

72469 DNR Denver 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	39									
925.0	742									
850.0	1493									
839.0	1625	32.0	6.0	20	7.03	100	9	320.9	343.8	322.2
826.0	1763	29.4	4.4	20	6.39	103	12	319.5	340.4	320.8
819.8	1829	28.7	4.2	21	6.34	105	14	319.5	340.1	320.7
814.0	1891	28.0	4.0	22	6.30	106	14	319.4	339.9	320.6
791.2	2134	25.6	3.1	23	6.10	110	12	319.4	339.4	320.6
763.6	2438	22.7	2.0	26	5.85	110	11	319.5	338.6	320.6
736.9	2743	19.7	1.0	29	5.60	95	11	319.5	337.9	320.6
700.0	3183	15.4	-0.6	33	5.26	105	7	319.5	336.8	320.5
673.0	3514	12.2	-1.8	38	5.01	57	6	319.5	336.0	320.5
661.4	3658	10.9	-2.1	40	4.99	35	5	319.6	336.1	320.6
614.1	4267	5.3	-3.3	54	4.91	285	3	320.1	336.2	321.0
588.0	4625	2.0	-4.0	64	4.86	279	8	320.2	336.3	321.2
569.7	4877	0.0	-5.2	68	4.58	275	12	320.8	336.0	321.7
548.4	5182	-2.4	-6.7	73	4.25	290	22	321.4	335.6	322.3
534.0	5394	-4.1	-7.7	76	4.03	280	25	321.9	335.4	322.6
526.0	5513	-4.7	-10.7	63	3.23	274	27	322.5	333.5	323.2
514.0	5694	-5.9	-11.9	63	3.01	265	30	323.2	333.5	323.8
510.0	5755	-6.1	-15.1	49	2.33	262	31	323.7	331.8	324.2
507.7	5791	-6.4	-15.2	50	2.33	260	32	323.8	331.9	324.2
500.0	5910	-7.3	-15.3	53	2.34	260	33	324.1	332.2	324.5
494.0	6004	-8.1	-15.1	57	2.41	260	32	324.2	332.6	324.7
488.2	6096	-8.7	-18.1	47	1.90	260	32	324.6	331.3	325.0
482.0	6195	-9.3	-21.3	37	1.46	262	34	325.0	330.2	325.3
478.0	6259	-9.9	-20.9	40	1.52	263	36	325.1	330.5	325.4
477.0	6275	-9.9	-20.9	40	1.52	263	36	325.2	330.7	325.6
474.0	6324	-9.3	-30.3	16	0.65	264	37	326.6	329.1	326.7
473.0	6340	-8.9	-35.9	9	0.38	264	38	327.3	328.8	327.4
469.3	6401	-9.1	-39.0	7	0.28	265	39	327.8	328.9	327.8
459.0	6572	-9.7	-47.7	3	0.11	264	40	329.1	329.6	329.1
400.0	7620	-16.3	-57.3	2	0.04	255	43	333.7	333.9	333.7
362.0	8364	-21.5	-56.5	3	0.05	253	43	336.4	336.6	336.4
330.0	9043	-24.7	-57.7	3	0.05	250	42	341.0	341.3	341.1
325.4	9144	-25.5	-57.8	3	0.05	250	42	341.3	341.5	341.3
300.0	9730	-30.1	-58.1	5	0.05	245	46	342.8	343.1	342.9
295.0	9850	-30.9	-58.9	5	0.05	244	46	343.4	343.6	343.4
262.3	10668	-38.7	-57.6	12	0.06	240	48	343.7	343.9	343.7
256.0	10838	-40.3	-57.3	14	0.06	240	49	343.7	344.0	343.7
250.0	11000	-41.7	-57.7	16	0.06	240	49	343.9	344.2	343.9
227.0	11644	-46.9	-63.9	13	0.03	244	51	345.6	345.8	345.6
222.0	11791	-47.1	-70.1	5	0.01	245	52	347.5	347.6	347.5
200.0	12470	-52.5	-68.5	13	0.02	250	54	349.5	349.6	349.5
199.2	12497	-52.7	-68.6	13	0.02	250	54	349.6	349.7	349.6
185.0	12970	-56.1	-71.1	14	0.01	246	52	351.5	351.6	351.5
180.0	13144	-56.5	-72.5	12	0.01	245	51	353.6	353.7	353.6
162.0	13806	-61.3	-81.3	5	0.00	239	48	356.4	356.4	356.4
150.0	14280	-64.5	-81.5	8	0.00	235	46	358.8	358.8	358.8
148.9	14326	-64.8	-81.7	8	0.00	235	46	359.0	359.0	359.0
139.0	14741	-67.9	-83.9	9	0.00	242	39	360.7	360.7	360.7
134.6	14935	-68.9	-84.5	9	0.00	245	35	362.2	362.2	362.2
128.0	15232	-70.5	-85.5	9	0.00	226	39	364.6	364.6	364.6

