

72426 ILN Wilmington Observations at 00Z 25 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	130									
978.0	317	27.2	16.2	51	11.98	145	5	302.3	338.0	304.4
975.0	345	26.6	15.6	51	11.56	143	5	301.9	336.3	304.0
950.0	577	24.4	12.4	47	9.61	123	5	301.9	330.7	303.7
946.4	610	24.1	12.4	48	9.62	120	5	301.9	330.7	303.7
925.0	813	22.2	12.2	53	9.74	45	1	302.0	331.1	303.8
914.2	914	21.2	11.9	55	9.64	0	0	302.0	330.9	303.8
882.5	1219	18.4	10.9	62	9.34	40	4	302.1	330.1	303.8
874.0	1302	17.6	10.6	64	9.26	37	5	302.2	329.9	303.8
850.0	1540	16.4	7.4	55	7.65	30	8	303.3	326.5	304.7
840.0	1641	16.0	6.0	51	7.03	39	8	303.9	325.3	305.2
821.4	1829	14.5	4.5	51	6.48	55	9	304.3	324.2	305.5
792.2	2134	12.2	2.2	50	5.67	60	5	304.9	322.5	306.0
776.0	2308	10.8	0.8	50	5.25	6	4	305.3	321.6	306.3
764.0	2438	11.1	-3.4	36	3.91	325	3	307.0	319.4	307.7
760.0	2482	11.2	-4.8	32	3.54	326	3	307.5	318.9	308.2
741.0	2692	10.0	-6.0	32	3.31	329	5	308.5	319.1	309.1
736.5	2743	10.3	-9.5	24	2.54	330	5	309.4	317.7	309.8
721.0	2920	11.4	-21.6	8	0.95	318	9	312.4	315.8	312.6
710.0	3048	11.1	-23.9	7	0.78	310	12	313.5	316.3	313.6
705.0	3107	11.0	-25.0	6	0.72	310	12	314.0	316.6	314.1
700.0	3166	10.6	-23.4	7	0.83	310	12	314.2	317.2	314.4
684.4	3353	9.6	-24.9	7	0.75	305	12	315.1	317.8	315.3
671.0	3517	8.8	-26.2	6	0.68	321	13	316.0	318.4	316.1
659.6	3658	7.5	-22.0	10	1.00	335	13	316.1	319.7	316.3
644.0	3855	5.8	-16.2	19	1.69	325	17	316.3	322.1	316.6
635.6	3962	5.0	-17.5	18	1.53	320	19	316.6	321.9	316.9
613.0	4257	2.8	-21.2	15	1.16	320	18	317.4	321.4	317.6
612.2	4267	2.8	-22.4	14	1.05	320	18	317.5	321.2	317.7
601.0	4417	3.2	-38.8	3	0.22	320	18	319.6	320.5	319.7
567.6	4877	1.4	-43.9	2	0.14	320	17	322.8	323.4	322.8
546.5	5182	0.3	-47.3	1	0.10	325	23	324.9	325.4	325.0
533.0	5383	-0.5	-49.5	1	0.08	332	19	326.4	326.7	326.4
526.1	5486	-1.4	-47.7	1	0.10	335	17	326.5	326.9	326.6
500.0	5890	-4.7	-40.7	4	0.22	315	18	327.2	328.1	327.3
487.0	6096	-6.3	-45.3	3	0.14	310	16	327.8	328.3	327.8
487.0	6096	-6.3	-45.3	3	0.14	310	16	327.8	328.3	327.8
468.1	6401	-8.0	-49.3	2	0.09	310	14	329.4	329.7	329.4
449.9	6706	-9.7	-53.2	1	0.06	295	15	330.9	331.2	330.9
438.0	6914	-10.9	-55.9	1	0.04	298	16	332.0	332.2	332.0
432.4	7010	-11.7	-55.4	1	0.05	300	16	332.2	332.4	332.2
400.0	7600	-16.5	-52.5	3	0.07	275	20	333.5	333.8	333.5
398.9	7620	-16.7	-52.7	3	0.07	275	20	333.5	333.8	333.5
338.2	8839	-26.7	-65.6	1	0.02	280	18	336.0	336.1	336.0
338.0	8844	-26.7	-65.7	1	0.02	280	18	336.0	336.1	336.0
324.2	9144	-28.6	-63.5	2	0.02	300	21	337.4	337.5	337.4
318.0	9284	-29.5	-62.5	3	0.03	310	21	338.0	338.1	338.0
301.0	9676	-30.1	-57.1	5	0.06	338	22	342.5	342.8	342.5
300.0	9700	-30.3	-55.3	7	0.07	340	22	342.6	342.9	342.6
297.7	9754	-30.6	-50.6	12	0.12	350	24	342.9	343.5	342.9
295.0	9819	-30.9	-44.9	24	0.24	350	23	343.4	344.4	343.4
281.0	10162	-32.9	-48.9	19	0.16	352	20	345.3	346.0	345.3
261.2	10668	-37.1	-53.1	17	0.11	355	16	346.4	346.9	346.4

