

72786 OTX Spokane Observations at 00Z 25 Jul 2015

PRES hPa	HGHT m	TEMP C	DWPT C	RELH %	MIXR g/kg	DRCT deg	SKNT knot	THTA K	THTE K	THTV K
1000.0	104									
931.0	728	27.0	5.0	24	5.91	225	14	306.3	324.7	307.4
925.0	784	26.0	6.0	28	6.38	230	13	305.9	325.6	307.1
922.0	813	25.4	6.4	30	6.58	229	13	305.6	325.8	306.8
911.4	914	22.7	4.7	31	5.89	225	13	303.8	321.9	304.9
911.0	917	22.6	4.6	31	5.87	225	13	303.7	321.8	304.8
879.6	1219	19.7	3.7	35	5.70	245	14	303.8	321.3	304.8
850.0	1514	16.8	2.8	39	5.54	250	15	303.7	320.8	304.8
818.8	1829	13.7	1.4	43	5.19	230	15	303.7	319.8	304.7
794.0	2089	11.2	0.2	47	4.91	239	14	303.7	318.9	304.6
789.7	2134	10.8	-0.1	47	4.85	240	14	303.8	318.8	304.7
761.3	2438	8.4	-1.7	49	4.44	240	16	304.3	318.2	305.2
757.0	2485	8.0	-2.0	49	4.38	245	16	304.4	318.1	305.2
735.0	2728	7.4	-3.6	46	4.01	269	17	306.4	319.0	307.1
733.6	2743	7.3	-3.6	46	4.01	270	17	306.4	319.1	307.2
701.0	3116	5.2	-3.8	52	4.14	265	17	308.1	321.2	308.9
700.0	3128	5.0	-4.0	52	4.08	265	17	308.0	320.9	308.8
671.0	3471	2.0	-3.0	69	4.59	262	22	308.4	322.9	309.2
655.7	3658	1.6	-5.3	60	3.95	260	24	310.0	322.6	310.7
655.0	3666	1.6	-5.4	60	3.92	260	24	310.1	322.6	310.8
633.0	3940	-0.3	-8.3	55	3.25	253	24	310.9	321.5	311.5
615.0	4170	-2.1	-9.1	59	3.14	247	24	311.4	321.7	312.0
610.0	4235	-2.1	-16.1	33	1.79	246	24	312.2	318.2	312.5
607.6	4267	-2.3	-16.3	33	1.78	245	24	312.3	318.3	312.7
607.0	4274	-2.3	-16.3	33	1.77	245	24	312.4	318.4	312.7
602.0	4340	-2.9	-10.9	54	2.78	246	24	312.4	321.6	312.9
594.0	4446	-3.7	-13.7	46	2.25	246	25	312.7	320.2	313.1
589.0	4512	-4.3	-12.3	54	2.54	247	25	312.8	321.2	313.2
582.0	4607	-4.9	-12.9	53	2.45	248	26	313.1	321.3	313.6
573.0	4729	-5.9	-12.9	58	2.49	249	26	313.3	321.6	313.8
562.2	4877	-7.1	-14.7	55	2.19	250	27	313.6	321.0	314.1
555.0	4978	-7.9	-15.9	53	2.01	250	28	313.8	320.6	314.2
549.0	5062	-8.5	-12.5	73	2.68	250	28	314.1	323.0	314.6
539.0	5204	-9.9	-12.7	80	2.69	250	29	314.1	323.0	314.6
525.0	5407	-11.3	-14.5	77	2.38	250	31	314.8	322.8	315.2
518.0	5510	-11.5	-18.5	56	1.73	250	31	315.8	321.7	316.1
511.0	5614	-12.1	-19.1	56	1.66	250	32	316.2	322.0	316.6
500.0	5780	-13.5	-19.5	61	1.64	250	33	316.5	322.2	316.8
491.0	5918	-14.7	-19.6	66	1.66	252	31	316.7	322.4	317.0
479.6	6096	-14.9	-40.1	10	0.24	255	29	318.6	319.6	318.7
477.0	6138	-14.9	-44.9	6	0.15	255	29	319.1	319.7	319.1
464.0	6346	-15.9	-45.9	6	0.14	255	30	320.4	320.9	320.4
452.0	6544	-17.3	-37.3	16	0.35	255	30	321.0	322.3	321.1
413.0	7215	-21.9	-43.9	12	0.19	255	31	323.5	324.2	323.5
408.0	7305	-22.5	-38.5	22	0.34	255	32	323.8	325.1	323.9
400.0	7450	-23.1	-41.1	18	0.26	255	32	324.9	325.9	324.9
393.0	7579	-24.1	-47.1	10	0.14	255	32	325.2	325.8	325.2
390.8	7620	-24.4	-46.7	11	0.15	255	32	325.4	326.0	325.4
387.0	7690	-24.9	-45.9	12	0.16	255	32	325.6	326.3	325.6
380.0	7822	-25.9	-43.9	17	0.21	256	33	326.0	326.8	326.0
345.0	8512	-31.7	-51.7	12	0.09	258	35	327.2	327.6	327.3
329.0	8845	-34.9	-48.9	23	0.14	259	37	327.3	327.9	327.4
315.0	9144	-37.2	-50.7	23	0.12	260	38	328.3	328.8	328.3

