71867 YQD The Pas Observations at 12Z 24 Jan 2014

PRES hPa	HGHT m	TEMP C	DWPT C	RELH %	MIXR g/kg	DRCT deg	SKNT knot	THTA K	THTE K	THTV K
1000.0	32									
970.0	274	-3.9	-5.5	89	2.63	0	9	271.6	278.9	272.0
966.2	305	-4.2	-5.7	89	2.61	335	20	271.7	278.9	272.1
929.4	610	-6.6	-7.2	95	2.40	325	25	272.2	278.9	272.6
925.0	647	-6.9	-7.4	96	2.38	325	26	272.2	278.9	272.6
893.7	914	-8.4	-8.8	97	2.21	315	26	273.4	279.7	273.8
859.3	1219	-10.0	-10.4	97	2.02	320	35	274.8	280.6	275.1
854.0	1267	-10.3	-10.7	97	1.99	323	37	275.0	280.7	275.3
850.0	1303	-9.9	-10.3	97	2.06	325	39	275.8	281.7	276.1
826.0	1524	-9.4	-13.1	74	1.69	330	46	278.6	283.6	278.9
823.0	1552	-9.3	-13.5	72	1.65	330	46	278.9	283.8	279.2
812.0	1657	-8.7	-11.0	83	2.04	328	46	280.7	286.7	281.0
794.0	1829	-9.8	-11.8	85	1.95	325	45	281.3	287.1	281.6
763.2	2134	-11.8	-13.3	88	1.80	325	44	282.4	287.7	282.7
758.0	2187	-12.1	-13.6	89	1.77	325	44	282.6	287.9	282.9
749.0	2279	-10.7	-11.8	92	2.08	325	44	285.0	291.3	285.4
733.6	2438	-11.4	-12.6	91	1.98	325	44	286.0	292.0	286.3
705.0	2743	-12.7	-14.2	89	1.82	315	53	287.8	293.4	288.1
705.0	2743	-12.7	-14.2	89	1.82	315	53	287.8	293.4	288.1
700.0	2797	-12.5	-13.8	90	1.89	315	52	288.6	294.4	288.9
698.0	2819	-12.3	-13.6	90	1.93	315	52	289.1	295.0	289.4
667.0	3166	-12.7	-14.2	89	1.92	317	57	292.4	298.4	292.7
624.6	3658	-15.3	-17.1	86	1.61	320	63	295.0	300.1	295.3
575.8	4267	-18.5	-20.7	83	1.29	330	70	298.2	302.4	298.4
530.8	4877	-21.7	-24.2	80	1.02	330	79	301.4	304.8	301.6
517.0	5074	-22.7	-25.4	79	0.94	328	82	302.4	305.6	302.6
504.0	5261	-21.7	-23.6	85	1.14	326	85	305.8	309.7	306.0
500.0	5320	-22.1	-24.3	82	1.08	325	86	306.0	309.7	306.2
461.0	5913	-26.3	-28.0	86	0.83	325	93	308.0	310.9	308.1
449.2	6096	-28.0	-29.9	83	0.71	325	95	308.1	310.6	308.3
412.2	6706	-33.5	-36.4	76	0.42	325	93	308.6	310.1	308.7
400.0	6920	-35.5	-38.6	73	0.34	325	99	308.8	310.0	308.8
390.0	7096	-37.3	-40.2	74	0.30	326	105	308.7	309.8	308.7
381.0	7257	-37.7	-41.2	70	0.27	327	111	310.2	311.2	310.2
361.4	7620	-39.3	-41.5	79	0.28	330	124	312.7	313.8	312.8
357.0	7704	-39.7	-41.6	82	0.28	330	126	313.3	314.4	313.4
352.0	7800	-40.5	-42.0	85	0.27	331	128	313.5	314.5	313.6
318.0	8484	-46.1	-48.5	76	0.15	335	143	315.0	315.6	315.0
315.6	8534	-46.3	-48.9	75	0.14	335	144	315.4	315.9	315.4
305.0	8761	-47.3	-50.5	70	0.12	335	144	317.1	317.6	317.1
300.0	8870	-48.1	-52.9	57	0.09	335	144	317.4	317.8	317.5
287.7	9144	-49.7	-57.1	41	0.06	335	144	318.9	319.2	318.9
285.0	9206	-50.1	-58.1	38	0.05	335	144	319.3	319.5	319.3
261.8	9754	-54.2	-60.6	45	0.04	330	146	321.1	321.3	321.1
257.0	9874	-55.1	-61.1	47	0.04	330	146	321.5	321.6	321.5
250.0	10050	-54.7	-61.7	42	0.04	330	153	324.6	324.8	324.6
249.7	10058	-54.6	-61.7	41	0.04	330	159	324.9	325.0	324.9
246.0	10153	-53.7	-61.7	37	0.04	330	159	327.6	327.8	327.6
245.0	10179	-53.8	-61.9	36	0.04	330	159	327.8	328.0	327.8
226.9	10668	-56.2	-66.0	28	0.02	330	135	331.4	331.5	331.4
225.0	10722	-56.5	-66.5	27	0.02	330	133	331.8	331.9	331.8

