

72387 DRA Mercury Observations at 00Z 21 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	15									
925.0	733									
898.0	1009	39.4	3.4	11	5.47	190	12	322.3	340.5	323.4
890.0	1090	39.4	3.4	11	5.52	192	12	323.1	341.5	324.2
877.3	1219	37.1	3.1	12	5.48	195	11	322.1	340.2	323.1
865.0	1346	34.8	2.8	13	5.44	197	11	321.0	339.0	322.0
850.0	1502	33.4	3.4	15	5.78	200	10	321.1	340.2	322.2
819.2	1829	30.3	3.0	18	5.84	195	11	321.2	340.5	322.4
791.5	2134	27.4	2.7	20	5.90	195	11	321.3	340.8	322.5
764.8	2438	24.5	2.4	24	5.96	185	12	321.4	341.0	322.5
753.0	2575	23.2	2.2	25	5.99	176	12	321.4	341.1	322.5
738.5	2743	21.9	0.6	24	5.44	165	11	321.7	339.7	322.8
700.0	3205	18.2	-3.8	22	4.14	135	8	322.6	336.6	323.4
663.6	3658	14.5	-4.6	26	4.12	140	7	323.4	337.3	324.2
663.0	3666	14.4	-4.6	27	4.12	140	7	323.4	337.3	324.2
616.3	4267	8.8	-5.5	36	4.13	145	8	323.8	337.7	324.6
572.3	4877	3.2	-6.5	49	4.14	160	12	324.1	338.1	324.9
549.0	5218	0.0	-7.0	59	4.14	151	10	324.2	338.2	325.0
500.0	5960	-5.5	-10.0	71	3.60	130	5	326.3	338.6	327.0
491.3	6096	-6.5	-10.7	72	3.47	125	6	326.7	338.6	327.4
452.0	6743	-11.3	-13.9	81	2.91	117	9	328.5	338.7	329.1
402.6	7620	-16.8	-20.1	76	1.94	105	12	332.5	339.5	332.9
400.0	7670	-17.1	-20.4	75	1.90	110	12	332.7	339.6	333.1
386.6	7925	-18.6	-21.4	78	1.80	120	11	334.0	340.6	334.4
373.0	8191	-20.1	-22.5	81	1.69	155	11	335.4	341.7	335.8
371.0	8230	-20.4	-23.8	74	1.52	160	11	335.6	341.2	335.9
356.0	8535	-22.5	-33.5	36	0.64	170	15	336.7	339.2	336.8
341.3	8839	-24.5	-35.2	36	0.56	180	19	338.1	340.3	338.2
327.2	9144	-26.4	-37.0	36	0.49	175	21	339.5	341.4	339.6
300.0	9770	-30.5	-40.5	37	0.37	170	23	342.3	343.8	342.4
275.5	10363	-35.5	-43.7	43	0.29	165	21	343.4	344.6	343.5
263.7	10668	-38.1	-45.3	47	0.25	185	24	343.9	345.0	344.0
250.0	11040	-41.3	-47.3	52	0.22	200	31	344.5	345.4	344.6
241.2	11278	-43.3	-49.5	51	0.17	205	33	345.1	345.8	345.1
200.7	12497	-53.5	-60.5	42	0.06	215	20	347.5	347.8	347.5
200.0	12520	-53.7	-60.7	42	0.05	215	22	347.6	347.8	347.6
191.0	12813	-55.9	-62.9	41	0.04	178	17	348.6	348.8	348.6
182.2	13106	-57.3	-64.3	41	0.04	140	11	351.1	351.3	351.1
173.5	13411	-58.7	-65.7	40	0.03	135	16	353.7	353.9	353.8
150.0	14320	-62.9	-69.9	38	0.02	135	22	361.5	361.6	361.5
131.0	15146	-67.1	-74.1	37	0.01	144	15	368.3	368.4	368.3
128.9	15240	-67.3	-74.3	37	0.01	145	14	369.5	369.6	369.5
100.0	16760	-71.1	-77.1	41	0.01	155	9	390.1	390.2	390.1

Station information and sounding indices

Station identifier: DRA
Station number: 72387
Observation time: 050721/0000
Station latitude: 36.61
Station longitude: -116.01
Station elevation: 1009.0

Showalter index: 1.32
Lifted index: 1.33
LIFT computed using virtual temperature: 1.17
SWEAT index: 65.80
K index: 20.30
Cross totals index: 8.90
Vertical totals index: 38.90
Totals totals index: 47.80
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: 269.60
Pres [hPa] of the Lifted Condensation Level: 538.01
Mean mixed layer potential temperature: 321.85
Mean mixed layer mixing ratio: 5.53
1000 hPa to 500 hPa thickness: 5945.00
Precipitable water [mm] for entire sounding: 23.63

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)
