

71603 YQI Yarmouth Observations at 00Z 24 Jul 2015

PRES hPa	HGHT m	TEMP C	DWPT C	RELH %	MIXR g/kg	DRCT deg	SKNT knot	THTA K	THTE K	THTV K
1008.0	9	16.4	14.0	86	10.06	230	8	288.9	317.3	290.6
1000.0	78	15.2	13.5	90	9.81	255	15	288.4	316.0	290.1
994.0	129	17.0	14.2	84	10.34	258	17	290.6	320.0	292.5
975.0	294	17.8	10.8	64	8.41	269	22	293.1	317.4	294.6
973.8	305	17.7	10.8	64	8.41	270	22	293.1	317.4	294.6
939.5	610	15.8	10.2	69	8.40	285	21	294.2	318.6	295.7
925.0	743	15.0	10.0	72	8.40	280	19	294.6	319.1	296.1
906.3	914	13.6	9.6	77	8.32	290	18	294.9	319.1	296.4
874.0	1219	11.0	8.8	86	8.18	295	15	295.3	319.1	296.7
855.0	1403	9.4	8.3	93	8.10	283	14	295.5	319.1	296.9
850.0	1452	9.2	7.6	90	7.76	280	14	295.8	318.5	297.1
842.6	1524	8.8	7.0	88	7.52	280	14	296.1	318.2	297.5
812.0	1829	7.3	4.6	83	6.59	300	18	297.6	317.2	298.8
782.4	2134	5.7	2.2	78	5.76	290	23	299.1	316.4	300.1
759.0	2385	4.4	0.2	74	5.14	298	20	300.3	315.9	301.2
754.0	2438	4.0	0.5	78	5.27	300	19	300.4	316.4	301.4
745.0	2536	3.2	0.9	85	5.51	300	19	300.6	317.3	301.6
726.2	2743	2.8	-2.3	69	4.48	300	20	302.4	316.2	303.2
707.0	2961	2.4	-5.6	56	3.58	285	20	304.2	315.5	304.9
700.0	3041	1.6	-5.4	60	3.67	280	20	304.2	315.8	304.9
699.4	3048	1.5	-5.4	60	3.67	280	20	304.2	315.8	304.9
676.0	3321	-0.7	-6.7	64	3.44	280	20	304.7	315.6	305.3
673.3	3353	-0.9	-7.0	64	3.39	280	20	304.8	315.5	305.4
647.8	3658	-3.0	-9.4	62	2.92	295	12	305.8	315.1	306.3
623.3	3962	-5.2	-11.8	60	2.50	270	17	306.7	314.9	307.2
599.7	4267	-7.3	-14.2	58	2.14	280	20	307.7	314.7	308.1
593.0	4356	-7.9	-14.9	57	2.04	281	21	308.0	314.7	308.3
587.0	4435	-7.9	-14.9	57	2.06	281	22	308.9	315.7	309.2
554.5	4877	-9.4	-21.9	35	1.20	285	27	312.2	316.3	312.4
552.0	4912	-9.5	-22.5	34	1.14	284	27	312.4	316.4	312.6
530.0	5225	-11.9	-21.9	43	1.26	276	28	313.2	317.6	313.4
512.2	5486	-13.2	-25.5	35	0.94	270	28	314.7	318.0	314.9
500.0	5670	-14.1	-28.1	30	0.76	275	33	315.8	318.5	315.9
480.0	5978	-16.5	-32.5	24	0.52	271	37	316.5	318.4	316.6
476.0	6041	-16.9	-28.9	35	0.74	271	37	316.8	319.5	316.9
472.5	6096	-17.3	-29.6	33	0.70	270	38	316.9	319.4	317.1
433.0	6744	-22.5	-38.5	22	0.32	273	39	318.4	319.6	318.4
424.0	6897	-23.7	-35.7	32	0.43	273	39	318.8	320.4	318.8
400.0	7320	-27.1	-42.1	23	0.24	275	40	319.7	320.6	319.7
383.5	7620	-29.1	-49.9	12	0.10	270	46	321.0	321.4	321.0
372.0	7838	-30.5	-55.5	7	0.06	270	52	321.9	322.1	321.9
367.4	7925	-31.2	-51.3	12	0.09	270	55	322.0	322.4	322.0
361.0	8049	-32.3	-45.3	26	0.19	269	55	322.2	323.0	322.3
353.0	8206	-33.7	-51.7	15	0.09	268	55	322.4	322.8	322.4
343.0	8406	-35.5	-48.5	25	0.14	266	56	322.6	323.2	322.7
340.0	8467	-35.9	-43.9	44	0.23	266	56	322.9	323.8	322.9
326.0	8757	-38.7	-41.8	72	0.30	263	56	322.9	324.1	323.0
315.0	8991	-40.5	-47.5	47	0.17	261	57	323.6	324.3	323.7
307.9	9144	-41.8	-49.3	44	0.14	260	57	323.9	324.5	323.9
301.0	9298	-43.1	-51.1	41	0.12	260	54	324.2	324.7	324.2
300.0	9320	-43.3	-51.3	41	0.11	260	54	324.2	324.7	324.2
290.0	9547	-45.5	-50.5	57	0.13	261	56	324.2	324.8	324.3
284.0	9686	-46.7	-54.7	40	0.08	262	57	324.5	324.8	324.5

