

72261 DRT Del Rio 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	68									
973.0	313	37.0	21.0	40	16.38	135	12	312.6	363.4	315.6
962.0	417	34.2	19.2	41	14.78	133	13	310.8	356.3	313.5
941.7	610	32.5	19.1	45	15.00	130	16	310.9	357.1	313.7
925.0	772	31.0	19.0	49	15.19	125	16	311.0	357.8	313.8
910.3	914	29.6	18.4	51	14.85	125	16	311.0	356.8	313.8
879.5	1219	26.7	17.1	56	14.14	135	15	311.1	354.7	313.7
850.0	1522	23.8	15.8	61	13.46	135	13	311.1	352.6	313.6
820.4	1829	21.0	14.8	68	13.07	140	15	311.3	351.6	313.7
792.1	2134	18.2	13.8	76	12.69	115	9	311.4	350.6	313.8
786.0	2201	17.6	13.6	77	12.61	91	8	311.5	350.4	313.8
782.0	2244	17.4	13.2	76	12.34	75	7	311.7	349.9	314.0
771.0	2366	18.0	8.0	52	8.80	31	4	313.6	341.3	315.3
764.5	2438	18.9	1.7	32	5.69	5	3	315.3	333.6	316.4
762.0	2467	19.2	-0.8	26	4.76	353	3	316.0	331.5	316.9
748.0	2626	19.0	-1.0	26	4.78	288	2	317.4	333.1	318.3
737.8	2743	18.0	-1.5	26	4.65	240	2	317.6	332.9	318.5
700.0	3190	14.4	-3.6	29	4.21	225	5	318.4	332.3	319.2
662.0	3658	10.3	-5.9	31	3.74	175	6	319.0	331.4	319.7
657.0	3722	9.8	-6.2	32	3.68	168	6	319.0	331.3	319.7
614.9	4267	6.2	-14.1	22	2.10	110	2	321.0	328.3	321.4
590.0	4606	4.0	-19.0	17	1.45	127	2	322.2	327.4	322.5
570.6	4877	1.9	-18.5	20	1.57	140	2	322.9	328.4	323.1
561.0	5014	0.8	-18.2	23	1.63	133	3	323.1	328.9	323.5
542.0	5290	-0.7	-24.7	14	0.96	120	6	324.6	328.1	324.7
508.9	5791	-4.2	-18.1	33	1.82	95	12	326.2	332.7	326.6
506.0	5836	-4.5	-17.5	36	1.92	97	13	326.4	333.2	326.8
500.0	5930	-4.5	-22.5	23	1.26	100	14	327.5	332.1	327.7
499.0	5946	-4.5	-22.5	23	1.27	101	14	327.7	332.3	327.9
489.5	6096	-5.4	-23.4	23	1.19	110	18	328.4	332.8	328.6
472.0	6380	-7.1	-25.1	22	1.06	119	21	329.7	333.6	329.9
470.8	6401	-7.1	-27.3	18	0.87	120	21	329.9	333.2	330.1
465.0	6497	-7.3	-37.3	7	0.34	118	21	330.9	332.2	330.9
417.9	7315	-12.4	-46.7	4	0.14	105	19	334.6	335.1	334.6
401.6	7620	-14.3	-50.2	3	0.10	125	19	335.9	336.3	335.9
400.0	7650	-14.5	-50.5	3	0.09	125	21	336.1	336.5	336.1
396.0	7726	-14.9	-46.9	5	0.14	122	21	336.5	337.1	336.5
385.6	7925	-16.6	-51.1	3	0.09	115	21	336.9	337.3	336.9
368.0	8277	-19.5	-58.5	2	0.04	126	20	337.5	337.7	337.5
355.4	8534	-21.7	-51.2	5	0.10	135	19	337.9	338.4	338.0
342.0	8817	-24.1	-43.1	16	0.25	130	22	338.4	339.4	338.4
327.0	9143	-26.7	-52.7	7	0.09	125	25	339.2	339.6	339.2
326.9	9144	-26.7	-52.7	7	0.09	125	25	339.2	339.6	339.2
300.2	9754	-31.1	-54.1	9	0.08	125	34	341.4	341.8	341.4
300.0	9760	-31.1	-54.1	9	0.08	120	34	341.4	341.8	341.4
251.7	10973	-40.5	-60.6	10	0.04	145	31	345.0	345.2	345.0
250.0	11020	-40.9	-60.9	10	0.04	145	31	345.1	345.3	345.1
214.0	12059	-49.3	-67.3	10	0.02	145	36	347.8	347.9	347.8
209.7	12192	-50.1	-68.1	10	0.02	145	37	348.6	348.6	348.6
200.0	12500	-51.9	-69.9	10	0.02	135	37	350.4	350.5	350.4
182.0	13104	-55.9	-72.9	10	0.01	119	35	353.5	353.5	353.5
173.2	13411	-58.8	-74.0	12	0.01	110	34	353.8	353.8	353.8
158.0	13984	-64.1	-76.1	18	0.01	116	35	354.2	354.2	354.2