216.3	10973	-56.2	-69.2	18	0.02	330	121	336.1	336.1	336.1
200.0	11470	-55.5	-74.5	8	0.01	330	116	344.7	344.8	344.7
197.0	11567	-55.3	-75.3	7	0.01	334	115	346.5	346.6	346.5
196.5	11582	-55.1	-74.6	7	0.01	335	115	347.1	347.1	347.1
196.0	11599	-54.9	-73.9	8	0.01	335	114	347.7	347.7	347.7
190.0	11798	-55.9	-74.9	8	0.01	335	108	349.2	349.2	349.2
187.0	11899	-54.7	-73.7	8	0.01	335	105	352.7	352.7	352.7
182.0	12073	-55.1	-74.1	8	0.01	335	100	354.8	354.8	354.8
181.0	12108	-53.1	-73.1	7	0.01	335	98	358.6	358.7	358.6
174.0	12364	-51.3	-71.3	7	0.01	335	91	365.6	365.7	365.6
168.0	12592	-52.3	-73.3	6	0.01	335	83	367.6	367.7	367.7
162.7	12802	-51.1	-72.7	6	0.01	335	77	373.0	373.1	373.0
159.0	12950	-50.3	-72.3	6	0.01	335	80	376.9	376.9	376.9
150.0	13330	-51.9	-72.9	6	0.01	335	89	380.4	380.5	380.4
149.0	13373	-52.1	-73.1	6	0.01	335	90	380.8	380.9	380.8
142.0	13685	-50.5	-71.5	7	0.02	335	96	388.9	389.0	388.9
141.3	13716	-50.7	-71.7	7	0.02	335	97	389.1	389.2	389.1
131.0	14206	-53.7	-74.7	6	0.01	335	90	392.2	392.3	392.2
123.0	14613	-50.7	-72.7	6	0.02	335	85	404.8	404.9	404.8
117.0	14938	-50.3	-71.3	7	0.02	335	80	411.4	411.5	411.4
111.7	15240	-50.4	-71.7	6	0.02	335	76	416.6	416.8	416.6
101.7	15850	-50.7	-72.5	6	0.02	345	60	427.5	427.6	427.5
100.0	15960	-50.7	-72.7	6	0.02	345	60	429.5	429.6	429.5
90.5	16609	-52.7	-73.7	6	0.02	340	66	437.9	438.1	437.9
81.3	17302	-53.2	-74.2	6	0.02	335	73	450.5	450.6	450.5
80.4	17374	-53.3	-74.3	6	0.02	335	73	451.8	452.0	451.9
76.4	17704	-53.5	-74.5	6	0.02	335	72	458.0	458.1	458.0
70.0	18270	-52.5	-74.5	5	0.02	335	69	471.7	471.9	471.7
56.3	19684	-48.9	-71.9	5	0.04	344	70	510.2	510.5	510.2
55.2	19812	-49.0	-72.0	5	0.04	345	70	512.8	513.1	512.8
52.7	20117	-49.2	-72.2	5	0.04	355	66	519.1	519.5	519.2
50.0	20460	-49.5	-72.5	5	0.04	345	59	526.4	526.7	526.4
48.0	20726	-49.9	-72.7	5	0.04	345	54	531.6	531.9	531.6
43.7	21336	-50.8	-73.1	5	0.04	355	54	543.8	544.1	543.8
41.7	21641	-51.2	-73.4	5	0.04	0	54	550.0	550.3	550.0
40.5	21839	-51.5	-73.5	6	0.05	354	48	554.0	554.4	554.0
39.8	21946	-51.4	-73.5	5	0.05	350	44	556.9	557.2	556.9
38.0	22250	-51.2	-73.6	5	0.05	335	49	565.0	565.3	565.0
33.1	23165	-50.4	-73.8	5	0.05	340	62	590.0	590.4	590.0
31.6	23470	-50.2	-73.8	4	0.06	355	60	598.6	599.0	598.6
30.0	23800	-49.9	-73.9	4	0.06	345	55	608.0	608.5	608.0
26.2	24689	-48.3	-73.4	4	0.07	345	52	636.4	637.1	636.5
23.9	25298	-47.2	-73.0	4	0.08	355	44	656.6	657.4	656.7
23.2	25489	-46.9	-72.9	4	0.09	353	39	663.1	663.9	663.1
21.8	25908	-49.2	-75.2	3	0.06	350	28	668.4	669.0	668.4
20.8	26205	-50.9	-76.9	3	0.05	355	36	672.0	672.6	672.1
20.0	26460	-50.7	-76.7	3	0.06	345	37	680.2	680.8	680.2
19.0	26794	-51.5	-78.5	3	0.04	340	40	687.8	688.2	687.8
17.2	27432	-47.4	-76.0	2	0.07	330	47	720.2	721.0	720.2
16.8	27603	-46.3	-75.3	2	0.08	333	49	729.1	730.0	729.1
16.5	27737	-46.6	-75.9	2	0.08	335	51	732.4	733.2	732.5
14.3	28651	-48.5	-79.8	1	0.05	0	43	755.4	755.9	755.4
13.6	28999	-49.3	-81.3	1	0.04	354	41	764.2	764.7	764.3
13.1	29261	-48.6	-80.9	1	0.04	350	39	775.5	776.0	775.5
12.5	29566	-47.7	-80.4	1	0.05	355	32	788.7	789.3	788.7
11.9	29870	-46.9	-79.9	1	0.06	350	34	802.1	802.8	802.1
10.9	30480	-45.2	-79.0	1	0.07	0	47	829.6	830.5	829.7
10.6	30651	-44.7	-78.7	1	0.08	0	47	837.5	838.5	837.5