262.0	10216	-51.1	-56.1	55	0.07	264	62	325.6	325.9	325.6
256.1	10363	-52.1	-58.0	48	0.06	265	63	326.2	326.5	326.3
256.0	10367	-52.1	-58.1	48	0.06	265	63	326.3	326.5	326.3
255.0	10392	-52.1	-59.4	41	0.05	265	63	326.6	326.8	326.6
252.0	10468	-52.3	-63.3	25	0.03	265	62	327.4	327.6	327.4
250.0	10520	-52.5	-63.5	25	0.03	265	61	327.9	328.0	327.9
249.0	10546	-52.7	-62.7	29	0.03	265	60	328.0	328.1	328.0
244.4	10668	-51.8	-65.0	19	0.03	255	58	331.1	331.2	331.1
224.0	11237	-47.5	-75.5	3	0.01	257	56	346.0	346.0	346.0
206.0	11793	-45.5	-80.5	1	0.00	259	54	357.5	357.5	357.5
200.0	11990	-45.9	-80.9	1	0.00	260	53	359.9	359.9	359.9
169.0	13106	-49.6	-83.7	1	0.00	260	50	371.5	371.5	371.5
167.0	13184	-49.9	-83.9	1	0.00	260	49	372.3	372.3	372.3
162.0	13384	-49.1	-83.1	1	0.00	261	46	376.9	376.9	376.9
150.0	13890	-49.5	-83.5	1	0.00	265	40	384.6	384.6	384.6
140.3	14326	-50.8	-84.1	1	0.00	280	32	389.8	389.8	389.8
135.0	14577	-51.5	-84.5	1	0.00	263	30	392.8	392.8	392.8
133.9	14630	-51.4	-84.5	1	0.00	260	30	393.9	393.9	393.9
127.8	14935	-50.7	-84.4	1	0.00	275	23	400.4	400.4	400.4
124.0	15131	-50.3	-84.3	1	0.00	256	25	404.6	404.6	404.6
121.9	15240	-51.0	-84.8	1	0.00	245	26	405.3	405.4	405.3
115.0	15619	-53.3	-86.3	1	0.00	250	26	407.9	407.9	407.9
108.0	16023	-53.7	-86.7	1	0.00	255	25	414.5	414.5	414.5
101.0	16459	-52.1	-85.1	1	0.00	260	25	425.6	425.6	425.6
100.0	16520	-51.9	-84.9	1	0.00	260	25	427.2	427.2	427.2
96.3	16764	-52.5	-85.5	1	0.00	255	28	430.7	430.8	430.7
91.8	17069	-53.1	-86.1	1	0.00	275	18	435.2	435.3	435.2
87.6	17374	-53.8	-86.8	1	0.00	240	13	439.8	439.8	439.8
83.6	17678	-54.5	-87.5	1	0.00	275	9	444.4	444.4	444.4
83.6	17675	-54.5	-87.5	1	0.00	275	9	444.3	444.3	444.3
79.7	17983	-53.8	-86.8	1	0.00	260	19	451.9	451.9	451.9
76.0	18288	-53.1	-86.1	1	0.00	285	18	459.4	459.5	459.4
72.5	18593	-52.4	-85.4	1	0.00	0	1	467.2	467.2	467.2
70.0	18820	-51.9	-84.9	1	0.00	0	0	473.0	473.0	473.0
69.2	18898	-51.5	-84.5	1	0.00	250	1	475.4	475.5	475.4
69.1	18904	-51.5	-84.5	1	0.00	249	1	475.6	475.6	475.6
60.1	19812	-51.4	-84.4	1	0.01	105	1	495.2	495.3	495.2
52.2	20726	-51.3	-84.3	1	0.01	10	1	515.8	515.9	515.8
50.0	21000	-51.3	-84.3	1	0.01	20	2	522.1	522.2	522.1
47.5	21336	-51.1	-84.3	1	0.01	145	15	530.2	530.3	530.2
45.3	21641	-51.0	-84.2	1	0.01	165	11	537.7	537.8	537.7
43.2	21946	-50.9	-84.2	1	0.01	135	2	545.3	545.4	545.3
41.3	22250	-50.7	-84.1	1	0.01	80	10	552.9	553.0	552.9
39.4	22555	-50.6	-84.1	1	0.01	120	10	560.7	560.8	560.7
35.9	23165	-50.3	-84.0	1	0.01	80	14	576.6	576.7	576.6
34.2	23470	-50.2	-84.0	1	0.01	55	13	584.8	584.9	584.8
32.7	23774	-50.0	-83.9	1	0.01	70	21	593.0	593.1	593.0
31.2	24079	-49.9	-83.9	1	0.01	85	17	601.3	601.4	601.3
31.0	24116	-49.9	-83.9	1	0.01	86	17	602.3	602.4	602.3
30.0	24330	-50.1	-84.1	1	0.01	90	19	607.5	607.6	607.5
29.8	24384	-50.1	-84.1	1	0.01	90	17	608.9	609.0	608.9
29.4	24462	-50.1	-84.1	1	0.01	82	16	611.0	611.1	611.0
28.4	24689	-49.7	-83.8	1	0.01	60	13	618.2	618.3	618.2
27.1	24994	-49.1	-83.3	1	0.01	65	22	628.0	628.1	628.0
25.9	25298	-48.5	-82.8	1	0.02	85	28	637.9	638.1	637.9
23.6	25908	-47.4	-81.9	1	0.02	95	23	658.3	658.5	658.3
20.0	27010	-45.3	-80.3	1	0.03	70	26	696.7	697.1	696.8
19.7	27127	-45.0	-80.2	1	0.03	70	26	700.9	701.3	701.0
18.8	27432	-44.4	-79.8	1	0.04	85	31	712.0	712.4	712.0
18.0	27737	-43.7	-79.3	1	0.04	110	32	723.2	723.7	723.2
17.2	28042	-43.1	-79.0	1	0.05	80	27	734.6	735.1	734.6

