

71915 YZS Coral Harbour 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
1006.0	57	-36.3	-40.2	67	0.12	20	6	236.4	236.8	236.5
1005.0	64	-36.1	-41.1	60	0.11	22	6	236.7	237.0	236.7
1004.0	71	-31.1	-34.3	73	0.21	23	5	241.8	242.4	241.8
1003.0	78	-30.3	-32.6	80	0.25	25	5	242.6	243.3	242.7
1000.0	99	-30.1	-32.6	79	0.25	30	3	243.1	243.8	243.1
983.0	222	-28.1	-31.4	73	0.28	321	5	246.2	247.1	246.3
971.7	305	-28.4	-31.3	76	0.29	275	7	246.8	247.6	246.8
942.0	527	-29.1	-30.9	84	0.31	264	6	248.2	249.1	248.3
931.2	610	-28.5	-30.8	81	0.32	260	5	249.7	250.6	249.8
925.0	658	-28.1	-30.7	78	0.32	260	4	250.6	251.5	250.6
919.0	705	-27.9	-30.7	77	0.32	259	4	251.2	252.2	251.3
911.0	767	-28.3	-30.9	78	0.32	258	3	251.5	252.4	251.5
892.5	914	-28.1	-30.8	78	0.33	255	2	253.1	254.1	253.2
873.0	1073	-27.9	-30.6	78	0.35	310	1	254.9	256.0	255.0
855.4	1219	-28.4	-30.9	79	0.34	0	1	256.0	257.0	256.0
850.0	1264	-28.5	-31.0	79	0.34	0	0	256.3	257.3	256.3
819.5	1524	-29.4	-31.9	78	0.32	160	1	258.1	259.0	258.1
785.0	1829	-30.4	-33.0	77	0.30	0	1	260.1	261.1	260.2
752.0	2134	-31.4	-34.1	77	0.28	280	1	262.3	263.1	262.3
720.5	2438	-32.4	-35.3	76	0.27	70	5	264.4	265.2	264.4
700.0	2643	-33.1	-36.0	75	0.25	0	0	265.8	266.6	265.8
690.1	2743	-33.4	-36.6	73	0.24	0	1	266.6	267.3	266.6
674.0	2909	-33.9	-37.5	70	0.23	10	2	267.8	268.5	267.8
605.0	3658	-37.8	-41.0	73	0.18	55	4	271.6	272.2	271.7
591.0	3821	-38.7	-41.7	73	0.17	43	5	272.5	273.0	272.5
574.0	4021	-38.3	-43.3	59	0.15	28	7	275.2	275.7	275.2
553.8	4267	-40.0	-43.7	68	0.14	10	9	276.0	276.5	276.0
542.0	4414	-41.1	-43.9	74	0.14	11	9	276.4	276.9	276.4
510.0	4826	-42.5	-45.4	73	0.13	15	11	279.6	280.0	279.6
506.2	4877	-42.4	-46.4	65	0.12	15	11	280.3	280.7	280.3
503.0	4920	-42.3	-47.2	59	0.11	10	10	280.9	281.3	280.9
500.0	4960	-42.5	-47.2	60	0.11	5	10	281.2	281.6	281.2
491.0	5083	-43.1	-47.3	63	0.11	2	14	281.9	282.3	281.9
483.8	5182	-43.5	-47.7	63	0.11	0	17	282.6	283.0	282.6
421.9	6096	-47.0	-51.3	61	0.08	15	19	289.4	289.7	289.4
407.0	6335	-47.9	-52.3	60	0.07	12	20	291.2	291.5	291.2
400.0	6450	-47.7	-53.7	50	0.06	10	21	292.9	293.2	292.9
394.0	6550	-48.1	-57.1	35	0.04	4	20	293.7	293.8	293.7

