

71925 YCB Cambridge Bay 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
1015.0	25	-34.9	-38.4	70	0.14	350	16	237.2	237.6	237.3
1000.0	131	-29.9	-34.0	67	0.22	10	21	243.2	243.9	243.3
998.0	145	-29.3	-33.5	67	0.23	10	21	244.0	244.6	244.0
976.2	305	-26.6	-31.3	64	0.29	10	21	248.2	249.1	248.3
964.0	395	-25.1	-30.1	63	0.33	3	22	250.7	251.6	250.7
936.0	610	-25.2	-30.2	63	0.33	345	24	252.6	253.6	252.7
925.0	696	-25.3	-30.3	63	0.34	345	23	253.4	254.4	253.5
897.6	914	-24.9	-30.6	59	0.34	345	24	256.1	257.1	256.1
889.0	984	-24.7	-30.7	57	0.34	346	24	256.9	257.9	257.0
860.6	1219	-25.9	-31.9	57	0.31	350	25	258.1	259.1	258.2
850.0	1309	-26.3	-32.3	57	0.30	350	27	258.6	259.5	258.6
831.0	1472	-26.5	-31.0	66	0.35	352	30	260.1	261.1	260.1
822.0	1551	-26.1	-33.1	52	0.29	352	31	261.3	262.1	261.3
801.0	1738	-26.7	-31.4	64	0.35	354	34	262.6	263.6	262.6
791.0	1829	-27.0	-31.8	63	0.34	355	36	263.2	264.2	263.3
780.0	1930	-27.3	-32.3	62	0.33	353	36	263.9	264.9	264.0
766.0	2061	-27.3	-30.4	75	0.40	351	37	265.3	266.5	265.4
758.2	2134	-27.2	-30.6	73	0.40	350	37	266.2	267.4	266.2
748.0	2232	-27.1	-30.9	70	0.39	348	37	267.3	268.5	267.4
728.0	2427	-28.1	-32.6	65	0.34	345	38	268.3	269.4	268.4
726.9	2438	-28.1	-32.6	65	0.34	345	38	268.4	269.4	268.4
700.0	2708	-29.1	-33.5	66	0.33	350	41	270.2	271.2	270.3
696.6	2743	-29.3	-32.9	71	0.35	350	42	270.4	271.5	270.4
693.0	2780	-29.5	-32.3	77	0.37	350	43	270.6	271.7	270.6
685.0	2862	-29.3	-43.3	25	0.12	349	44	271.7	272.1	271.7
672.0	2999	-29.5	-42.5	27	0.14	348	47	272.9	273.4	273.0
665.0	3074	-29.7	-49.7	13	0.06	347	48	273.6	273.8	273.6
655.0	3181	-30.5	-43.5	27	0.12	346	51	273.8	274.2	273.9
639.3	3353	-31.2	-43.5	29	0.13	345	54	274.9	275.4	274.9
633.0	3423	-31.5	-43.5	30	0.13	345	54	275.4	275.8	275.4
612.3	3658	-32.3	-46.8	22	0.09	345	54	277.1	277.4	277.1
608.0	3708	-32.5	-47.5	21	0.09	345	54	277.4	277.7	277.4
597.0	3836	-32.9	-40.9	45	0.18	344	55	278.4	279.0	278.4
581.0	4026	-34.1	-40.1	55	0.20	342	56	279.2	279.8	279.2
561.3	4267	-35.9	-40.5	62	0.20	340	57	279.8	280.5	279.9
557.0	4320	-36.3	-40.6	64	0.20	340	57	279.9	280.6	280.0
513.5	4877	-40.1	-48.6	39	0.09	340	57	282.0	282.3	282.0
500.0	5060	-41.3	-51.3	33	0.07	340	56	282.6	282.9	282.6
496.0	5115	-41.7	-53.7	26	0.05	340	56	282.8	283.0	282.8
467.0	5521	-44.9	-52.9	40	0.06	340	57	283.7	283.9	283.7
455.0	5695	-45.5	-58.5	22	0.03	340	58	285.1	285.2	285.1
448.5	5791	-45.8	-59.4	20	0.03	340	58	285.8	285.9	285.9
428.3	6096	-46.9	-62.2	16	0.02	340	58	288.3	288.3	288.3
400.0	6550	-48.5	-66.5	11	0.01	345	58	291.9	291.9	291.9
384.0	6818	-49.7	-70.7	7	0.01	340	63	293.7	293.8	293.7
355.8	7315	-50.2	-72.1	6	0.01	345	65	299.6	299.6	299.6
339.6	7620	-50.4	-72.9	5	0.01	340	67	303.2	303.2	303.2
325.0	7907	-50.7	-73.7	5	0.01	340	70	306.7	306.7	306.7
300.0	8430	-49.3	-77.3	2	0.00	340	75	315.8	315.8	315.8
269.2	9144	-48.5	-80.0	1	0.00	335	74	326.9	326.9	326.9
257.0	9449	-48.1	-81.2	1	0.00	330	73	331.8	331.8	331.8
250.0	9630	-47.9	-81.9	1	0.00	330	74	334.7	334.7	334.7
247.0	9710	-47.3	-82.3	1	0.00	330	75	336.8	336.8	336.8