150.0	14300	-66.1	-79.1	15	0.01	120	36	356.0	356.1	356.0
134.0	14979	-69.3	-83.3	12	0.00	142	37	362.0	362.0	362.0
128.2	15240	-71.8	-84.5	14	0.00	150	37	362.1	362.1	362.1
121.7	15545	-74.8	-85.9	16	0.00	160	41	362.1	362.1	362.1
121.0	15579	-75.1	-86.1	17	0.00	160	40	362.1	362.1	362.1
112.0	16028	-74.5	-86.5	14	0.00	168	24	371.3	371.3	371.3
109.6	16154	-75.1	-87.1	14	0.00	170	20	372.4	372.4	372.4
109.0	16186	-75.3	-87.3	14	0.00	168	20	372.7	372.7	372.7
107.0	16293	-74.5	-86.5	14	0.00	162	19	376.2	376.2	376.2
106.0	16348	-73.1	-85.1	15	0.00	159	19	379.9	379.9	379.9
104.0	16460	-72.3	-85.3	13	0.00	153	18	383.5	383.5	383.5
101.0	16632	-72.9	-85.9	12	0.00	143	17	385.5	385.5	385.5
100.0	16690	-72.3	-85.3	13	0.00	140	17	387.8	387.8	387.8
86.4	17559	-68.5	-84.5	8	0.00	219	3	412.0	412.0	412.0
84.7	17678	-68.7	-85.0	8	0.00	230	1	413.9	413.9	413.9
76.5	18288	-69.8	-87.5	6	0.00	15	12	423.8	423.8	423.8
74.6	18436	-70.1	-88.1	6	0.00	54	15	426.3	426.3	426.3
73.4	18533	-67.7	-86.7	5	0.00	80	18	433.3	433.3	433.3
72.7	18593	-67.4	-86.8	5	0.00	95	19	435.1	435.2	435.1
70.0	18820	-66.3	-87.3	4	0.00	120	22	442.2	442.2	442.2
69.1	18898	-65.0	-87.6	3	0.00	120	21	446.6	446.6	446.6
68.9	18916	-64.7	-87.7	3	0.00	120	21	447.6	447.7	447.6
65.8	19202	-63.4	-88.0	2	0.00	115	29	456.4	456.4	456.4
56.8	20117	-59.3	-89.1	1	0.00	115	24	485.4	485.5	485.4
53.3	20508	-57.5	-89.5	1	0.00	83	21	498.4	498.4	498.4
51.5	20726	-57.9	-89.4	1	0.00	65	19	502.3	502.3	502.3
50.0	20910	-58.3	-89.3	1	0.00	85	20	505.7	505.7	505.7
49.0	21031	-58.5	-89.4	1	0.00	95	20	508.0	508.1	508.1
46.7	21336	-58.9	-89.7	1	0.00	30	23	514.1	514.1	514.1
44.5	21641	-59.4	-90.0	1	0.00	65	22	520.2	520.3	520.2
42.4	21946	-59.8	-90.3	1	0.00	55	24	526.4	526.5	526.4
36.8	22827	-61.1	-91.1	1	0.00	77	32	544.8	544.8	544.8
31.6	23774	-57.7	-89.2	1	0.00	100	40	577.8	577.9	577.8
30.0	24110	-56.5	-88.5	1	0.01	90	42	590.0	590.1	590.0
28.7	24384	-55.6	-87.9	1	0.01	90	45	599.7	599.8	599.7
25.9	25048	-53.5	-86.5	1	0.01	98	43	623.8	623.9	623.8
23.8	25603	-49.2	-83.6	1	0.02	105	41	651.7	651.8	651.7
22.9	25850	-47.3	-82.3	1	0.02	98	39	664.4	664.6	664.4
20.7	26521	-45.3	-80.3	1	0.03	81	35	689.9	690.2	689.9
