

72645 GRB Green Bay 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	106									
988.0	214	29.2	15.2	43	11.11	240	3	303.4	336.7	305.4
985.0	241	28.2	14.2	42	10.43	244	3	302.6	333.9	304.6
951.0	550	25.4	12.4	44	9.60	287	4	302.9	331.7	304.6
944.5	610	24.9	12.3	46	9.63	295	4	302.9	331.8	304.7
925.0	792	23.2	12.2	50	9.74	330	5	303.0	332.3	304.8
912.0	914	22.1	11.4	51	9.38	340	6	303.1	331.3	304.8
880.4	1219	19.3	9.5	53	8.54	345	9	303.3	329.1	304.9
850.0	1522	16.6	7.6	55	7.76	345	13	303.5	327.0	304.9
845.0	1572	16.2	8.2	59	8.14	346	13	303.6	328.2	305.1
819.8	1829	14.4	4.0	50	6.25	350	15	304.4	323.5	305.5
814.0	1889	14.0	3.0	47	5.87	349	15	304.5	322.6	305.6
790.6	2134	13.0	-4.8	29	3.40	345	15	306.0	316.9	306.7
790.0	2141	13.0	-5.0	28	3.35	345	15	306.1	316.8	306.7
762.4	2438	11.3	-7.4	26	2.88	350	13	307.4	316.7	307.9
754.0	2531	10.8	-8.2	26	2.75	347	12	307.8	316.7	308.3
734.9	2743	8.8	-9.4	26	2.56	340	10	307.9	316.2	308.4
729.0	2810	8.2	-9.8	27	2.50	337	11	307.9	316.1	308.4
700.0	3144	6.8	-11.2	26	2.33	320	15	310.0	317.7	310.4
658.0	3650	4.4	-21.6	13	1.04	320	17	312.8	316.4	313.0
657.4	3658	4.4	-21.7	13	1.03	320	17	312.9	316.5	313.1
634.0	3953	5.0	-25.0	9	0.80	313	18	316.8	319.7	317.0
612.0	4239	2.6	-19.4	18	1.35	306	20	317.3	322.0	317.5
609.9	4267	2.4	-19.6	18	1.33	305	20	317.3	322.0	317.6
578.0	4698	-1.3	-23.3	17	1.02	291	20	317.9	321.6	318.1
565.1	4877	-2.5	-25.4	15	0.86	285	20	318.6	321.7	318.8
552.0	5064	-3.7	-27.7	14	0.72	287	20	319.3	321.9	319.4
545.0	5164	-3.5	-42.5	3	0.17	288	21	320.7	321.4	320.7
537.0	5281	-4.5	-31.5	10	0.51	289	21	320.9	322.8	321.0
527.0	5429	-4.9	-34.9	7	0.38	291	21	322.1	323.6	322.2
500.0	5840	-8.1	-45.1	3	0.14	295	22	323.1	323.7	323.1
483.7	6096	-9.8	-43.5	4	0.17	285	26	324.1	324.8	324.1
475.0	6236	-10.7	-42.7	5	0.19	285	27	324.6	325.4	324.7
453.0	6598	-13.9	-34.9	15	0.44	283	30	325.1	326.8	325.2
437.0	6870	-16.1	-43.1	8	0.20	282	32	325.6	326.4	325.7
402.0	7493	-19.7	-49.7	5	0.10	280	37	328.8	329.3	328.9
400.0	7530	-20.1	-45.1	9	0.17	280	37	328.8	329.5	328.8
398.0	7567	-20.5	-40.5	15	0.28	280	37	328.7	329.9	328.8
395.2	7620	-20.8	-33.7	30	0.57	280	37	329.0	331.2	329.1
394.0	7642	-20.9	-30.9	40	0.74	280	37	329.2	332.0	329.3
392.0	7679	-21.3	-30.3	44	0.79	280	37	329.1	332.1	329.3
365.0	8202	-24.5	-35.5	35	0.51	280	38	331.6	333.6	331.7
361.0	8282	-24.9	-37.9	29	0.41	280	38	332.1	333.7	332.2
334.1	8839	-28.6	-42.5	25	0.27	280	39	334.5	335.6	334.6
332.0	8885	-28.9	-42.9	25	0.26	281	41	334.7	335.8	334.8
320.0	9144	-31.1	-43.0	30	0.27	285	52	335.1	336.2	335.2
300.0	9600	-35.1	-43.1	44	0.28	290	60	335.8	336.9	335.8
279.0	10103	-39.7	-44.7	59	0.26	287	74	336.2	337.2	336.2
277.0	10152	-39.5	-45.5	53	0.24	286	75	337.2	338.2	337.2
273.0	10252	-39.5	-51.5	27	0.12	286	78	338.6	339.1	338.6
270.0	10328	-40.1	-60.1	10	0.04	285	80	338.8	339.0	338.8
268.6	10363	-40.5	-64.2	6	0.03	285	81	338.8	338.9	338.8
266.0	10430	-41.1	-72.1	2	0.01	285	81	338.8	338.8	338.8

