60	327.2	328.4	327.3
393.5	7620	-22.1	-45.1	10	0.17	270	59	327.7	328.4	327.7
392.0	7649	-22.3	-46.3	9	0.15	270	59	327.8	328.4	327.8
336.0	8760	-31.7	-47.7	19	0.15	274	64	329.7	330.4	329.8
318.1	9144	-34.8	-46.1	31	0.19	275	66	330.6	331.4	330.7
313.0	9257	-35.7	-45.7	35	0.21	275	67	330.9	331.7	330.9
300.0	9550	-38.3	-48.3	34	0.16	275	71	331.3	331.9	331.3
265.0	10385	-45.7	-52.7	45	0.11	278	76	332.4	332.9	332.4
251.0	10744	-47.3	-59.3	24	0.05	280	78	335.2	335.5	335.2
250.0	10770	-47.5	-59.5	24	0.05	280	78	335.3	335.5	335.3
234.0	11204	-49.9	-63.9	18	0.03	276	76	338.1	338.2	338.1
231.4	11278	-49.9	-64.6	16	0.03	275	76	339.2	339.4	339.2
224.0	11490	-49.7	-66.7	12	0.02	272	81	342.6	342.7	342.6
215.0	11757	-51.1	-67.1	13	0.02	267	88	344.5	344.6	344.5
212.0	11849	-51.1	-67.1	13	0.02	266	90	345.9	346.0	345.9
210.0	11910	-49.1	-68.1	9	0.02	265	91	349.9	350.0	349.9
207.0	12005	-48.7	-72.7	4	0.01	264	94	352.0	352.1	352.0
200.0	12230	-50.3	-78.3	2	0.00	260	99	352.9	353.0	353.0
197.0	12329	-51.3	-79.3	2	0.00	258	101	352.9	352.9	352.9
193.0	12462	-51.6	-80.8	2	0.00	255	104	354.4	354.4	354.4
192.0	12497	-51.7	-81.2	2	0.00	255	104	354.8	354.8	354.8
190.0	12564	-51.9	-81.9	2	0.00	255	103	355.6	355.6	355.6
183.0	12807	-53.7	-83.7	1	0.00	256	98	356.5	356.5	356.5
163.0	13548	-57.3	-87.3	1	0.00	259	84	362.4	362.4	362.4
158.7	13716	-58.6	-88.0	1	0.00	260	81	362.9	362.9	362.9
150.0	14070	-61.5	-89.5	1	0.00	250	80	363.9	363.9	363.9
149.0	14111	-62.1	-89.1	2	0.00	249	80	363.6	363.6	363.6
144.0	14321	-62.7	-88.7	2	0.00	245	79	366.1	366.1	366.1
143.9	14326	-62.7	-88.7	2	0.00	245	79	366.1	366.1	366.1
123.5	15240	-69.8	-90.9	3	0.00	260	74	369.6	369.7	369.6
112.0	15824	-74.3	-92.3	5	0.00	260	76	371.7	371.7	371.7
111.5	15850	-74.3	-92.3	5	0.00	260	76	372.1	372.1	372.1
105.0	16198	-74.7	-91.7	6	0.00	257	66	377.8	377.9	377.8
100.0	16480	-76.3	-92.3	7	0.00	255	57	380.1	380.1	380.1
95.2	16764	-77.2	-92.6	7	0.00	240	53	383.6	383.6	383.6
86.4	17316	-79.1	-93.1	9	0.00	250	57	390.6	390.6	390.6
85.5	17374	-78.9	-92.9	9	0.00	260	60	392.2	392.2	392.2
83.4	17518	-78.3	-92.3	9	0.00	260	60	396.3	396.3	396.3
78.6	17857	-76.9	-90.9	9	0.00	264	53	405.9	405.9	405.9
72.9	18288	-77.8	-91.8	9	0.00	270	45	412.9	412.9	412.9
70.7	18463	-78.1	-92.1	9	0.00	262	45	415.8	415.8	415.8
70.0	18520	-77.5	-91.5	9	0.00	260	45	418.3	418.3	418.3
65.6	18898	-75.6	-90.6	8	0.00	280	42	430.3	430.3	430.3
62.2	19202	-74.0	-89.9	7	0.00	290	28	440.2	440.2	440.2
61.5	19269	-73.7	-89.7	7	0.00	283	27	442.5	442.5	442.5
59.0	19507	-73.6	-90.0	7	0.00	260	23	447.8	447.8	447.8
56.0	19812	-73.5	-90.3	6	0.00	265	21	454.7	454.7	454.7
54.4	19986	-73.5	-90.5	6	0.00	259	20	458.7	458.7	458.7
53.2	20117	-70.9	-89.0	5	0.00	255	19	467.5	467.5	467.5
52.1	20242	-68.5	-87.5	5	0.00	253	18	476.0	476.1	476.0

