

71867 YQD The Pas Observations at 12Z 09 Feb 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	237									
995.0	274	-24.5	-27.2	78	0.42	340	2	249.0	250.2	249.1
993.0	289	-21.9	-23.5	87	0.58	359	6	251.8	253.4	251.8
990.8	305	-21.5	-23.6	83	0.58	20	11	252.3	253.9	252.4
987.0	333	-20.9	-23.9	77	0.57	16	11	253.2	254.8	253.3
981.0	378	-21.1	-24.3	75	0.55	10	10	253.4	255.0	253.5
968.0	477	-19.3	-25.3	59	0.51	357	9	256.2	257.7	256.3
955.0	578	-18.9	-22.3	74	0.67	344	7	257.6	259.5	257.7
950.9	610	-18.9	-23.1	69	0.63	340	7	257.9	259.7	258.0
942.0	680	-18.9	-24.9	59	0.54	338	6	258.6	260.2	258.7
925.0	816	-17.9	-27.9	41	0.42	335	3	261.0	262.2	261.1
920.0	857	-17.7	-27.7	41	0.43	335	4	261.6	262.9	261.7
919.0	865	-17.9	-27.9	41	0.42	335	4	261.5	262.7	261.6
913.0	914	-16.6	-26.6	42	0.48	335	5	263.3	264.7	263.3
901.0	1014	-14.1	-24.1	43	0.61	345	6	266.9	268.7	267.0
878.0	1210	-13.9	-22.9	47	0.70	4	9	269.1	271.1	269.2
877.0	1219	-13.8	-22.8	47	0.70	5	9	269.2	271.3	269.3
858.0	1386	-12.7	-21.7	47	0.79	341	6	272.1	274.5	272.2
850.0	1457	-12.9	-20.9	51	0.86	330	5	272.6	275.2	272.8
842.5	1524	-13.3	-22.5	46	0.75	330	10	272.9	275.2	273.0
838.0	1565	-13.5	-23.5	43	0.69	328	10	273.1	275.2	273.2
821.0	1721	-12.7	-32.7	17	0.30	320	9	275.6	276.5	275.6
809.5	1829	-12.8	-33.7	16	0.28	315	9	276.5	277.4	276.6
777.7	2134	-13.2	-36.7	12	0.21	335	10	279.4	280.1	279.4
748.0	2430	-13.5	-39.5	9	0.17	291	12	282.1	282.7	282.1
747.2	2438	-13.5	-39.4	9	0.17	290	12	282.2	282.8	282.2
719.0	2731	-12.9	-36.9	11	0.23	300	28	286.0	286.8	286.0
717.9	2743	-12.9	-37.1	11	0.22	300	29	286.1	286.8	286.1
700.0	2935	-13.7	-39.7	9	0.17	295	32	287.3	287.9	287.3
692.0	3022	-13.9	-31.9	20	0.38	296	36	288.0	289.3	288.1
681.0	3144	-13.7	-21.7	51	1.00	298	41	289.6	292.7	289.7
667.0	3302	-14.1	-24.1	43	0.82	299	47	290.8	293.5	291.0
662.6	3353	-14.5	-19.0	69	1.29	300	49	290.9	295.0	291.1
661.0	3371	-14.7	-17.2	81	1.51	299	49	290.9	295.6	291.2
636.4	3658	-16.5	-20.6	70	1.17	290	50	292.0	295.8	292.2
631.0	3722	-16.9	-21.4	68	1.10	291	51	292.3	295.8	292.5
629.0	3746	-16.9	-26.9	42	0.68	291	51	292.5	294.8	292.7
627.0	3770	-17.1	-26.1	46	0.73	291	51	292.6	295.0	292.7