10.0	31040	-45.5	-79.5	1	0.07	0	46	848.6	849.5	848.6
9.1	31699	-47.5	-80.5	1	0.07	350	41	865.3	866.2	865.3
8.6	32004	-48.5	-80.9	1	0.07	5	37	873.1	874.0	873.1
8.3	32309	-49.0	-81.2	1	0.07	355	41	882.6	883.5	882.6
8.3	32273	-49.3	-81.3	1	0.07	356	41	880.0	880.9	880.1
7.9	32614	-46.5	-80.5	1	0.08	350	26	904.1	905.1	904.1
7.9	32599	-46.5	-80.5	1	0.08	350	27	903.7	904.8	903.8
7.5	32918	-47.5	-81.0	1	0.08	340	38	912.0	913.1	912.1
7.2	33223	-48.4	-81.5	1	0.07	345	52	920.8	921.8	920.8
7.2	33213	-48.5	-81.5	1	0.07	345	52	919.8	920.8	919.9
7.0	33400	-45.7	-80.7	1	0.09	350	52	938.8	940.0	938.9
6.9	33528	-45.4	-80.4	1	0.09	0	52	945.0	946.3	945.1
6.3	34138	-44.2	-79.2	1	0.12	355	47	975.3	977.1	975.4
6.0	34442	-43.5	-78.5	1	0.14	15	43	990.8	992.8	990.9
5.8	34659	-43.1	-78.1	1	0.16			1001.9	1004.2	1002.0

Station information and sounding indices

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                          Station identifier: YQD
                              Station number: 71867
                            Observation time: 140124/1200
                            Station latitude: 53.96
                           Station longitude: -101.10
                           Station elevation: 274.0
                             Showalter index: 20.47
                                Lifted index: 22.62
    LIFT computed using virtual temperature: 22.77
                                 SWEAT index: 164.01
                                     K index: 0.60
                            Cross totals index: 11.80
                        Vertical totals index: 12.20
                          Totals totals index: 24.00
      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: 266.19
Pres [hPa] of the Lifted Condensation Level: 926.52
     Mean mixed layer potential temperature: 272.08
                Mean mixed layer mixing ratio: 2.46
                1000 hPa to 500 hPa thickness: 5288.00
Precipitable water [mm] for entire sounding: 9.77
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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)