255.0	10835	-38.5	-54.5	17	0.09	347	19	346.7	347.1	346.7
250.0	10970	-39.7	-53.7	21	0.10	340	22	346.9	347.4	346.9
212.0	12072	-49.5	-55.5	49	0.10	333	48	348.4	348.8	348.4
200.0	12450	-52.7	-58.7	48	0.07	330	57	349.1	349.5	349.2
197.0	12547	-53.5	-59.5	48	0.06	329	60	349.4	349.7	349.4
192.0	12712	-54.3	-60.3	47	0.06	326	66	350.7	351.0	350.7
190.0	12780	-54.4	-61.2	43	0.05	325	68	351.6	351.9	351.6
189.3	12802	-54.4	-61.5	41	0.05	325	68	351.9	352.2	351.9
187.0	12881	-54.5	-62.5	37	0.05	325	66	353.0	353.2	353.0
170.0	13484	-59.7	-71.7	19	0.01	328	47	354.1	354.2	354.1
164.0	13709	-59.9	-73.9	14	0.01	329	40	357.4	357.5	357.5
157.0	13980	-62.3	-79.3	9	0.00	330	31	357.9	357.9	357.9
155.9	14021	-62.6	-79.2	9	0.00	330	30	358.1	358.1	358.1
150.0	14260	-64.3	-78.3	13	0.01	325	33	359.1	359.1	359.1
147.0	14383	-65.1	-77.1	18	0.01	325	36	359.8	359.9	359.8
143.0	14552	-64.1	-75.1	21	0.01	324	38	364.4	364.5	364.4
135.0	14904	-64.3	-77.3	15	0.01	322	42	370.1	370.1	370.1
130.0	15134	-65.9	-77.9	17	0.01	321	45	371.2	371.3	371.2
127.8	15240	-66.0	-78.0	17	0.01	320	46	373.0	373.0	373.0
122.0	15520	-66.1	-78.1	17	0.01	320	48	377.7	377.7	377.7
121.5	15545	-66.3	-78.2	17	0.01	320	48	377.8	377.8	377.8
118.0	15721	-67.5	-78.5	20	0.01	322	44	378.7	378.8	378.7
117.0	15773	-66.5	-78.5	17	0.01	322	42	381.5	381.5	381.5
116.0	15825	-66.3	-78.3	17	0.01	322	41	382.8	382.8	382.8
111.0	16090	-68.1	-81.1	14	0.01	325	35	384.3	384.3	384.3
109.0	16200	-67.3	-81.3	12	0.00	326	32	387.8	387.8	387.8
107.0	16311	-67.9	-80.9	14	0.01	327	29	388.7	388.7	388.7
100.0	16720	-65.9	-81.9	9	0.00	330	19	400.1	400.2	400.1
92.9	17166	-66.9	-83.9	7	0.00	330	19	406.7	406.7	406.7
83.6	17807	-64.5	-85.5	4	0.00	330	20	424.0	424.0	424.0
77.2	18288	-65.4	-87.1	4	0.00	330	20	431.8	431.8	431.8
74.1	18541	-65.9	-87.9	3	0.00	355	24	435.9	435.9	435.9
73.5	18593	-65.3	-87.8	3	0.00	0	25	438.2	438.2	438.2
70.0	18890	-61.9	-86.9	2	0.00	25	16	451.6	451.6	451.6
69.9	18898	-61.8	-86.9	2	0.00	30	14	452.0	452.0	452.0
67.7	19098	-59.5	-86.5	2	0.00	41	12	461.1	461.1	461.1
64.8	19373	-58.7	-87.7	1	0.00	56	9	468.7	468.7	468.7
60.4	19812	-60.2	-89.2	1	0.00	80	4	474.8	474.8	474.8
60.2	19834	-60.3	-89.3	1	0.00	79	4	475.1	475.1	475.1