624.0	3806	-17.1	-35.1	19	0.31	291	51	293.0	294.1	293.0
620.0	3854	-17.5	-40.5	12	0.18	292	52	293.1	293.7	293.1
612.0	3951	-17.7	-39.7	13	0.20	292	53	293.9	294.6	294.0
606.0	4025	-18.1	-25.1	54	0.83	293	54	294.3	297.0	294.4
595.0	4162	-18.5	-41.5	11	0.17	294	55	295.4	296.0	295.4
586.7	4267	-18.9	-33.7	26	0.38	295	56	296.1	297.4	296.1
580.0	4352	-19.3	-27.3	49	0.71	295	57	296.6	299.0	296.7
561.0	4600	-20.7	-27.7	53	0.70	295	58	297.8	300.1	297.9
540.2	4877	-23.1	-30.1	53	0.58	295	60	298.1	300.1	298.2
524.0	5101	-25.1	-32.1	52	0.50	295	61	298.4	300.1	298.4
506.0	5354	-27.3	-31.2	69	0.56	295	62	298.7	300.6	298.8
500.0	5440	-27.9	-32.1	67	0.52	295	62	299.0	300.8	299.1
455.2	6096	-33.1	-38.5	58	0.30	295	62	300.6	301.7	300.6
401.0	6983	-40.1	-47.1	47	0.14	295	72	302.6	303.1	302.6
400.0	7000	-40.3	-47.3	47	0.13	295	72	302.5	303.0	302.6
366.0	7597	-45.9	-50.9	57	0.10	295	74	302.9	303.2	302.9
364.7	7620	-46.1	-50.9	58	0.10	295	74	302.9	303.3	302.9
348.0	7930	-48.3	-51.2	72	0.10	296	73	304.0	304.4	304.0
340.0	8083	-49.5	-52.5	71	0.09	297	72	304.4	304.7	304.4
336.0	8160	-49.9	-54.9	55	0.07	297	71	304.9	305.1	304.9
328.0	8317	-51.3	-54.8	66	0.07	298	71	305.1	305.3	305.1
325.0	8376	-51.7	-57.7	48	0.05	298	70	305.3	305.5	305.3
302.0	8848	-55.1	-61.1	47	0.03	300	68	307.0	307.1	307.0
300.0	8890	-55.3	-61.3	47	0.03	300	68	307.3	307.4	307.3
288.3	9144	-54.7	-75.3	6	0.00	295	71	311.6	311.6	311.6
288.0	9151	-54.7	-75.7	6	0.00	295	71	311.8	311.8	311.8
272.0	9519	-54.1	-76.1	5	0.00	297	73	317.8	317.8	317.8
250.0	10060	-54.9	-75.9	6	0.01	300	76	324.3	324.3	324.3
247.0	10137	-54.9	-75.9	6	0.01	299	77	325.4	325.5	325.4
232.0	10539	-52.4	-80.5	2	0.00	295	84	335.1	335.1	335.1
230.0	10595	-52.1	-81.1	2	0.00	295	84	336.4	336.4	336.4
228.0	10652	-52.3	-81.3	2	0.00	295	84	336.9	336.9	336.9
227.4	10668	-52.3	-81.4	2	0.00	295	84	337.2	337.2	337.2
212.0	11121	-52.3	-83.3	1	0.00	295	76	344.0	344.0	344.0
200.0	11500	-49.7	-83.7	1	0.00	295	70	353.9	353.9	353.9
185.0	12012	-48.9	-82.9	1	0.00	292	68	363.2	363.2	363.2
173.0	12452	-49.9	-83.9	1	0.00	290	66	368.6	368.6	368.6
165.0	12762	-49.9	-83.9	1	0.00	288	65	373.6	373.6	373.6
156.0	13131	-47.7	-82.7	1	0.00	286	63	383.3	383.4	383.3
150.0	13390	-48.7	-82.7	1	0.00	285	62	385.9	386.0	385.9
143.0	13704	-49.5	-83.5	1	0.00	286	60	389.9	389.9	389.9
129.0	14382	-47.3	-82.3	1	0.00	288	57	405.4	405.5	405.4
113.2	15240	-51.8	-84.9	1	0.00	290	53	412.6	412.6	412.6
112.0	15307	-52.1	-85.1	1	0.00	290	53	413.2	413.2	413.2
102.0	15912	-52.5	-85.5	1	0.00	290	56	423.6	423.6	423.6
100.0	16040	-52.1	-85.1	1	0.00	290	57	426.8	426.8	426.8