300.0	9480	-39.7	-52.7	24	0.10	260	41	329.3	329.7	329.3
299.0	9503	-39.9	-52.9	24	0.09	260	41	329.3	329.7	329.4
277.0	10021	-44.7	-53.7	36	0.09	260	39	329.7	330.1	329.7
250.0	10700	-50.3	-59.3	34	0.05	260	37	331.1	331.4	331.2
246.0	10805	-50.9	-60.9	29	0.04	260	37	331.8	332.0	331.8
239.6	10973	-52.3	-62.0	30	0.04	260	36	332.2	332.4	332.2
209.0	11845	-59.5	-67.5	35	0.02	260	51	334.1	334.2	334.2
200.0	12120	-60.3	-68.3	34	0.02	260	56	337.1	337.2	337.1
199.0	12151	-60.3	-68.3	34	0.02	260	56	337.6	337.7	337.6
197.7	12192	-60.0	-68.4	32	0.02	260	56	338.8	338.9	338.8
196.0	12246	-59.5	-68.5	30	0.02	258	54	340.3	340.4	340.4
193.0	12343	-55.9	-66.9	24	0.02	255	50	347.6	347.7	347.6
189.0	12476	-56.1	-68.1	21	0.02	251	45	349.4	349.5	349.4
188.4	12497	-55.9	-68.2	20	0.02	250	44	349.9	350.1	349.9
177.0	12896	-52.9	-69.9	11	0.02	245	43	361.2	361.3	361.2
169.0	13193	-54.3	-74.3	7	0.01	241	43	363.7	363.8	363.7
162.0	13465	-52.7	-74.7	5	0.01	238	42	370.8	370.9	370.8
155.8	13716	-53.6	-77.1	4	0.01	235	42	373.4	373.5	373.4
150.0	13960	-54.5	-79.5	3	0.00	245	46	376.0	376.0	376.0
148.6	14021	-54.2	-80.1	3	0.00	245	46	377.6	377.6	377.6
144.0	14223	-53.1	-82.1	2	0.00	243	38	382.8	382.8	382.8
139.0	14451	-53.3	-84.3	1	0.00	241	30	386.4	386.4	386.4
135.2	14630	-54.3	-85.3	1	0.00	240	23	387.7	387.7	387.7
132.0	14784	-55.1	-86.1	1	0.00	232	26	388.9	388.9	388.9
128.9	14935	-55.5	-86.5	1	0.00	225	28	390.9	390.9	390.9
124.0	15183	-56.1	-87.1	1	0.00	233	35	394.1	394.1	394.1
122.9	15240	-55.5	-86.9	1	0.00	235	37	396.1	396.1	396.1
121.0	15340	-54.5	-86.5	1	0.00	236	36	399.8	399.8	399.8
110.0	15949	-56.1	-88.1	1	0.00	243	32	407.8	407.8	407.8
107.0	16126	-55.7	-87.7	1	0.00	245	30	411.8	411.8	411.8
105.0	16247	-54.5	-87.5	1	0.00	246	29	416.3	416.3	416.3
100.0	16560	-54.5	-87.5	1	0.00	250	27	422.1	422.2	422.1
93.0	17023	-54.9	-86.9	1	0.00	238	22	430.2	430.2	430.2
91.2	17148	-53.3	-86.3	1	0.00	235	21	435.8	435.8	435.8
82.3	17806	-55.1	-87.1	1	0.00	218	14	445.1	445.1	445.1
79.5	18027	-53.5	-86.5	1	0.00	212	12	452.8	452.8	452.8
76.3	18288	-54.4	-86.9	1	0.00	205	9	456.3	456.3	456.3
73.2	18555	-55.3	-87.3	1	0.00	203	12	459.8	459.8	459.8
70.0	18840	-54.3	-87.3	1	0.00	200	15	467.9	467.9	467.9
57.8	20073	-51.9	-84.9	1	0.01	298	6	499.6	499.6	499.6
52.2	20726	-52.2	-85.2	1	0.01	350	2	513.6	513.6	513.6
50.0	21010	-52.3	-85.3	1	0.01	120	8	519.8	519.8	519.8
49.8	21031	-52.3	-85.3	1	0.01	170	10	520.2	520.2	520.2
47.8	21301	-52.7	-85.7	1	0.01	197	14	525.5	525.6	525.5
47.5	21336	-52.5	-85.6	1	0.01	200	14	526.8	526.8	526.8
43.3	21946	-49.8	-83.7	1	0.01	65	10	547.7	547.8	547.7
42.8	22019	-49.5	-83.5	1	0.01	72	10	550.3	550.4	550.3
41.3	22250	-49.8	-83.8	1	0.01	95	12	555.1	555.1	555.1
37.6	22865	-50.7	-84.7	1	0.01	135	11	568.0	568.0	568.0
37.6	22860	-50.7	-84.7	1	0.01	135	11	567.9	567.9	567.9
32.9	23741	-47.3	-82.3	1	0.01	77	4	599.1	599.2	599.1
31.3	24079	-47.6	-82.6	1	0.01	55	2	607.0	607.1	607.0
30.0	24350	-47.9	-82.9	1	0.01	20	11	613.4	613.6	613.5
29.9	24384	-48.1	-82.8	1	0.01	30	12	613.8	614.0	613.9
29.5	24461	-48.5	-82.5	1	0.02	43	12	614.8	614.9	614.8
27.2	24994	-46.7	-81.6	1	0.02	130	13	634.2	634.4	634.2
27.0	25045	-46.5	-81.5	1	0.02	122	13	636.1	636.3	636.1
26.0	25298	-46.8	-81.8	1	0.02	80	14	642.4	642.6	642.4
23.9	25852	-47.3	-82.3	1	0.02	107	19	656.4	656.5	656.4
23.7	25908	-47.1	-82.2	1	0.02	110	19	658.5	658.7	658.5
22.6	26213	-46.0	-81.4	1	0.02	105	12	670.5	670.8	670.6