15.7	28651	-41.8	-78.2	1	0.06	90	34	757.9	758.5	757.9
15.0	28956	-41.1	-77.8	1	0.06	80	32	769.8	770.5	769.8
14.4	29261	-40.5	-77.3	1	0.07	105	35	781.9	782.7	781.9
13.8	29566	-39.8	-77.0	1	0.08	115	30	794.2	795.1	794.2
12.6	30175	-38.5	-76.2	1	0.10	90	30	819.3	820.5	819.3
12.0	30480	-37.8	-75.8	1	0.11	95	30	832.1	833.5	832.2
11.5	30785	-37.2	-75.3	1	0.12	95	30	845.2	846.7	845.3
10.0	31740	-35.1	-74.1	1	0.17	80	30	887.4	889.5	887.4
9.6	32004	-34.5	-73.7	1	0.19	75	34	899.0	901.4	899.1
8.5	32918	-32.7	-72.1	1	0.26	95	41	940.4	943.9	940.5
8.1	33223	-32.0	-71.6	1	0.30	80	37	954.6	958.6	954.8
7.8	33528	-31.4	-71.1	1	0.34	95	42	969.0	973.6	969.2
7.0	34250	-29.9	-69.9	1	0.44	85	43	1004.0	1010.3	1004.3
6.9	34352	-30.1	-70.1	1	0.44			1007.3	1013.5	1007.6

Station information and sounding indices

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Station identifier: YQI
Station number: 71603
Observation time: 150724/0000
Station latitude: 43.87
Station longitude: -66.11
Station elevation: 9.0
Showalter index: 3.20
Lifted index: 3.58
LIFT computed using virtual temperature: 3.40
SWEAT index: 152.21
K index: 23.90
Cross totals index: 21.70
Vertical totals index: 23.30
Totals totals index: 45.00
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: 284.05
Pres [hPa] of the Lifted Condensation Level: 909.99
Mean mixed layer potential temperature: 291.83
Mean mixed layer mixing ratio: 9.11
1000 hPa to 500 hPa thickness: 5592.00
Precipitable water [mm] for entire sounding: 27.70

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