217.0	10563	-48.9	-82.9	1	0.00	334	85	347.0	347.0	347.0
213.6	10668	-48.5	-82.8	1	0.00	335	86	349.1	349.1	349.1
204.0	10969	-47.5	-82.5	1	0.00	335	85	355.4	355.4	355.4
200.0	11100	-48.1	-82.1	1	0.00	335	85	356.4	356.4	356.4
193.0	11335	-48.9	-82.9	1	0.00	335	86	358.8	358.8	358.8
188.0	11508	-47.5	-82.5	1	0.00	335	87	363.8	363.8	363.8
173.0	12056	-48.3	-82.3	1	0.00	335	90	371.2	371.2	371.2
161.8	12497	-47.5	-81.9	1	0.00	335	92	379.7	379.8	379.7
150.0	13000	-46.5	-81.5	1	0.00	330	88	389.7	389.8	389.7
147.6	13106	-46.8	-81.6	1	0.00	335	84	391.1	391.1	391.1
130.0	13946	-48.7	-82.7	1	0.00	335	94	402.1	402.1	402.1
125.0	14205	-47.5	-82.5	1	0.00	335	97	408.8	408.8	408.8
114.0	14813	-48.2	-82.5	1	0.00	335	104	418.3	418.3	418.3
111.9	14935	-48.4	-82.5	1	0.00	335	104	420.2	420.3	420.2
110.0	15049	-48.5	-82.5	1	0.00	335	101	422.1	422.1	422.1
107.0	15232	-47.1	-82.1	1	0.00	335	96	428.1	428.1	428.1
106.9	15240	-47.1	-82.1	1	0.00	335	96	428.2	428.2	428.2
102.1	15545	-47.4	-82.4	1	0.00	335	98	433.4	433.4	433.4
100.0	15680	-47.5	-82.5	1	0.00	335	98	435.7	435.7	435.7
94.3	16067	-48.9	-82.9	1	0.00	335	97	440.3	440.3	440.3
85.6	16704	-47.5	-82.5	1	0.01	335	96	455.4	455.5	455.4
77.3	17374	-50.1	-84.4	1	0.00	335	95	463.6	463.6	463.6
74.2	17641	-51.1	-85.1	1	0.00	335	99	466.9	466.9	466.9
70.0	18020	-51.1	-85.1	1	0.00	335	108	474.7	474.7	474.7
67.4	18266	-51.9	-84.9	1	0.00	335	110	478.1	478.2	478.1
64.8	18522	-51.6	-84.7	1	0.00	335	113	484.2	484.3	484.2
64.1	18593	-51.5	-84.7	1	0.00	335	113	485.9	486.0	486.0
61.2	18898	-51.1	-84.4	1	0.01	340	102	493.4	493.4	493.4
50.2	20184	-49.5	-83.5	1	0.01	335	106	525.8	525.8	525.8
50.0	20210	-49.5	-83.5	1	0.01	335	106	526.4	526.4	526.4
46.7	20654	-51.7	-84.7	1	0.01	338	109	531.5	531.5	531.5
44.1	21031	-50.0	-83.5	1	0.01	340	112	544.5	544.6	544.5
42.1	21336	-48.5	-82.6	1	0.01	340	105	555.3	555.4	555.3
38.1	21990	-45.5	-80.5	1	0.02	332	98	579.0	579.2	579.1
35.0	22555	-46.6	-81.2	1	0.02	325	92	590.6	590.7	590.6
30.0	23570	-48.5	-82.5	1	0.01	330	101	611.8	612.0	611.8
29.1	23774	-48.8	-82.8	1	0.01	335	104	616.4	616.5	616.4