20.0	26750	-45.3	-80.3	1	0.03	75	34	696.7	697.1	696.8
18.9	27127	-44.3	-80.1	1	0.03	55	30	711.2	711.5	711.2
18.7	27200	-44.1	-80.1	1	0.04	56	31	714.0	714.4	714.0
18.1	27432	-45.3	-80.7	1	0.03	60	33	717.5	717.8	717.5
16.6	27992	-48.1	-82.1	1	0.03	67	37	725.8	726.1	725.8
14.8	28752	-45.9	-80.9	1	0.04	76	44	757.3	757.8	757.4
14.1	29074	-47.1	-82.1	1	0.03	79	46	763.8	764.2	763.9
13.1	29566	-43.6	-79.8	1	0.05	85	50	792.2	792.8	792.2
12.5	29882	-41.3	-78.3	1	0.07	101	53	810.9	811.7	810.9
12.0	30175	-40.8	-77.8	1	0.08	115	55	822.8	823.7	822.8
11.7	30332	-40.5	-77.5	1	0.08	105	48	829.2	830.2	829.2
11.4	30480	-40.8	-77.5	1	0.09	95	41	833.3	834.4	833.4
10.9	30785	-41.4	-77.7	1	0.09	80	49	841.9	843.0	841.9
10.7	30939	-41.7	-77.7	1	0.09	83	50	846.2	847.4	846.3
10.0	31400	-39.7	-76.7	1	0.11	90	53	870.2	871.6	870.3
9.6	31699	-38.7	-75.9	1	0.13	90	55	884.9	886.6	885.0
8.3	32685	-35.3	-73.3	1	0.23	77	44	935.1	938.1	935.2
7.7	33223	-35.5	-73.5	1	0.24	70	38	955.3	958.6	955.5
7.5	33391	-35.5	-73.5	1	0.24			961.8	965.1	961.9

Station information and sounding indices

Station identifier: DRT
Station number: 72261
Observation time: 150726/0000
Station latitude: 29.36
Station longitude: -100.91
Station elevation: 313.0
Showalter index: -2.33
Lifted index: -4.01
LIFT computed using virtual temperature: -5.03
SWEAT index: 229.60
K index: 26.10
Cross totals index: 20.30
Vertical totals index: 28.30
Totals totals index: 48.60
Convective Available Potential Energy: 1802.62
CAPE using virtual temperature: 2030.74
Convective Inhibition: -116.30
CINS using virtual temperature: -48.98
Equilibrium Level: 146.31
Equilibrium Level using virtual temperature: 146.22
Level of Free Convection: 662.50
LFCT using virtual temperature: 691.22
Bulk Richardson Number: 262.69
Bulk Richardson Number using CAPV: 295.93
Temp [K] of the Lifted Condensation Level: 289.27
Pres [hPa] of the Lifted Condensation Level: 775.57
Mean mixed layer potential temperature: 311.06
Mean mixed layer mixing ratio: 15.12
1000 hPa to 500 hPa thickness: 5862.00
Precipitable water [mm] for entire sounding: 37.50

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)