98.2	16154	-52.6	-85.6	1	0.00	290	57	427.9	428.0	427.9
94.0	16439	-53.9	-86.9	1	0.00	288	54	430.9	430.9	430.9
91.9	16585	-51.9	-84.9	1	0.00	286	53	437.6	437.6	437.6
89.4	16764	-52.8	-85.5	1	0.00	285	51	439.2	439.2	439.2
85.2	17069	-54.4	-86.6	1	0.00	290	59	442.0	442.0	442.0
84.1	17156	-54.9	-86.9	1	0.00	292	58	442.8	442.8	442.8
77.8	17654	-55.1	-87.1	1	0.00	304	51	452.3	452.3	452.3
77.5	17678	-55.1	-87.1	1	0.00	305	51	452.8	452.8	452.8
70.5	18288	-54.5	-87.5	1	0.00	290	44	466.5	466.5	466.5
70.0	18330	-54.5	-87.5	1	0.00	290	44	467.4	467.5	467.4
68.5	18469	-52.7	-85.7	1	0.00	282	47	474.2	474.2	474.2
67.2	18593	-53.0	-85.9	1	0.00	275	49	476.3	476.3	476.3
61.1	19202	-54.2	-86.9	1	0.00	290	52	486.6	486.6	486.6
58.2	19507	-54.9	-87.3	1	0.00	290	34	491.9	491.9	491.9
52.9	20117	-56.1	-88.3	1	0.00	300	44	502.5	502.5	502.5
50.5	20422	-56.8	-88.8	1	0.00	315	31	507.9	507.9	507.9
50.0	20480	-56.9	-88.9	1	0.00	310	34	508.9	509.0	509.0
49.8	20505	-57.1	-89.1	1	0.00	308	33	509.1	509.1	509.1
48.1	20726	-56.8	-88.9	1	0.00	295	24	514.8	514.8	514.8
43.7	21336	-56.0	-88.3	1	0.00	310	25	531.0	531.1	531.0
41.6	21641	-55.6	-88.1	1	0.00	290	28	539.3	539.4	539.3
39.7	21946	-55.3	-87.8	1	0.00	315	26	547.8	547.8	547.8
36.1	22555	-54.5	-87.2	1	0.01	345	36	565.0	565.0	565.0
32.8	23165	-53.7	-86.7	1	0.01	340	28	582.7	582.7	582.7
32.8	23161	-53.7	-86.7	1	0.01	340	28	582.6	582.7	582.6
30.0	23730	-55.7	-87.7	1	0.01	5	21	592.2	592.3	592.2
29.8	23774	-55.7	-87.7	1	0.01	5	21	593.3	593.3	593.3
28.4	24079	-55.9	-87.9	1	0.01	335	24	600.9	601.0	600.9
26.2	24591	-56.3	-88.3	1	0.01	343	27	613.9	613.9	613.9
24.6	24994	-55.2	-87.6	1	0.01	350	29	628.1	628.2	628.1
23.5	25298	-54.4	-87.0	1	0.01	5	23	639.1	639.2	639.1
22.4	25603	-53.6	-86.5	1	0.01	0	37	650.2	650.3	650.2
21.7	25795	-53.1	-86.1	1	0.01	16	33	657.4	657.5	657.4
21.3	25908	-53.2	-86.2	1	0.01	25	30	660.3	660.4	660.3
20.3	26213	-53.6	-86.6	1	0.01	15	34	668.2	668.4	668.2
20.0	26320	-53.7	-86.7	1	0.01	15	32	671.0	671.2	671.1
19.4	26518	-53.9	-86.9	1	0.01	40	32	676.5	676.6	676.5
18.0	26997	-54.3	-87.3	1	0.01	28	28	689.7	689.8	689.7
17.6	27127	-53.5	-86.6	1	0.01	25	27	696.3	696.5	696.3
16.8	27432	-51.5	-85.0	1	0.02	5	20	712.1	712.3	712.1
16.1	27737	-49.5	-83.3	1	0.02	30	21	728.2	728.5	728.2
15.7	27885	-48.5	-82.5	1	0.03	35	21	736.1	736.5	736.2
15.3	28042	-48.9	-82.9	1	0.03	40	20	739.8	740.1	739.9
14.3	28498	-50.1	-84.1	1	0.02	29	38	750.7	750.9	750.7
14.0	28651	-49.6	-83.7	1	0.03	25	44	757.5	757.8	757.5
13.3	28956	-48.5	-82.9	1	0.03	40	35	771.1	771.5	771.1

12.2	29566	-46.3	-81.2	1	0.04	35	47	799.1	799.7	799.2
11.6	29870	-45.3	-80.4	1	0.05	40	33	813.5	814.1	813.5
10.6	30480	-43.1	-78.8	1	0.08	30	44	842.9	843.9	842.9
10.0	30880	-41.7	-77.7	1	0.10	35	49	862.8	864.0	862.8
9.8	31017	-40.9	-77.9	1	0.10	35	51	870.8	872.0	870.8
9.6	31157	-42.1	-78.1	1	0.09	35	54	871.4	872.6	871.4
9.3	31394	-42.1	-78.1	1	0.10	35	58	880.1	881.4	880.2
8.5	32004	-42.1	-78.1	1	0.11	25	41	903.1	904.6	903.2
7.9	32474	-42.1	-78.1	1	0.11	29	61	921.3	922.8	921.3
7.7	32614	-41.3	-77.5	1	0.13	30	67	930.0	931.8	930.1
7.2	33106	-38.3	-75.3	1	0.19	34	62	961.6	964.3	961.7
7.0	33300	-38.3	-75.3	1	0.20	35	60	969.3	972.1	969.5
6.8	33528	-38.1	-75.3	1	0.21	35	64	979.4	982.3	979.5
6.5	33833	-37.9	-75.3	1	0.22	40	66	992.9	996.0	993.0
5.9	34478	-37.3	-75.3	1	0.24	26	67	1022.2	1025.7	1022.4
5.5	34966	-33.7	-72.7	1	0.37	16	68	1058.8	1064.5	1059.1
5.3	35226	-34.0	-73.0	1	0.37	10	68	1068.9	1074.6	1069.2
5.2	35359	-34.1	-73.1	1	0.37			1074.1	1079.9	1074.4
5.2	35357	-34.1	-73.1	1	0.37	10	68	1074.0	1079.8	1074.3

Station information and sounding indices

Station identifier: YQD

Station number: 71867

Observation time: 150209/1200

Station latitude: 53.97

Station longitude: -101.09

Station elevation: 274.0

Showalter index: 19.80

Lifted index: 33.82

LIFT computed using virtual temperature: 33.89

SWEAT index: 71.99

K index: -31.90

Cross totals index: 7.00

Vertical totals index: 15.00

Totals totals index: 22.00

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: 247.87

Pres [hPa] of the Lifted Condensation Level: 890.37

Mean mixed layer potential temperature: 256.25

Mean mixed layer mixing ratio: 0.56

1000 hPa to 500 hPa thickness: 5203.00

Precipitable water [mm] for entire sounding: 3.17

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)
