

72493 OAK Oakland Int Observations at 12Z 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
1018.0	3	16.0	12.9	82	9.26	210	4	287.7	313.7	289.3
1017.0	11	15.8	10.8	72	8.05	211	4	287.6	310.3	289.0
1011.0	61	15.4	11.7	79	8.61	218	4	287.6	311.9	289.1
1000.0	153	14.4	10.9	79	8.25	230	5	287.6	310.8	289.0
982.1	305	13.1	10.5	84	8.16	210	7	287.7	310.8	289.1
954.0	549	11.0	9.8	92	8.03	238	9	288.0	310.7	289.4
949.0	593	10.2	7.1	81	6.71	243	9	287.6	306.7	288.8
947.0	610	10.6	7.1	79	6.72	245	9	288.2	307.3	289.3
934.0	726	13.0	7.0	67	6.77	257	11	291.8	311.4	293.0
927.0	790	15.6	5.6	51	6.19	263	13	295.1	313.3	296.2
925.0	808	16.4	1.4	36	4.60	265	13	296.1	309.9	296.9
922.0	836	17.8	-9.2	15	2.08	265	12	297.8	304.4	298.1
919.0	863	18.4	-16.6	8	1.14	265	11	298.7	302.4	298.9
913.6	914	18.3	-16.5	8	1.16	265	10	299.1	302.9	299.3
891.0	1127	17.8	-16.2	9	1.22	275	10	300.7	304.7	300.9
881.4	1219	17.2	-16.5	9	1.20	280	10	301.1	305.0	301.3
851.0	1517	15.4	-17.6	9	1.13	285	8	302.2	305.9	302.4
850.0	1527	15.4	-16.6	10	1.23	285	8	302.3	306.4	302.5
835.0	1678	15.6	-21.4	6	0.83	275	5	304.0	306.9	304.2
820.1	1829	14.4	-22.6	6	0.77	265	2	304.4	307.0	304.5
790.9	2134	12.1	-24.9	6	0.64	190	4	305.0	307.2	305.1
790.0	2143	12.0	-25.0	6	0.64	191	4	305.0	307.2	305.1
764.0	2422	9.6	-12.4	20	1.94	209	7	305.4	311.7	305.7
762.5	2438	9.6	-13.4	18	1.79	210	7	305.5	311.4	305.9
741.0	2675	9.8	-28.2	5	0.51	229	8	308.2	310.1	308.4
734.9	2743	9.6	-28.8	5	0.48	235	8	308.7	310.4	308.8
726.0	2844	9.2	-29.8	4	0.45	238	8	309.4	311.0	309.5
700.0	3145	7.4	-32.6	4	0.36	245	6	310.6	312.0	310.7
697.0	3180	7.2	-27.8	6	0.56	244	6	310.8	312.8	310.9
691.0	3251	6.6	-17.4	16	1.42	242	6	310.9	315.8	311.2
664.0	3577	3.6	-20.4	15	1.14	232	8	311.1	315.0	311.3
657.4	3658	2.9	-18.9	18	1.31	230	8	311.2	315.7	311.4
649.0	3762	2.0	-17.0	23	1.56	231	8	311.3	316.6	311.6
631.0	3988	0.4	-21.6	17	1.08	233	9	312.0	315.8	312.2
609.2	4267	-1.0	-24.8	15	0.85	235	9	313.5	316.5	313.7
564.0	4877	-4.1	-31.7	10	0.48	245	13	316.9	318.6	316.9
537.0	5266	-6.1	-36.1	7	0.33	241	14	319.0	320.2	319.0
526.0	5428	-7.7	-29.7	15	0.62	239	14	318.9	321.2	319.1
509.0	5683	-9.7	-33.7	12	0.44	236	15	319.5	321.2	319.6
500.0	5820	-11.1	-23.1	36	1.20	235	15	319.4	323.7	319.7
487.0	6021	-12.3	-30.3	21	0.64	235	16	320.4	322.7	320.5
482.2	6096	-13.0	-29.9	23	0.67	235	16	320.4	322.9	320.5
466.0	6355	-15.5	-28.5	32	0.79	234	18	320.5	323.3	320.6
457.0	6502	-15.5	-36.5	15	0.37	233	20	322.2	323.7	322.3
443.0	6736	-16.9	-39.9	12	0.27	232	22	323.4	324.4	323.4
427.0	7010	-19.6	-35.4	23	0.44	230	24	323.3	325.0	323.4
423.0	7080	-20.3	-34.3	28	0.50	230	24	323.3	325.2	323.4
402.0	7454	-23.7	-36.7	29	0.41	230	21	323.6	325.2	323.7
400.0	7490	-23.9	-36.9	29	0.41	230	21	323.8	325.4	323.9
392.9	7620	-24.6	-42.1	18	0.24	235	24	324.6	325.5	324.6
386.0	7749	-25.3	-47.3	11	0.14	238	23	325.3	325.9	325.3
352.0	8413	-29.5	-53.5	8	0.07	252	21	328.3	328.7	328.4
346.1	8534	-30.0	-55.1	7	0.06	255	20	329.2	329.5	329.2