23.5	25172	-51.1	-85.1	1	0.01	332	100	648.4	648.5	648.4
21.3	25816	-48.7	-82.7	1	0.02	331	98	674.1	674.3	674.1
20.0	26230	-49.7	-83.7	1	0.02	330	97	683.3	683.5	683.3
17.4	27127	-50.1	-84.1	1	0.02	340	96	709.4	709.6	709.4
16.6	27432	-50.2	-84.2	1	0.02	340	101	718.5	718.7	718.5
16.2	27607	-50.3	-84.3	1	0.02	337	104	723.7	724.0	723.7
15.2	28042	-48.0	-82.6	1	0.03	330	112	745.2	745.5	745.2
13.3	28914	-43.3	-79.3	1	0.06	330	104	789.8	790.4	789.8
11.5	29870	-45.3	-80.6	1	0.05	330	95	815.5	816.1	815.5
10.9	30245	-46.1	-81.1	1	0.05	333	96	825.8	826.4	825.8
10.5	30480	-45.4	-80.8	1	0.06	335	96	836.8	837.5	836.9
10.0	30820	-44.3	-80.3	1	0.06	335	99	853.1	853.9	853.1
9.9	30887	-43.3	-79.3	1	0.08	334	100	859.2	860.2	859.3
9.6	31090	-43.7	-79.6	1	0.07	330	104	865.2	866.2	865.3
9.2	31394	-44.3	-79.9	1	0.07	345	90	874.3	875.2	874.3
8.4	32004	-45.5	-80.7	1	0.07	335	86	892.7	893.6	892.7
8.0	32312	-46.1	-81.1	1	0.07	332	88	902.1	903.0	902.1
7.0	33200	-45.3	-80.3	1	0.09	325	95	940.5	941.7	940.5
6.9	33296	-45.5	-80.5	1	0.09	325	97	943.5	944.8	943.5
6.7	33528	-43.8	-79.3	1	0.11	325	101	960.1	961.7	960.2
6.5	33697	-42.5	-78.5	1	0.13	325	99	972.4	974.3	972.5
5.6	34747	-45.5	-80.8	1	0.11	325	85	1004.0	1005.6	1004.0
5.3	35052	-46.3	-81.4	1	0.10	330	93	1013.3	1014.8	1013.4
5.2	35189	-46.7	-81.7	1	0.10			1017.5	1019.0	1017.6

Station information and sounding indices

Station identifier: YCB
Station number: 71925
Observation time: 140124/1200
Station latitude: 69.13
Station longitude: -105.06
Station elevation: 25.0
Showalter index: 19.05
Lifted index: 28.98
LIFT computed using virtual temperature: 28.99
SWEAT index: 110.00
K index: -21.70
Cross totals index: 9.00
Vertical totals index: 15.00
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: 239.94
Pres [hPa] of the Lifted Condensation Level: 908.81
Mean mixed layer potential temperature: 246.63
Mean mixed layer mixing ratio: 0.27
1000 hPa to 500 hPa thickness: 4929.00
Precipitable water [mm] for entire sounding: 1.40

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)