387.0	6668	-48.1	-58.1	30	0.04	357	19	295.2	295.3	295.2
384.8	6706	-48.2	-60.1	24	0.03	355	19	295.5	295.6	295.5
381.0	6771	-48.5	-63.5	16	0.02	356	20	296.0	296.1	296.0
365.0	7053	-50.7	-66.7	13	0.01	359	22	296.7	296.7	296.7
334.3	7620	-52.7	-69.6	11	0.01	5	27	301.5	301.6	301.5
318.9	7925	-53.7	-71.1	10	0.01	5	22	304.1	304.2	304.1
300.0	8320	-55.1	-73.1	9	0.01	350	21	307.6	307.6	307.6
285.0	8646	-56.7	-76.7	6	0.00	335	21	309.8	309.8	309.8
276.4	8839	-56.7	-77.3	6	0.00	340	21	312.5	312.6	312.5
272.0	8942	-56.7	-77.7	5	0.00	332	21	314.0	314.0	314.0
263.5	9144	-55.4	-77.9	4	0.00	315	21	318.7	318.7	318.7
255.0	9353	-54.1	-78.1	4	0.00	308	26	323.7	323.7	323.7
251.2	9449	-54.5	-80.1	3	0.00	305	28	324.4	324.4	324.4
250.0	9480	-54.7	-80.7	3	0.00	310	25	324.6	324.6	324.6
236.0	9848	-54.9	-82.9	2	0.00	310	29	329.7	329.7	329.7
219.0	10328	-53.5	-82.5	2	0.00	310	35	339.0	339.0	339.0
217.8	10363	-53.5	-82.7	2	0.00	310	35	339.4	339.4	339.4
207.7	10668	-54.0	-84.7	1	0.00	295	37	343.4	343.4	343.4
200.0	10910	-54.3	-86.3	1	0.00	300	37	346.6	346.6	346.6
198.0	10975	-54.7	-86.7	1	0.00	300	38	347.0	347.0	347.0
156.5	12497	-51.6	-85.3	1	0.00	300	57	376.3	376.3	376.3
150.0	12770	-51.1	-85.1	1	0.00	295	56	381.8	381.8	381.8
149.3	12802	-51.0	-85.0	1	0.00	295	54	382.6	382.6	382.6
148.0	12857	-50.7	-84.7	1	0.00	295	54	384.0	384.0	384.0
137.0	13357	-52.1	-85.1	1	0.00	298	58	390.1	390.1	390.1
107.4	14935	-50.4	-84.2	1	0.00	305	69	421.4	421.4	421.4
106.0	15022	-50.3	-84.1	1	0.00	305	69	423.1	423.2	423.1
102.5	15240	-50.1	-84.0	1	0.00	300	70	427.7	427.7	427.7
100.0	15400	-49.9	-83.9	1	0.00	300	70	431.0	431.1	431.0
91.0	16015	-51.3	-84.3	1	0.00	303	66	440.0	440.1	440.0
85.0	16459	-49.0	-82.9	1	0.00	305	63	453.2	453.3	453.2
84.2	16523	-48.7	-82.7	1	0.01	305	64	455.2	455.2	455.2
75.6	17233	-47.9	-81.9	1	0.01	305	72	471.1	471.1	471.1
70.0	17740	-48.3	-82.3	1	0.01	305	78	480.7	480.7	480.7
67.5	17983	-47.4	-81.8	1	0.01	300	80	487.8	487.8	487.8
66.7	18060	-47.1	-81.6	1	0.01	300	80	490.0	490.1	490.0
64.2	18312	-46.1	-81.1	1	0.01	302	77	497.5	497.6	497.5
56.1	19202	-49.3	-83.4	1	0.01	310	68	509.7	509.8	509.7
55.7	19250	-49.5	-83.5	1	0.01	308	67	510.4	510.4	510.4
53.6	19507	-48.4	-83.0	1	0.01	300	64	518.8	518.8	518.8
52.4	19651	-47.7	-82.7	1	0.01	302	64	523.5	523.6	523.5
50.0	19960	-48.9	-82.9	1	0.01	305	64	527.8	527.9	527.8
44.5	20726	-49.7	-83.4	1	0.01	320	66	543.7	543.8	543.7
40.5	21336	-50.4	-83.8	1	0.01	310	62	556.8	556.8	556.8
34.7	22348	-51.5	-84.5	1	0.01	310	55	579.0	579.1	579.0
33.6	22555	-50.9	-84.1	1	0.01	310	54	585.9	586.0	585.9

