

71867 YQD The Pas Observations at 12Z 26 Feb 2015

PRES hPa	HGHT m	TEMP C	DWPT C	RELH %	MIXR g/kg	DRCT deg	SKNT knot	THTA K	THTE K	THTV K
1001.0	274	-21.5	-26.4	65	0.45	290	8	251.6	252.8	251.7
1000.0	280	-21.7	-26.6	65	0.44	295	10	251.4	252.7	251.5
981.0	422	-20.3	-26.3	59	0.46	312	16	254.2	255.6	254.3
960.0	583	-16.5	-27.5	38	0.42	332	23	259.7	260.9	259.7
956.6	610	-16.4	-28.1	36	0.40	335	24	260.0	261.2	260.1
942.0	726	-15.9	-30.9	26	0.31	337	23	261.7	262.6	261.7
929.0	830	-15.9	-28.9	32	0.38	339	22	262.7	263.9	262.8
925.0	863	-16.1	-29.1	32	0.38	340	22	262.8	264.0	262.9
918.7	914	-16.3	-28.5	34	0.40	340	23	263.1	264.3	263.2
901.0	1060	-16.9	-26.9	42	0.47	338	23	264.0	265.4	264.1
882.1	1219	-17.4	-28.4	38	0.42	335	23	265.1	266.4	265.2
863.0	1383	-17.9	-29.9	34	0.37	341	24	266.2	267.4	266.3
850.0	1496	-17.7	-36.7	17	0.20	345	24	267.6	268.2	267.6
842.0	1567	-17.7	-36.7	17	0.20	345	24	268.3	268.9	268.4
812.9	1829	-18.8	-35.6	21	0.23	345	23	269.9	270.6	269.9
788.0	2061	-19.7	-34.7	25	0.26	353	26	271.3	272.1	271.4
780.3	2134	-20.3	-32.2	34	0.33	355	27	271.5	272.5	271.5
756.0	2367	-22.1	-24.4	82	0.71	347	26	271.9	274.1	272.1
751.0	2416	-21.9	-26.6	66	0.58	346	26	272.7	274.4	272.8
748.8	2438	-21.3	-39.5	18	0.17	345	26	273.5	274.1	273.6
748.0	2446	-21.1	-44.1	11	0.10	345	26	273.9	274.2	273.9
746.0	2466	-21.1	-42.1	13	0.13	345	26	274.1	274.5	274.1
720.0	2727	-22.5	-30.5	48	0.42	350	24	275.3	276.6	275.4
718.4	2743	-22.4	-33.1	37	0.33	350	24	275.6	276.6	275.6
710.0	2830	-21.9	-46.9	8	0.08	352	24	277.1	277.4	277.1
700.0	2934	-22.7	-37.7	24	0.21	355	23	277.3	278.0	277.4
694.0	2997	-23.3	-34.3	36	0.30	356	22	277.3	278.3	277.4
660.2	3353	-25.7	-38.2	30	0.22	0	19	278.6	279.3	278.6
632.5	3658	-27.8	-41.5	26	0.16	15	20	279.6	280.2	279.7
606.1	3962	-29.9	-44.9	22	0.12	5	35	280.7	281.1	280.7
580.7	4267	-32.0	-48.2	18	0.08	5	30	281.7	282.0	281.7
533.1	4877	-36.1	-54.9	13	0.04	15	34	283.7	283.9	283.7
529.0	4932	-36.5	-55.5	12	0.04	16	34	283.9	284.0	283.9
507.0	5225	-38.9	-43.9	59	0.15	23	33	284.4	285.0	284.4
500.0	5320	-39.5	-45.5	53	0.13	25	33	284.8	285.3	284.9
466.5	5791	-42.0	-46.3	63	0.13	35	38	287.5	287.9	287.5
462.0	5857	-42.3	-46.4	64	0.13	34	39	287.8	288.3	287.9
459.0	5901	-42.3	-52.3	33	0.07	33	40	288.4	288.6	288.4