21.6	26518	-44.8	-80.6	1	0.03	135	11	682.8	683.1	682.8
21.0	26713	-44.1	-80.1	1	0.03	100	16	690.7	691.0	690.7
20.7	26822	-44.2	-80.2	1	0.03	80	19	693.7	694.0	693.7
20.0	27040	-44.3	-80.3	1	0.03	80	19	699.8	700.1	699.8
19.7	27127	-44.4	-80.3	1	0.03	80	21	702.2	702.6	702.2
18.9	27432	-44.5	-80.5	1	0.03	100	21	710.9	711.2	710.9
18.1	27708	-44.7	-80.7	1	0.03	123	17	718.8	719.1	718.8
18.0	27737	-44.5	-80.6	1	0.03	125	17	720.2	720.6	720.2
17.2	28042	-42.5	-79.1	1	0.04	100	15	735.9	736.4	736.0
16.6	28292	-40.9	-77.9	1	0.06	75	10	749.0	749.6	749.0
16.5	28346	-40.8	-77.8	1	0.06	70	9	750.9	751.6	751.0
15.8	28651	-40.5	-77.5	1	0.06	50	13	761.8	762.5	761.8
15.1	28956	-40.1	-77.1	1	0.07	80	25	772.8	773.6	772.9
14.4	29261	-39.7	-76.7	1	0.08	85	30	784.0	784.9	784.0
12.5	30232	-38.5	-75.5	1	0.11	113	24	820.6	822.0	820.7
12.1	30480	-39.6	-76.6	1	0.10	120	23	825.4	826.6	825.5
12.0	30512	-39.7	-76.7	1	0.09	120	23	826.0	827.2	826.1
11.1	31048	-36.9	-74.9	1	0.13	111	25	854.8	856.4	854.8
10.0	31770	-36.9	-74.9	1	0.15	100	27	880.6	882.5	880.7
9.1	32423	-36.3	-74.3	1	0.18	100	24	907.0	909.3	907.1
8.8	32614	-35.3	-73.9	1	0.19	100	23	917.9	920.5	918.0
8.7	32736	-34.7	-73.7	1	0.20			924.9	927.6	925.0

Station information and sounding indices

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Station identifier: OTX
Station number: 72786
Observation time: 150725/0000
Station latitude: 47.68
Station longitude: -117.63
Station elevation: 728.0
Showalter index: 2.55
Lifted index: 1.56
LIFT computed using virtual temperature: 1.44
SWEAT index: 96.60
K index: 24.10
Cross totals index: 16.30
Vertical totals index: 30.30
Totals totals index: 46.60
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: 274.07
Pres [hPa] of the Lifted Condensation Level: 693.31
Mean mixed layer potential temperature: 304.32
Mean mixed layer mixing ratio: 5.96
1000 hPa to 500 hPa thickness: 5676.00
Precipitable water [mm] for entire sounding: 18.68

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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:ldoolman@uwyo.edu)