50.6	20422	-66.9	-87.3	4	0.00	250	16	483.9	483.9	483.9
50.0	20490	-66.3	-87.3	4	0.00	250	15	486.8	486.9	486.8
46.7	20905	-65.9	-89.9	2	0.00	327	7	497.4	497.4	497.4
45.7	21031	-66.7	-90.7	2	0.00	350	4	498.4	498.4	498.4
43.5	21336	-68.7	-92.7	2	0.00	70	8	500.8	500.9	500.8
43.5	21333	-68.7	-92.7	2	0.00	69	8	500.7	500.7	500.7
41.3	21641	-65.7	-91.6	2	0.00	160	10	515.5	515.5	515.5
41.2	21662	-65.5	-91.5	2	0.00	160	10	516.5	516.5	516.5
39.8	21872	-66.7	-92.7	2	0.00	156	13	518.6	518.6	518.6
39.3	21946	-66.2	-92.5	1	0.00	155	14	521.6	521.6	521.6
37.4	22250	-64.4	-91.9	1	0.00	165	14	533.8	533.8	533.8
36.7	22366	-63.7	-91.7	1	0.00	167	16	538.5	538.5	538.5
35.6	22555	-63.6	-92.1	1	0.00	170	20	543.5	543.5	543.5
33.9	22860	-63.4	-92.8	1	0.00	195	11	551.7	551.7	551.7
32.6	23095	-63.3	-93.3	1	0.00	215	11	558.1	558.1	558.1
31.2	23367	-60.9	-91.9	1	0.00	239	11	571.6	571.6	571.6
30.0	23610	-62.1	-92.1	1	0.00	260	11	574.8	574.8	574.8
29.6	23693	-62.5	-92.5	1	0.00	220	6	575.9	575.9	575.9
29.2	23774	-62.1	-92.3	1	0.00	180	1	579.1	579.1	579.1
27.6	24126	-60.5	-91.5	1	0.00	206	3	593.1	593.1	593.1
26.5	24384	-61.1	-91.8	1	0.00	225	4	598.3	598.4	598.3
24.3	24915	-62.5	-92.5	1	0.00	266	10	609.3	609.3	609.3
22.8	25298	-61.9	-92.2	1	0.00	295	14	621.8	621.9	621.9
21.7	25603	-61.5	-92.0	1	0.00	275	11	632.0	632.1	632.0
20.7	25908	-61.0	-91.8	1	0.00	305	13	642.4	642.4	642.4
20.0	26120	-60.7	-91.7	1	0.00	310	11	649.6	649.7	649.6
19.7	26213	-60.7	-91.7	1	0.00	315	10	652.5	652.5	652.5
17.9	26822	-60.5	-91.5	1	0.01	345	14	671.5	671.6	671.5
17.8	26846	-60.5	-91.5	1	0.01	346	14	672.3	672.3	672.3
16.2	27432	-57.1	-89.0	1	0.01	10	7	701.3	701.4	701.3
14.4	28190	-52.7	-85.7	1	0.02	35	10	740.4	740.6	740.5
14.1	28346	-52.7	-85.7	1	0.02	40	11	745.7	745.9	745.7
13.4	28651	-52.6	-85.6	1	0.02	15	11	756.1	756.3	756.1
12.8	28956	-52.5	-85.5	1	0.02	10	13	766.8	767.1	766.8
12.8	28952	-52.5	-85.5	1	0.02	10	13	766.5	766.7	766.5
12.4	29158	-50.1	-84.1	1	0.03	360	10	781.9	782.2	781.9
11.7	29566	-48.0	-82.8	1	0.04	340	3	803.5	804.0	803.5
11.5	29653	-47.5	-82.5	1	0.04	328	6	808.2	808.7	808.2
10.6	30175	-46.7	-81.7	1	0.05	260	21	829.5	830.1	829.5
10.2	30480	-46.2	-81.2	1	0.05	260	17	842.1	842.8	842.2
10.0	30580	-46.1	-81.1	1	0.06	255	16	846.4	847.1	846.4
9.3	31090	-45.2	-80.2	1	0.07	240	25	868.6	869.5	868.6
9.2	31135	-45.1	-80.1	1	0.07			870.6	871.5	870.6

Station information and sounding indices

Station identifier: KEY
 Station number: 72201
 Observation time: 170201/0000
 Station latitude: 24.55
 Station longitude: -81.79
 Station elevation: 13.0
 Showalter index: 7.84

Lifted index: 7.22
LIFT computed using virtual temperature: 7.15
SWEAT index: 126.00
K index: -12.20
Cross totals index: 16.80
Vertical totals index: 20.30
Totals totals index: 37.10
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: 283.41
Pres [hPa] of the Lifted Condensation Level: 907.50
Mean mixed layer potential temperature: 291.39
Mean mixed layer mixing ratio: 8.74
1000 hPa to 500 hPa thickness: 5642.00
Precipitable water [mm] for entire sounding: 20.26

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)