454.0	5975	-42.7	-59.7	14	0.03	32	41	288.8	288.9	288.8
447.0	6079	-43.3	-51.3	41	0.08	30	43	289.3	289.6	289.3
445.9	6096	-43.3	-52.7	35	0.06	30	43	289.5	289.7	289.5
439.0	6201	-43.5	-61.5	12	0.02	31	43	290.6	290.6	290.6
420.0	6497	-45.5	-53.5	40	0.06	33	44	291.7	291.9	291.7
417.0	6544	-45.9	-56.9	28	0.04	33	44	291.8	291.9	291.8
400.0	6820	-47.7	-58.7	27	0.03	35	44	292.9	293.1	292.9
380.0	7157	-49.9	-62.9	20	0.02	35	47	294.3	294.4	294.4
362.0	7473	-51.9	-63.9	22	0.02	35	50	295.8	295.9	295.8
353.8	7620	-52.8	-65.3	21	0.02	35	51	296.5	296.5	296.5
325.0	8164	-56.3	-70.3	16	0.01	31	55	299.0	299.0	299.0
321.6	8230	-56.5	-70.8	15	0.01	30	56	299.6	299.6	299.6
300.0	8670	-57.9	-73.9	11	0.01	30	51	303.6	303.6	303.6
290.0	8884	-58.7	-74.7	11	0.01	30	51	305.4	305.5	305.4
278.3	9144	-59.0	-75.6	10	0.00	20	50	308.7	308.7	308.7
272.0	9287	-59.1	-76.1	9	0.00	22	48	310.5	310.5	310.5
265.1	9449	-58.4	-76.3	8	0.00	25	46	313.8	313.8	313.8
250.0	9820	-56.9	-76.9	6	0.00	10	43	321.4	321.4	321.4
249.0	9845	-56.5	-76.5	6	0.00	9	43	322.3	322.3	322.3
240.0	10079	-57.3	-80.3	4	0.00	4	45	324.5	324.5	324.5
219.0	10668	-53.9	-81.5	2	0.00	350	48	338.4	338.4	338.4
208.8	10973	-52.1	-82.2	2	0.00	355	41	345.8	345.8	345.8
201.0	11218	-50.7	-82.7	1	0.00	346	37	351.8	351.8	351.8
200.0	11250	-50.9	-82.9	1	0.00	345	36	352.0	352.0	352.0
199.1	11278	-51.0	-83.0	1	0.00	340	39	352.3	352.4	352.3
184.0	11790	-52.1	-84.1	1	0.00	340	38	358.5	358.6	358.5
175.0	12115	-51.1	-84.1	1	0.00	340	37	365.4	365.4	365.4
159.0	12734	-53.7	-85.7	1	0.00	340	35	371.1	371.1	371.1
157.3	12802	-53.3	-85.5	1	0.00	340	35	373.0	373.0	373.0
150.0	13110	-51.3	-84.3	1	0.00	325	43	381.5	381.5	381.5
143.2	13411	-51.6	-84.5	1	0.00	325	50	386.1	386.1	386.1
130.3	14021	-52.2	-84.8	1	0.00	335	44	395.6	395.6	395.6
107.9	15240	-53.3	-85.4	1	0.00	325	39	415.3	415.3	415.3
105.0	15415	-53.5	-85.5	1	0.00	323	40	418.2	418.2	418.2
100.0	15730	-52.1	-85.1	1	0.00	320	41	426.8	426.8	426.8
98.2	15850	-52.2	-85.1	1	0.00	320	41	428.9	428.9	428.9
93.7	16154	-52.3	-85.1	1	0.00	330	46	434.4	434.4	434.4
85.2	16764	-52.6	-85.2	1	0.00	315	42	445.6	445.6	445.6
70.7	17976	-53.3	-85.3	1	0.00	310	51	468.7	468.7	468.7
70.6	17983	-53.3	-85.3	1	0.00	310	51	468.9	468.9	468.9
70.0	18040	-53.1	-85.1	1	0.00	305	49	470.4	470.5	470.4
67.4	18288	-52.0	-85.0	1	0.00	325	44	478.0	478.0	478.0
64.8	18539	-50.9	-84.9	1	0.00	319	44	485.7	485.8	485.7
61.3	18898	-52.5	-85.5	1	0.00	310	45	489.9	489.9	489.9
58.5	19202	-53.9	-86.0	1	0.00	320	37	493.4	493.5	493.4
58.1	19242	-54.1	-86.1	1	0.00	319	38	493.9	493.9	493.9

