

72387 DRA Mercury Observations at 00Z 15 Jul 2005

PRES	HGHT	TEMP	DWPT	RELH	MIXR	DRCT	SKNT	THTA	THTE	THTV
hPa	m	C	C	%	g/kg	deg	knot	K	K	K
1000.0	7									
925.0	723									
897.0	1009	42.2	-4.8	5	3.00	230	8	325.3	335.7	325.9
889.0	1090	39.8	-9.2	4	2.15	230	8	323.6	331.2	324.1
876.3	1219	38.5	-10.5	4	1.97	230	9	323.6	330.6	324.0
850.0	1493	35.8	-13.2	4	1.63	230	9	323.6	329.4	324.0
818.2	1829	32.6	-13.3	4	1.69	225	7	323.8	329.8	324.1
790.4	2134	29.7	-13.3	5	1.74	235	6	323.9	330.0	324.2
763.6	2438	26.7	-13.4	6	1.79	260	7	323.9	330.2	324.3
737.6	2743	23.8	-13.5	7	1.84	285	8	323.9	330.4	324.3
700.0	3204	19.4	-13.6	10	1.92	320	9	323.9	330.7	324.3
663.0	3658	15.2	-13.4	13	2.07	345	10	324.3	331.5	324.7
616.4	4267	9.5	-13.0	19	2.28	60	11	324.6	332.6	325.0
594.3	4572	6.7	-12.9	23	2.40	90	17	324.7	333.1	325.2
583.0	4733	5.2	-12.8	26	2.46	95	18	324.8	333.3	325.2
572.6	4877	3.9	-12.7	29	2.52	100	18	324.9	333.6	325.4
500.0	5960	-6.1	-12.1	63	3.04	110	24	325.5	336.0	326.1
491.4	6096	-7.2	-13.2	62	2.83	110	25	325.8	335.6	326.4
478.0	6311	-8.9	-14.9	62	2.53	110	26	326.3	335.1	326.8
474.0	6376	-9.1	-21.1	37	1.51	110	26	326.8	332.3	327.1
472.5	6401	-9.2	-21.1	38	1.51	110	26	326.9	332.4	327.2
464.0	6541	-10.1	-21.1	40	1.54	112	24	327.6	333.1	327.9
456.0	6675	-10.7	-30.7	18	0.65	113	22	328.5	330.9	328.6
419.3	7315	-14.8	-33.8	18	0.53	120	13	331.2	333.3	331.4
418.0	7339	-14.9	-33.9	18	0.52	119	13	331.3	333.4	331.4
407.0	7540	-16.9	-28.9	35	0.87	113	12	331.3	334.6	331.5
402.7	7620	-17.3	-33.6	23	0.56	110	11	331.8	334.0	331.9
400.0	7670	-17.5	-36.5	17	0.42	110	11	332.2	333.8	332.2
370.8	8230	-22.5	-36.5	27	0.46	100	12	332.8	334.6	332.9
365.0	8345	-23.5	-36.5	29	0.46	106	12	333.0	334.8	333.1
362.0	8405	-23.9	-33.9	39	0.60	109	12	333.2	335.6	333.3
348.0	8692	-24.7	-38.7	26	0.39	125	13	335.9	337.5	336.0
326.6	9144	-28.3	-42.3	25	0.28	150	14	337.1	338.3	337.2
300.0	9750	-33.1	-47.1	23	0.18	145	9	338.6	339.4	338.6
262.7	10668	-40.2	-51.3	29	0.13	115	12	341.2	341.8	341.3
250.0	11010	-42.9	-52.9	32	0.11	115	13	342.1	342.6	342.2
240.2	11278	-44.7	-54.3	33	0.10	100	14	343.3	343.8	343.4
228.0	11627	-47.1	-56.1	35	0.08	97	16	344.9	345.2	344.9
200.0	12490	-50.3	-60.3	30	0.06	90	21	352.9	353.2	353.0
190.4	12802	-52.1	-61.9	30	0.05	90	21	355.1	355.3	355.1
172.9	13411	-55.6	-65.1	30	0.04	110	25	359.3	359.4	359.3
164.8	13716	-57.3	-66.6	30	0.03	120	24	361.3	361.5	361.3
150.0	14310	-60.7	-69.7	30	0.02	110	15	365.3	365.4	365.3
144.0	14563	-62.1	-71.1	29	0.02	98	14	367.2	367.2	367.2
142.4	14630	-62.3	-71.3	29	0.02	95	14	367.9	368.0	367.9
128.8	15240	-64.2	-72.9	29	0.02	90	16	375.2	375.3	375.2
105.4	16459	-68.1	-76.2	30	0.01	85	14	390.0	390.1	390.0
100.3	16764	-69.0	-77.1	31	0.01	80	13	393.8	393.8	393.8
100.0	16780	-69.1	-77.1	31	0.01	80	13	394.0	394.0	394.0
98.2	16889	-68.9	-76.9	31	0.01	81	13	396.4	396.5	396.4
74.1	18593	-66.1	-74.1	32	0.02	100	12	435.5	435.6	435.5
70.0	18940	-65.5	-73.5	32	0.03	85	14	443.9	444.1	443.9
60.7	19812	-64.3	-72.8	30	0.03	80	19	465.1	465.3	465.1

52.7	20675	-63.1	-72.1	29	0.04	87	22	487.0	487.3	487.0
50.0	21000	-60.7	-69.7	30	0.06	90	23	500.0	500.4	500.0
47.4	21336	-58.4	-68.0	28	0.09	90	24	513.2	513.8	513.2
42.0	22104	-53.1	-64.1	25	0.16	93	24	544.4	545.6	544.4
30.0	24280	-51.7	-63.7	22	0.24	100	25	603.1	605.1	603.2
28.2	24689	-52.2	-64.2	22	0.24	100	25	612.7	614.7	612.8
26.3	25135	-52.7	-64.7	22	0.24	94	25	623.4	625.4	623.5
23.4	25908	-50.4	-63.7	19	0.31	85	26	651.5	654.3	651.7
20.0	26930	-47.3	-62.3	16	0.44	85	33	690.6	694.7	690.8
18.6	27432	-46.5	-62.5	15	0.46	85	36	708.0	712.4	708.2
13.5	29566	-43.3	-63.1	9	0.58	85	40	786.6	792.8	786.9
12.2	30235	-42.3	-63.3	8	0.63			813.0	819.9	813.3

Station information and sounding indices

Station identifier: DRA
 Station number: 72387
 Observation time: 050715/0000
 Station latitude: 36.61
 Station longitude: -116.01
 Station elevation: 1009.0
 Showalter index: 5.50
 Lifted index: 4.90

LIFT computed using virtual temperature: 4.86
 SWEAT index: 42.00
 K index: -4.30
 Cross totals index: -7.10
 Vertical totals index: 41.90
 Totals totals index: 34.80
 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: 253.87
 Pres [hPa] of the Lifted Condensation Level: 426.89
 Mean mixed layer potential temperature: 323.78
 Mean mixed layer mixing ratio: 1.99
 1000 hPa to 500 hPa thickness: 5953.00
 Precipitable water [mm] for entire sounding: 10.53

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:ldoolman@uwyo.edu)
