

72387 DRA Mercury Observations at 00Z 20 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	-23									
925.0	702									
895.0	1009	42.6	2.6	9	5.18	205	15	325.9	343.4	326.9
876.0	1206	40.0	-3.0	7	3.51	210	15	325.2	337.3	325.9
874.7	1219	39.8	-3.1	7	3.50	210	15	325.2	337.2	325.9
850.0	1479	36.4	-4.6	7	3.21	210	15	324.3	335.3	324.9
817.0	1829	32.9	-4.2	9	3.45	220	14	324.3	336.1	325.0
789.2	2134	29.9	-3.8	11	3.66	230	14	324.3	336.8	325.0
762.5	2438	26.9	-3.5	13	3.90	230	13	324.2	337.4	325.0
736.7	2743	23.9	-3.1	16	4.14	225	13	324.1	338.1	324.9
700.0	3194	19.4	-2.6	22	4.54	220	15	323.9	339.2	324.8
662.3	3658	14.8	-3.2	29	4.57	220	15	323.9	339.3	324.8
638.7	3962	11.8	-3.7	34	4.58	220	15	323.9	339.3	324.8
615.9	4267	8.8	-4.1	40	4.60	235	14	323.8	339.3	324.7
591.0	4612	5.4	-4.6	49	4.62	249	15	323.7	339.2	324.6
572.0	4877	3.0	-8.8	42	3.46	260	16	324.0	335.8	324.7
550.8	5182	0.3	-13.6	34	2.44	265	18	324.3	332.7	324.7
550.0	5194	0.2	-13.8	34	2.41	264	18	324.3	332.6	324.7
545.0	5267	-0.7	-5.5	70	4.68	260	18	324.0	339.8	325.0
537.0	5385	-1.7	-14.7	36	2.29	253	19	324.2	332.2	324.7
500.0	5950	-4.9	-13.9	49	2.63	220	21	327.0	336.2	327.5
490.8	6096	-6.3	-13.9	55	2.68	215	21	327.0	336.4	327.5
487.0	6156	-6.9	-13.9	57	2.70	212	20	327.0	336.4	327.6
471.9	6401	-8.3	-21.4	34	1.48	200	16	328.3	333.6	328.6
465.0	6516	-8.9	-24.9	26	1.10	215	15	328.9	332.9	329.1
462.0	6566	-8.5	-33.5	11	0.49	221	14	330.0	331.9	330.1
443.0	6891	-9.1	-37.1	8	0.36	264	10	333.2	334.6	333.3
402.6	7620	-15.8	-39.2	12	0.32	0	0	333.7	335.0	333.8
400.0	7670	-16.3	-39.3	12	0.32	0	0	333.7	335.0	333.8
390.0	7860	-17.9	-40.9	11	0.28	7	1	334.0	335.2	334.1
326.9	9144	-27.6	-46.5	15	0.18	55	4	338.0	338.7	338.0
300.0	9770	-32.3	-49.3	17	0.14	165	4	339.7	340.4	339.8
263.4	10668	-38.9	-54.4	18	0.09	185	4	343.0	343.4	343.0
250.0	11030	-41.5	-56.5	18	0.07	190	4	344.2	344.6	344.2
224.0	11766	-46.7	-60.7	19	0.05	143	3	347.2	347.4	347.2
200.0	12510	-50.7	-63.7	20	0.04	95	2	352.3	352.5	352.3
150.0	14340	-61.9	-72.9	22	0.01	30	9	363.2	363.3	363.2
129.4	15240	-67.7	-77.0	25	0.01	65	7	368.6	368.6	368.6
126.0	15402	-68.7	-77.7	26	0.01	45	6	369.5	369.6	369.5
118.0	15794	-69.7	-78.7	26	0.01	355	5	374.7	374.7	374.7
100.3	16764	-70.3	-79.3	26	0.01	85	5	391.4	391.4	391.4
100.0	16780	-70.3	-79.3	26	0.01	95	6	391.6	391.7	391.6
96.8	16974	-70.1	-79.1	26	0.01	115	9	395.7	395.7	395.7
95.3	17069	-70.1	-79.1	26	0.01	125	10	397.4	397.5	397.4
89.3	17455	-70.3	-79.3	26	0.01	159	10	404.5	404.6	404.5
81.8	17983	-67.9	-77.2	25	0.01	205	11	419.7	419.8	419.7
70.0	18930	-63.5	-73.5	25	0.03	280	4	448.2	448.4	448.2
67.3	19172	-61.5	-72.5	22	0.03	306	5	457.6	457.8	457.6
55.0	20422	-59.3	-71.0	21	0.05	80	13	489.6	489.9	489.6
50.0	21020	-58.3	-70.3	20	0.06	90	18	505.7	506.1	505.7
47.6	21336	-58.0	-70.0	20	0.06	95	20	513.7	514.2	513.8
43.1	21959	-57.3	-69.3	20	0.08	94	21	530.0	530.6	530.1
36.7	22989	-53.1	-66.1	19	0.14	92	23	565.7	566.9	565.8

30.0	24290	-53.7	-66.7	19	0.16	90	26	597.6	599.0	597.7
29.6	24384	-53.6	-66.6	19	0.17	90	26	600.5	601.8	600.5
25.7	25287	-52.5	-65.5	19	0.22	97	26	628.1	630.0	628.2
23.1	25983	-48.3	-63.3	16	0.33	103	26	659.8	662.8	660.0
22.3	26213	-48.5	-63.5	16	0.33	105	26	665.7	668.7	665.9
20.0	26930	-49.3	-64.3	16	0.34	105	24	684.5	687.6	684.6
18.5	27432	-47.2	-62.6	16	0.46	95	22	706.0	710.3	706.2
17.7	27737	-45.9	-61.5	16	0.55	85	22	719.4	724.6	719.6
16.1	28369	-43.3	-59.3	15	0.80	86	24	747.8	755.7	748.1
11.8	30480	-41.6	-58.9	14	1.15	90	30	823.6	836.1	824.2
10.0	31590	-40.7	-58.7	13	1.39	85	37	866.5	882.3	867.2
9.0	32307	-40.9	-58.9	13	1.51	89	38	892.2	909.9	893.0
8.6	32614	-40.1	-57.7	14	1.83	90	39	906.7	928.5	907.7
8.1	33027	-39.1	-56.1	15	2.38			926.6	955.3	927.9

Station information and sounding indices

Station identifier: DRA
 Station number: 72387
 Observation time: 050720/0000
 Station latitude: 36.61
 Station longitude: -116.01
 Station elevation: 1009.0
 Showalter index: 4.00
 Lifted index: 2.97

LIFT computed using virtual temperature: 2.72
 SWEAT index: 50.99
 K index: 14.70
 Cross totals index: 0.30
 Vertical totals index: 41.30
 Totals totals index: 41.60
 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: 262.78
 Pres [hPa] of the Lifted Condensation Level: 475.11
 Mean mixed layer potential temperature: 325.04
 Mean mixed layer mixing ratio: 3.75
 1000 hPa to 500 hPa thickness: 5973.00
 Precipitable water [mm] for entire sounding: 17.02

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:ldoolman@uwyo.edu)
