

# 72387 DRA Mercury Observations at 00Z 19 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	-14									
925.0	706									
895.0	1009	42.8	-2.2	6	3.65	265	7	326.1	338.7	326.9
874.7	1219	40.1	-6.7	5	2.67	260	20	325.5	334.8	326.0
850.0	1481	36.8	-12.2	4	1.77	260	19	324.7	331.0	325.0
817.8	1829	33.2	-14.5	4	1.53	250	17	324.5	330.0	324.8
800.0	2027	31.2	-15.8	4	1.40	244	16	324.4	329.4	324.7
790.3	2134	30.2	-15.6	4	1.45	240	15	324.4	329.6	324.7
763.3	2438	27.2	-14.9	5	1.59	240	13	324.4	330.1	324.8
737.2	2743	24.2	-14.2	7	1.74	240	12	324.4	330.6	324.8
711.9	3048	21.2	-13.5	9	1.90	245	11	324.4	331.1	324.8
700.0	3196	19.8	-13.2	10	1.99	240	11	324.4	331.4	324.8
661.8	3658	15.4	-14.1	12	1.95	235	12	324.7	331.6	325.1
637.8	3962	12.5	-14.7	14	1.93	225	13	324.8	331.6	325.2
614.6	4267	9.6	-15.3	16	1.90	220	11	324.9	331.7	325.3
570.8	4877	3.8	-16.5	21	1.85	175	5	325.1	331.6	325.4
524.0	5581	-2.9	-17.9	30	1.80	246	4	325.1	331.4	325.4
513.0	5748	-3.9	-18.9	30	1.68	264	4	325.8	331.8	326.1
504.0	5887	-4.1	-38.1	5	0.29	278	4	327.2	328.4	327.3
500.0	5950	-4.3	-40.3	4	0.23	285	4	327.7	328.6	327.8
490.8	6096	-5.3	-41.5	4	0.20	275	4	328.2	329.1	328.3
460.0	6604	-8.9	-45.9	3	0.14	300	4	329.9	330.5	329.9
457.0	6655	-7.7	-48.7	2	0.10	302	4	332.0	332.4	332.0
403.1	7620	-15.2	-46.8	5	0.14	350	3	334.4	334.9	334.4
400.0	7680	-15.7	-46.7	5	0.14	340	2	334.5	335.1	334.5
345.0	8773	-25.5	-47.5	11	0.15	351	8	335.6	336.3	335.7
327.5	9144	-28.3	-49.6	11	0.13	355	10	336.8	337.3	336.8
313.8	9449	-30.6	-51.3	11	0.11	350	11	337.7	338.2	337.7
300.0	9770	-33.1	-53.1	12	0.09	350	11	338.6	339.0	338.6
263.2	10668	-39.9	-57.7	13	0.06	0	15	341.6	341.9	341.6
250.0	11020	-42.5	-59.5	14	0.05	350	14	342.7	343.0	342.8
229.7	11582	-46.3	-62.2	15	0.04	340	16	345.4	345.5	345.4
200.0	12500	-52.5	-66.5	17	0.02	355	18	349.5	349.6	349.5
190.6	12802	-54.1	-67.8	17	0.02	0	17	351.7	351.8	351.7
173.0	13411	-57.3	-70.3	18	0.02	345	22	356.2	356.3	356.3
150.0	14310	-62.1	-74.1	19	0.01	0	13	362.9	363.0	362.9
128.7	15240	-66.1	-77.2	20	0.01	355	5	372.0	372.1	372.0
106.0	16414	-71.1	-81.1	22	0.01	350	11	383.7	383.7	383.7
105.2	16459	-70.9	-80.9	22	0.01	0	11	384.8	384.8	384.8
100.0	16760	-69.9	-79.9	22	0.01	15	11	392.4	392.4	392.4
99.9	16764	-69.9	-79.9	22	0.01	20	11	392.5	392.6	392.5
94.8	17079	-68.9	-78.9	22	0.01	38	10	400.4	400.5	400.4
88.7	17475	-70.1	-80.1	22	0.01	60	9	405.7	405.7	405.7
83.7	17823	-66.1	-77.1	20	0.01	80	8	420.6	420.7	420.6
73.9	18579	-65.7	-76.7	20	0.02	122	5	436.7	436.8	436.7
70.0	18910	-63.5	-74.5	21	0.02	140	4	448.2	448.3	448.2
66.5	19227	-61.1	-73.1	19	0.03	128	5	460.0	460.2	460.0
61.0	19761	-62.3	-74.3	19	0.03	107	8	468.8	469.0	468.8
50.0	21000	-58.1	-71.1	17	0.05	60	13	506.1	506.5	506.1
47.4	21336	-57.2	-70.4	17	0.06	70	18	516.1	516.5	516.1
40.6	22318	-54.5	-68.5	16	0.09	82	21	546.1	546.9	546.2
32.4	23774	-52.5	-67.3	15	0.14	100	25	587.9	589.0	588.0
30.0	24260	-51.9	-66.9	15	0.16	100	26	602.5	603.9	602.6

21.3	26518	-48.5	-65.2	13	0.28	80	30	675.0	677.6	675.1
20.0	26920	-47.9	-64.9	12	0.31	90	24	688.8	691.7	688.9
19.4	27127	-47.6	-64.8	12	0.33	90	23	695.9	699.0	696.1
18.5	27432	-47.1	-64.5	12	0.35	95	24	706.6	710.0	706.7
16.9	28042	-46.2	-64.1	11	0.41	115	20	728.4	732.4	728.6
14.7	28956	-44.8	-63.5	10	0.51	130	19	762.3	767.5	762.5
14.1	29244	-44.3	-63.3	10	0.54			773.3	779.0	773.5
14.0	29292	-44.1	-60.1	15	0.83			775.5	784.1	775.9

## Station information and sounding indices

Station identifier: DRA  
 Station number: 72387  
 Observation time: 050719/0000  
 Station latitude: 36.61  
 Station longitude: -116.01  
 Station elevation: 1009.0  
 Showalter index: 6.57  
 Lifted index: 5.10

LIFT computed using virtual temperature: 4.54  
 SWEAT index: 42.00  
 K index: -4.10  
 Cross totals index: -7.90  
 Vertical totals index: 41.10  
 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: 257.10  
 Pres [hPa] of the Lifted Condensation Level: 438.57  
 Mean mixed layer potential temperature: 325.37  
 Mean mixed layer mixing ratio: 2.60  
 1000 hPa to 500 hPa thickness: 5964.00  
 Precipitable water [mm] for entire sounding: 7.86

Description of the [data columns](#) or [sounding indices](#).

Close this window

Select another map

---

Interested in graduate studies in atmospheric science? Check out our program at the [University of Wyoming](#)

---

Questions about the weather data provided by this site can be addressed to [Larry Oolman \(ldoolman@uwyo.edu\)](mailto:ldoolman@uwyo.edu)

---