250.0	10850	-44.1	-73.1	3	0.01	285	83	340.4	340.4	340.4
238.0	11175	-46.1	-73.8	3	0.01	285	88	342.1	342.2	342.1
234.3	11278	-46.8	-74.0	3	0.01	285	88	342.7	342.7	342.7
209.0	12034	-51.5	-75.5	4	0.01	289	87	346.7	346.7	346.7
200.0	12320	-52.5	-77.5	3	0.00	290	87	349.5	349.5	349.5
191.0	12616	-54.1	-79.1	3	0.00	290	86	351.5	351.6	351.5
183.0	12890	-54.7	-79.7	3	0.00	290	86	354.9	354.9	354.9
176.9	13106	-56.4	-81.4	3	0.00	290	85	355.6	355.6	355.6
175.0	13174	-56.9	-81.9	3	0.00	289	84	355.8	355.8	355.8
163.0	13620	-58.9	-83.9	3	0.00	285	75	359.8	359.8	359.8
159.0	13776	-58.9	-85.9	2	0.00	284	72	362.3	362.3	362.3
156.0	13895	-59.7	-86.7	2	0.00	282	70	362.9	362.9	362.9
152.0	14057	-59.3	-86.3	2	0.00	281	67	366.3	366.3	366.3
150.0	14140	-60.1	-87.1	2	0.00	280	65	366.3	366.4	366.3
143.0	14436	-62.9	-85.9	3	0.00	280	64	366.5	366.5	366.5
139.0	14611	-63.1	-85.1	4	0.00	280	63	369.1	369.1	369.1
138.6	14630	-62.8	-85.3	3	0.00	280	63	369.9	369.9	369.9
138.0	14655	-62.5	-85.5	3	0.00	281	62	370.9	371.0	370.9
136.0	14745	-63.1	-86.1	3	0.00	283	60	371.4	371.4	371.4
134.0	14837	-59.9	-83.9	3	0.00	285	57	378.7	378.7	378.7
129.0	15075	-59.3	-85.3	2	0.00	291	51	383.9	383.9	383.9
125.6	15240	-60.3	-86.6	2	0.00	295	46	385.1	385.1	385.1
119.0	15577	-62.3	-89.3	2	0.00	303	35	387.4	387.4	387.4
117.0	15681	-62.3	-89.3	2	0.00	306	32	389.2	389.2	389.2
116.0	15734	-61.1	-89.1	1	0.00	307	30	392.4	392.4	392.4
113.9	15850	-61.1	-89.6	1	0.00	310	26	394.5	394.5	394.5
112.0	15952	-61.1	-90.1	1	0.00	305	25	396.4	396.4	396.4
107.0	16235	-63.3	-91.3	1	0.00	291	22	397.4	397.4	397.4
105.0	16351	-62.9	-90.9	1	0.00	285	20	400.3	400.3	400.3
103.2	16459	-63.4	-91.4	1	0.00	280	19	401.4	401.4	401.4
100.0	16650	-64.3	-92.3	1	0.00	295	20	403.2	403.2	403.2
95.5	16932	-62.3	-91.3	1	0.00	296	17	412.5	412.5	412.5
87.6	17464	-61.9	-91.9	1	0.00	298	11	423.6	423.6	423.6
84.0	17725	-57.9	-89.9	1	0.00	298	9	436.8	436.8	436.8
78.5	18152	-57.1	-89.1	1	0.00	300	4	447.0	447.0	447.0
76.8	18288	-57.6	-89.4	1	0.00	300	3	448.6	448.7	448.7
71.3	18755	-59.5	-90.5	1	0.00	320	6	454.4	454.4	454.4
70.0	18870	-58.5	-89.5	1	0.00	325	7	458.9	458.9	458.9
54.8	20422	-56.1	-88.0	1	0.00	50	13	497.8	497.8	497.8
53.7	20545	-55.9	-87.9	1	0.00	51	12	501.0	501.0	501.0
50.0	21000	-54.3	-87.3	1	0.00	55	7	515.1	515.1	515.1
49.0	21130	-53.1	-86.1	1	0.00	67	7	520.9	520.9	520.9
47.5	21336	-53.2	-86.2	1	0.01	85	8	525.5	525.6	525.5
45.3	21641	-53.2	-86.2	1	0.01	65	2	532.5	532.5	532.5
43.2	21946	-53.3	-86.3	1	0.01	75	11	539.5	539.6	539.5
39.5	22518	-53.5	-86.5	1	0.01	89	11	553.0	553.0	553.0
39.3	22555	-53.4	-86.4	1	0.01	90	11	554.2	554.2	554.2
37.5	22860	-52.4	-85.7	1	0.01	65	19	564.1	564.2	564.1
32.2	23846	-49.3	-83.3	1	0.01	79	17	597.4	597.5	597.4
30.0	24310	-49.7	-83.7	1	0.01	85	16	608.5	608.6	608.5
29.7	24384	-49.8	-83.8	1	0.01	85	18	610.1	610.3	610.2
28.0	24760	-50.5	-84.5	1	0.01	83	18	618.4	618.5	618.4
24.1	25742	-48.5	-82.5	1	0.02	79	19	651.3	651.5	651.3
22.8	26109	-46.3	-81.3	1	0.02	77	20	668.2	668.4	668.2
21.4	26518	-46.0	-81.0	1	0.03	75	20	681.1	681.4	681.1
20.5	26816	-45.7	-80.7	1	0.03			690.6	690.9	690.6

Station information and sounding indices

Station identifier: GRB

Station number: 72645
Observation time: 150726/0000
Station latitude: 44.50
Station longitude: -88.11
Station elevation: 214.0
Showalter index: 4.68
Lifted index: 2.01
LIFT computed using virtual temperature: 1.47
SWEAT index: 139.20
K index: 14.30
Cross totals index: 15.70
Vertical totals index: 24.70
Totals totals index: 40.40
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: 283.28
Pres [hPa] of the Lifted Condensation Level: 791.81
Mean mixed layer potential temperature: 302.83
Mean mixed layer mixing ratio: 9.94
1000 hPa to 500 hPa thickness: 5734.00
Precipitable water [mm] for entire sounding: 22.02

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)