53.2	19812	-52.2	-84.9	1	0.01	310	50	511.0	511.0	511.0
51.1	20069	-51.3	-84.3	1	0.01	316	47	518.9	519.0	518.9
50.0	20210	-52.3	-85.3	1	0.01	320	46	519.8	519.8	519.8
48.4	20422	-53.0	-85.8	1	0.01	325	43	523.0	523.0	523.0
46.1	20726	-54.1	-86.5	1	0.00	315	35	527.6	527.6	527.6
44.0	21031	-55.1	-87.2	1	0.00	295	41	532.3	532.3	532.3
43.2	21149	-55.5	-87.5	1	0.00	300	52	534.1	534.1	534.1
42.0	21336	-54.3	-86.8	1	0.01	310	53	541.6	541.6	541.6
38.4	21909	-50.5	-84.5	1	0.01	310	55	565.1	565.1	565.1
38.2	21946	-50.6	-84.5	1	0.01	310	55	565.8	565.9	565.8
36.4	22250	-51.1	-84.8	1	0.01	325	52	572.1	572.2	572.1
31.6	23174	-52.7	-85.7	1	0.01	310	36	591.5	591.6	591.5
30.2	23470	-52.0	-85.0	1	0.01	305	31	601.2	601.3	601.2
30.0	23510	-51.9	-84.9	1	0.01	305	34	602.5	602.6	602.5
28.8	23774	-51.6	-84.8	1	0.01	315	41	610.4	610.5	610.4
26.2	24384	-50.9	-84.5	1	0.01	295	38	629.0	629.1	629.0
25.0	24689	-50.6	-84.4	1	0.01	315	44	638.5	638.6	638.5
24.1	24931	-50.3	-84.3	1	0.01	305	42	646.1	646.2	646.1
22.8	25298	-51.1	-84.8	1	0.01	290	39	654.1	654.3	654.1
20.5	25980	-52.7	-85.7	1	0.01	306	30	669.4	669.5	669.4
20.0	26140	-49.7	-83.7	1	0.02	310	28	683.3	683.5	683.3
19.9	26173	-48.7	-82.7	1	0.02	310	27	687.3	687.5	687.3
19.8	26213	-48.9	-82.8	1	0.02	310	26	688.1	688.3	688.1
16.4	27432	-53.6	-85.7	1	0.02	290	31	710.6	710.8	710.6
16.2	27509	-53.9	-85.9	1	0.02	294	32	712.0	712.2	712.0
14.9	28042	-52.7	-85.3	1	0.02	325	39	732.9	733.1	732.9
14.2	28346	-52.0	-84.9	1	0.02	330	38	745.1	745.3	745.1
13.6	28651	-51.4	-84.6	1	0.02	320	35	757.5	757.7	757.5
13.0	28956	-50.7	-84.2	1	0.03	335	31	770.1	770.4	770.1
12.4	29261	-50.0	-83.9	1	0.03	325	31	782.9	783.2	782.9
12.1	29400	-49.7	-83.7	1	0.03	314	22	788.8	789.1	788.8
11.8	29566	-50.2	-84.0	1	0.03	300	12	792.8	793.1	792.8
11.3	29870	-51.1	-84.6	1	0.03	295	13	800.1	800.4	800.1
10.7	30175	-52.0	-85.2	1	0.03	295	27	807.5	807.8	807.5
10.5	30323	-52.5	-85.5	1	0.03	305	29	811.1	811.4	811.1
10.2	30480	-51.0	-84.5	1	0.03	315	32	822.2	822.6	822.3
10.0	30640	-49.5	-83.5	1	0.04	315	33	833.7	834.1	833.7
9.0	31336	-45.3	-80.3	1	0.07	306	43	875.3	876.2	875.3
8.9	31394	-45.6	-80.6	1	0.07	305	44	876.3	877.2	876.3
8.5	31715	-47.3	-82.3	1	0.05	330	41	881.9	882.6	881.9
8.5	31699	-47.2	-82.2	1	0.05	330	41	881.6	882.3	881.6
8.1	32004	-44.7	-80.5	1	0.08	330	41	903.2	904.2	903.2
7.8	32309	-41.9	-78.7	1	0.11	290	37	926.1	927.5	926.1
7.7	32377	-41.3	-78.3	1	0.11	292	38	931.2	932.8	931.3
7.0	33020	-43.9	-79.9	1	0.10	310	47	946.2	947.6	946.3
6.9	33116	-44.3	-80.3	1	0.09	311	48	948.5	949.8	948.5

6.5	33528	-42.4	-79.0	1	0.12	315	52	973.1	974.8	973.1
5.9	34138	-39.6	-77.2	1	0.18	295	51	1010.6	1013.2	1010.7
5.7	34413	-38.3	-76.3	1	0.21	301	60	1027.9	1031.1	1028.1
5.2	35052	-38.6	-75.8	1	0.25	315	81	1054.1	1057.9	1054.3
5.1	35177	-38.7	-75.7	1	0.26			1059.3	1063.3	1059.5

Station information and sounding indices

Station identifier: YQD
 Station number: 71867
 Observation time: 150226/1200
 Station latitude: 53.97
 Station longitude: -101.09
 Station elevation: 274.0
 Showalter index: 13.78
 Lifted index: 21.81
 LIFT computed using virtual temperature: 21.82
 SWEAT index: 81.02
 K index: -29.90
 Cross totals index: 2.80
 Vertical totals index: 21.80
 Totals totals index: 24.60
 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: 243.76
 Pres [hPa] of the Lifted Condensation Level: 829.63
 Mean mixed layer potential temperature: 257.16
 Mean mixed layer mixing ratio: 0.41
 1000 hPa to 500 hPa thickness: 5040.00
 Precipitable water [mm] for entire sounding: 1.47

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 \(lcoolman@uwyo.edu\)](mailto:Larry.Oolman@uwyo.edu)