326.0	8958	-31.9	-60.9	4	0.03	272	17	332.3	332.5	332.3
317.5	9144	-33.5	-61.9	4	0.03	280	15	332.6	332.8	332.7
311.0	9289	-34.7	-62.7	4	0.03	294	17	332.9	333.0	332.9
303.9	9449	-35.5	-63.5	4	0.02	310	19	334.0	334.1	334.0
300.0	9540	-35.9	-63.9	4	0.02	315	18	334.7	334.8	334.7
296.0	9633	-36.3	-64.3	4	0.02	317	18	335.4	335.5	335.4
265.8	10363	-41.1	-66.6	5	0.02	330	20	338.8	338.9	338.8
250.0	10780	-43.9	-67.9	5	0.02	325	18	340.7	340.7	340.7
245.0	10915	-44.7	-68.7	5	0.01	321	17	341.4	341.5	341.4
242.9	10973	-44.7	-69.0	5	0.01	320	16	342.3	342.4	342.3
234.0	11223	-44.5	-70.5	4	0.01	291	19	346.2	346.3	346.3
232.1	11278	-44.8	-70.8	4	0.01	285	20	346.6	346.6	346.6
221.6	11582	-46.7	-72.4	4	0.01	300	19	348.3	348.3	348.3
200.0	12260	-50.9	-75.9	4	0.01	245	31	352.0	352.0	352.0
198.0	12326	-51.5	-76.5	3	0.01	245	32	352.1	352.1	352.1
192.8	12497	-51.9	-77.6	3	0.01	245	34	354.1	354.1	354.1
178.0	13016	-53.1	-81.1	2	0.00	243	36	360.3	360.3	360.3
173.0	13200	-54.5	-82.5	2	0.00	243	37	360.9	361.0	360.9
171.0	13274	-54.1	-82.1	2	0.00	243	37	362.8	362.8	362.8
150.0	14110	-57.9	-86.9	1	0.00	240	40	370.1	370.1	370.1
145.0	14323	-58.7	-87.7	1	0.00	240	42	372.3	372.3	372.3
144.9	14326	-58.7	-87.7	1	0.00	240	42	372.4	372.4	372.4
133.0	14864	-59.3	-87.3	2	0.00	234	41	380.6	380.6	380.6
125.2	15240	-61.1	-87.7	2	0.00	230	41	383.9	383.9	383.9
122.0	15400	-61.9	-87.9	2	0.00	235	37	385.3	385.3	385.3
107.0	16211	-61.7	-88.7	2	0.00	209	23	400.4	400.4	400.4
106.0	16269	-61.1	-89.1	1	0.00	207	22	402.6	402.6	402.6
100.0	16630	-61.9	-88.9	2	0.00	195	16	407.9	407.9	407.9
89.2	17333	-63.5	-90.5	1	0.00	206	15	418.2	418.2	418.2
85.1	17624	-59.9	-88.9	1	0.00	210	15	431.1	431.2	431.1
76.5	18288	-61.1	-89.4	1	0.00	220	14	441.9	441.9	441.9
74.1	18484	-61.5	-89.5	1	0.00	184	11	445.2	445.2	445.2
71.8	18681	-58.5	-88.5	1	0.00	149	8	455.6	455.6	455.6
70.0	18840	-58.9	-88.9	1	0.00	120	6	458.0	458.0	458.0
61.9	19615	-59.1	-90.1	1	0.00	114	4	474.0	474.0	474.0
52.0	20726	-56.1	-88.0	1	0.00	105	1	505.1	505.2	505.1
50.0	20970	-55.5	-87.5	1	0.00	55	4	512.2	512.3	512.2
49.5	21034	-54.9	-86.9	1	0.00	58	5	515.1	515.2	515.1
47.2	21336	-55.6	-87.6	1	0.00	70	12	520.6	520.7	520.6