30.6	23165	-49.1	-83.0	1	0.01	315	67	606.6	606.7	606.6
30.0	23300	-48.7	-82.7	1	0.01	320	64	611.3	611.4	611.3
26.4	24147	-46.5	-81.5	1	0.02	316	56	640.2	640.4	640.2
25.5	24384	-47.4	-82.2	1	0.02	315	54	644.2	644.4	644.2
23.2	24994	-49.8	-84.0	1	0.01	330	46	654.5	654.7	654.5
22.4	25230	-50.7	-84.7	1	0.01	330	48	658.5	658.7	658.6
21.2	25603	-51.1	-84.4	1	0.02	310	50	668.1	668.2	668.1
20.7	25745	-51.3	-84.3	1	0.02	319	53	671.8	671.9	671.8
20.2	25908	-50.0	-83.7	1	0.02	330	56	680.5	680.7	680.5
20.0	25970	-49.5	-83.5	1	0.02	325	56	683.9	684.1	683.9
19.4	26170	-48.5	-82.5	1	0.02	326	58	693.0	693.2	693.0
17.1	26995	-50.9	-84.9	1	0.02	329	64	710.7	710.9	710.7
16.8	27127	-50.4	-84.6	1	0.02	330	65	716.4	716.6	716.4
16.0	27432	-49.3	-83.8	1	0.02	335	52	729.5	729.8	729.5
14.6	28042	-47.1	-82.2	1	0.03	330	56	756.5	756.8	756.5
13.3	28651	-44.9	-80.7	1	0.04	350	62	784.3	784.8	784.3
13.0	28804	-44.3	-80.3	1	0.05	355	55	791.5	792.0	791.5
12.7	28956	-44.5	-80.5	1	0.05	0	49	795.8	796.4	795.8
12.1	29261	-45.0	-80.8	1	0.05	355	26	804.5	805.1	804.6
11.6	29566	-45.5	-81.1	1	0.05	335	24	813.4	814.0	813.4
10.6	30175	-46.5	-81.7	1	0.05	320	32	831.4	832.0	831.4
10.1	30480	-47.0	-82.0	1	0.05	335	37	840.5	841.1	840.5
10.0	30550	-47.1	-82.1	1	0.05	335	39	842.6	843.2	842.6
9.2	31090	-47.9	-82.5	1	0.05	345	50	859.5	860.1	859.5
8.4	31699	-48.9	-83.0	1	0.05	340	58	878.9	879.5	878.9
8.2	31855	-49.1	-83.1	1	0.05	340	51	883.9	884.5	883.9
8.0	32004	-48.5	-82.7	1	0.05	340	45	892.1	892.8	892.1
7.3	32622	-45.9	-80.9	1	0.08	5	58	926.8	927.9	926.8
7.3	32614	-45.9	-80.9	1	0.08	5	58	926.4	927.5	926.4
7.0	32918	-46.5	-81.5	1	0.08	350	43	936.2	937.2	936.2
7.0	32900	-46.5	-81.5	1	0.07	355	44	935.5	936.5	935.5
6.7	33223	-46.6	-81.6	1	0.08	330	47	948.0	949.1	948.1
6.4	33528	-46.8	-81.8	1	0.08	340	54	960.0	961.1	960.0
5.7	34261	-47.1	-82.1	1	0.08	336	62	989.4	990.7	989.5
5.5	34442	-45.8	-80.8	1	0.11	335	64	1002.9	1004.5	1003.0
5.4	34621	-44.5	-79.5	1	0.13			1016.4	1018.4	1016.5

Station information and sounding indices

Station identifier: YZS

Station number: 71915

Observation time: 150209/1200

Station latitude: 64.20

Station longitude: -83.36

Station elevation: 57.0

Showalter index: 19.65
 Lifted index: 28.13
LIFT computed using virtual temperature: 28.15
 SWEAT index: 10.00
 K index: -19.90
 Cross totals index: 11.50
 Vertical totals index: 14.00
 Totals totals index: 25.50
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: 241.00
Pres [hPa] of the Lifted Condensation Level: 929.31
Mean mixed layer potential temperature: 246.13
 Mean mixed layer mixing ratio: 0.28
 1000 hPa to 500 hPa thickness: 4861.00
Precipitable water [mm] for entire sounding: 1.44

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)