53.5	20578	-55.7	-87.7	1	0.00	51	11	502.0	502.0	502.0
52.3	20726	-55.6	-87.6	1	0.00	45	12	505.6	505.7	505.6
50.0	21010	-55.3	-87.3	1	0.00	75	15	512.7	512.8	512.7
47.5	21336	-56.0	-88.0	1	0.00	115	19	518.5	518.6	518.5
45.3	21641	-56.7	-88.7	1	0.00	135	21	524.1	524.2	524.1
45.3	21638	-56.7	-88.7	1	0.00	135	21	524.0	524.0	524.0
43.2	21940	-54.7	-86.7	1	0.01	101	16	536.1	536.1	536.1
41.2	22250	-54.7	-86.7	1	0.01	65	10	543.5	543.6	543.5
37.1	22913	-54.7	-86.7	1	0.01	51	12	559.9	559.9	559.9
35.7	23159	-55.9	-87.9	1	0.00	46	12	563.0	563.0	563.0
34.0	23470	-55.4	-87.7	1	0.01	40	13	572.2	572.3	572.2
30.9	24079	-54.4	-87.2	1	0.01	75	21	590.7	590.8	590.7
30.1	24249	-54.1	-87.1	1	0.01	71	16	596.0	596.0	596.0
30.0	24270	-54.1	-87.1	1	0.01	70	15	596.6	596.6	596.6
29.5	24384	-54.3	-87.0	1	0.01	65	18	599.0	599.1	599.0
28.1	24689	-54.9	-86.9	1	0.01	85	22	605.6	605.7	605.6
28.1	24688	-54.9	-86.9	1	0.01	85	22	605.6	605.7	605.6
26.8	24994	-53.6	-86.0	1	0.01	65	21	617.6	617.7	617.6
24.9	25466	-51.5	-84.5	1	0.01	69	29	636.6	636.8	636.6
24.4	25603	-51.4	-84.5	1	0.01	70	31	640.9	641.0	640.9
20.0	26890	-50.1	-84.1	1	0.02	85	32	682.1	682.2	682.1
19.5	27055	-49.9	-83.9	1	0.02	85	31	687.6	687.8	687.6

18.4	27432	-47.7	-82.2	1	0.03	85	29	706.0	706.2	706.0
17.7	27694	-46.1	-81.1	1	0.03	88	29	719.0	719.3	719.0
16.1	28346	-44.7	-80.7	1	0.04	95	28	743.8	744.2	743.8
16.0	28367	-44.7	-80.7	1	0.04			744.6	745.0	744.6

Station information and sounding indices

Station identifier: ILN
Station number: 72426
Observation time: 150725/0000
Station latitude: 39.41
Station longitude: -83.81
Station elevation: 317.0
Showalter index: 8.35
Lifted index: 5.52
LIFT computed using virtual temperature: 5.00
SWEAT index: 122.81
K index: -5.50
Cross totals index: 12.10
Vertical totals index: 21.10
Totals totals index: 33.20
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: 283.92
Pres [hPa] of the Lifted Condensation Level: 806.16
Mean mixed layer potential temperature: 301.96
Mean mixed layer mixing ratio: 10.22
1000 hPa to 500 hPa thickness: 5760.00
Precipitable water [mm] for entire sounding: 20.72

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)