45.0	21641	-56.2	-88.2	1	0.00	105	14	526.2	526.2	526.2
42.9	21946	-56.9	-88.9	1	0.00	95	13	531.9	531.9	531.9
42.2	22046	-57.1	-89.1	1	0.00	92	13	533.7	533.8	533.7
40.9	22250	-56.1	-88.3	1	0.00	85	13	541.1	541.1	541.1
37.1	22860	-53.2	-86.0	1	0.01	130	15	563.6	563.7	563.6
35.9	23078	-52.1	-85.1	1	0.01	94	16	571.9	572.0	571.9
35.4	23165	-52.0	-85.1	1	0.01	80	16	574.2	574.3	574.2
33.8	23470	-51.8	-85.2	1	0.01	80	15	582.6	582.7	582.6
32.2	23774	-51.6	-85.2	1	0.01	95	23	591.0	591.1	591.0
30.8	24079	-51.4	-85.3	1	0.01	75	25	599.6	599.7	599.6
30.0	24240	-51.3	-85.3	1	0.01	75	25	604.2	604.3	604.2
29.3	24384	-51.3	-85.3	1	0.01	85	23	608.0	608.1	608.0
27.3	24854	-51.3	-85.3	1	0.01	90	27	620.7	620.8	620.7
25.5	25298	-50.4	-84.6	1	0.01	95	31	635.4	635.5	635.4
20.0	26900	-47.1	-82.1	1	0.02	90	30	691.2	691.5	691.2
19.2	27170	-46.3	-81.3	1	0.03	87	32	701.8	702.1	701.8
18.5	27432	-46.2	-81.2	1	0.03	85	34	710.2	710.5	710.2
13.6	29464	-45.1	-80.1	1	0.05	88	40	778.6	779.1	778.6
11.7	30480	-41.7	-78.2	1	0.08	90	43	825.1	826.0	825.1
11.2	30771	-40.7	-77.7	1	0.09	91	43	838.9	839.9	838.9
10.3	31339	-41.3	-78.3	1	0.09	94	44	857.0	858.0	857.0
10.0	31540	-40.5	-77.5	1	0.10	95	44	867.2	868.5	867.3

9.4	31963	-39.1	-76.1	1	0.13	92	45	888.0	889.7	888.1
8.5	32652	-39.5	-76.5	1	0.14	87	46	912.4	914.2	912.4
8.2	32918	-37.2	-74.8	1	0.18	85	47	931.5	934.0	931.6
8.0	33070	-35.9	-73.9	1	0.22			942.6	945.5	942.7

Station information and sounding indices

Station identifier: OAK
Station number: 72493
Observation time: 150724/1200
Station latitude: 37.73
Station longitude: -122.21
Station elevation: 3.0
Showalter index: 13.59
Lifted index: 10.68
LIFT computed using virtual temperature: 10.66
SWEAT index: 31.00
K index: -30.10
Cross totals index: -5.50
Vertical totals index: 26.50
Totals totals index: 21.00
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: 283.18
Pres [hPa] of the Lifted Condensation Level: 946.16
Mean mixed layer potential temperature: 287.71
Mean mixed layer mixing ratio: 8.23
1000 hPa to 500 hPa thickness: 5667.00
Precipitable water [mm] for entire sounding: 12.03

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)