127.8	15240	-70.5	-85.5	9	0.00	225	39	364.6	364.7	364.6
121.4	15545	-72.8	-85.9	12	0.00	240	48	366.0	366.1	366.0
121.0	15564	-72.9	-85.9	12	0.00	235	47	366.1	366.1	366.1
108.0	16231	-72.1	-85.1	13	0.00	247	27	379.7	379.7	379.7
105.0	16398	-67.9	-82.9	10	0.00	250	22	390.8	390.8	390.8
100.0	16690	-68.9	-82.9	12	0.00	255	14	394.4	394.4	394.4
92.4	17162	-70.7	-84.7	11	0.00	252	14	399.8	399.8	399.8
90.3	17299	-68.9	-83.9	10	0.00	251	14	406.0	406.0	406.0
88.8	17401	-64.3	-82.3	7	0.01	250	14	417.1	417.2	417.1
81.9	17895	-65.9	-86.9	4	0.00	247	13	423.6	423.6	423.6
76.8	18288	-61.9	-86.8	2	0.00	245	13	439.8	439.9	439.8
74.3	18497	-59.7	-86.7	2	0.00	234	10	448.6	448.6	448.6
70.0	18870	-59.9	-88.9	1	0.00	215	5	455.9	455.9	455.9
68.9	18969	-60.5	-88.5	1	0.00	167	4	456.7	456.7	456.7
66.4	19202	-58.5	-87.9	1	0.00	55	3	465.8	465.8	465.8
63.7	19463	-56.3	-87.3	1	0.00	46	10	476.2	476.3	476.2
63.3	19507	-56.3	-87.3	1	0.00	45	11	477.1	477.2	477.1
60.3	19812	-56.5	-87.5	1	0.00	65	18	483.3	483.4	483.3
57.5	20117	-56.7	-87.7	1	0.00	80	15	489.6	489.6	489.6
54.8	20422	-56.9	-87.9	1	0.00	120	11	495.9	496.0	495.9
51.6	20800	-57.1	-88.1	1	0.00	143	8	503.9	503.9	503.9
50.0	21000	-56.5	-87.5	1	0.00	155	7	509.9	509.9	509.9
47.4	21336	-55.7	-87.1	1	0.00	70	7	519.6	519.7	519.6
43.1	21946	-54.1	-86.3	1	0.01	60	4	537.8	537.8	537.8
39.2	22555	-52.6	-85.6	1	0.01	50	19	556.4	556.5	556.5
38.9	22602	-52.5	-85.5	1	0.01	54	21	557.9	558.0	557.9
37.4	22860	-53.0	-85.7	1	0.01	75	29	563.1	563.2	563.1
33.4	23580	-54.3	-86.3	1	0.01	90	26	578.0	578.1	578.0
30.0	24270	-51.9	-84.9	1	0.01	105	23	602.5	602.6	602.5
29.5	24384	-51.5	-84.7	1	0.01	100	24	606.8	606.9	606.8
25.7	25283	-47.9	-82.9	1	0.02	95	23	641.2	641.3	641.2
24.1	25707	-48.9	-82.9	1	0.02	92	22	650.1	650.3	650.2
22.6	26131	-46.7	-81.7	1	0.02	90	21	668.7	668.9	668.7
20.6	26745	-48.1	-82.1	1	0.02	86	20	682.4	682.6	682.4
20.0	26940	-47.5	-82.5	1	0.02	85	20	690.0	690.2	690.0
18.6	27432	-46.7	-81.7	1	0.03	95	25	707.2	707.5	707.2
17.8	27711	-46.3	-81.3	1	0.03	93	25	717.2	717.5	717.2
15.9	28468	-42.1	-78.1	1	0.06	88	26	754.4	755.0	754.4
13.0	29826	-43.1	-79.1	1	0.06	79	28	795.6	796.3	795.6
11.8	30481	-40.5	-77.5	1	0.08	75	29	827.2	828.2	827.2
11.8	30480	-40.5	-77.5	1	0.08	75	29	827.1	828.1	827.1
10.0	31610	-39.7	-76.7	1	0.11	95	34	870.2	871.6	870.3
8.8	32492	-35.1	-74.1	1	0.19	82	28	920.4	922.9	920.5
8.7	32614	-35.3	-73.8	1	0.20	80	27	924.2	926.9	924.3
8.5	32734	-35.5	-73.5	1	0.22			928.0	930.8	928.1

Station information and sounding indices

Station identifier: DNR
 Station number: 72469
 Observation time: 150726/0000
 Station latitude: 39.77
 Station longitude: -104.87
 Station elevation: 1625.0
 Lifted index: -0.58

LIFT computed using virtual temperature: -0.96
 Convective Available Potential Energy: 23.13
 CAPE using virtual temperature: 47.58
 Convective Inhibition: -22.42
 CINS using virtual temperature: -10.07

Equilibrium Level: 473.96
Equilibrium Level using virtual temperature: 470.81
Level of Free Convection: 543.62
LFCT using virtual temperature: 551.03
Bulk Richardson Number: 0.38
Bulk Richardson Number using CAPV: 0.78
Temp [K] of the Lifted Condensation Level: 272.33
Pres [hPa] of the Lifted Condensation Level: 570.89
Mean mixed layer potential temperature: 319.64
Mean mixed layer mixing ratio: 6.38
1000 hPa to 500 hPa thickness: 5871.00
Precipitable water [mm] for entire sounding: 18.24

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)
