

70350 PADQ Kodiak 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
1006.0	34	21.0	9.0	46	7.21	290	18	293.6	314.7	294.9
1005.0	38	20.5	8.5	46	6.99	290	18	293.3	313.6	294.5
1000.0	56	18.2	6.2	45	5.98	290	18	291.4	308.8	292.4
986.0	176	16.4	5.4	48	5.73	290	18	290.7	307.4	291.7
925.0	715	11.2	4.2	62	5.62	290	16	290.8	307.1	291.7
895.0	989	8.4	4.0	74	5.73	287	13	290.6	307.2	291.6
874.0	1184	6.7	3.4	79	5.62	285	11	290.9	307.2	291.8
853.0	1384	5.0	2.8	86	5.52	316	14	291.1	307.2	292.1
850.0	1413	5.2	2.6	83	5.46	320	14	291.6	307.5	292.5
843.0	1481	6.6	2.0	72	5.27	326	15	293.7	309.3	294.7
812.0	1784	4.2	0.7	78	4.98	355	18	294.3	309.1	295.2
753.0	2396	-0.7	-1.9	92	4.44	342	16	295.4	308.8	296.2
720.0	2754	-0.5	-5.1	71	3.65	335	16	299.5	310.7	300.1
700.0	2979	-2.1	-6.4	72	3.40	330	15	300.1	310.7	300.8
694.0	3047	-2.3	-7.0	70	3.27	330	15	300.6	310.8	301.2
659.0	3457	-3.7	-10.7	58	2.58	333	17	303.6	311.8	304.0
637.0	3721	-5.5	-12.1	60	2.39	335	18	304.5	312.1	304.9
564.0	4666	-11.9	-17.1	66	1.79	305	20	307.6	313.6	308.0
558.0	4749	-12.5	-17.5	66	1.74	305	20	307.9	313.7	308.2
518.0	5314	-15.3	-25.3	42	0.95	309	24	311.2	314.5	311.3
500.0	5580	-17.7	-26.7	45	0.87	310	25	311.4	314.4	311.6
460.0	6191	-22.5	-32.8	39	0.53	325	24	312.9	314.8	313.0
417.0	6911	-28.1	-40.0	31	0.28	315	23	314.6	315.6	314.6
413.0	6982	-28.7	-40.7	31	0.27	316	23	314.7	315.7	314.8
400.0	7210	-30.7	-40.7	37	0.27	320	21	315.0	316.1	315.1
374.0	7684	-34.5	-41.5	49	0.27	327	16	316.1	317.1	316.1
363.0	7891	-35.9	-44.4	42	0.20	330	14	316.9	317.7	316.9
346.0	8223	-38.2	-49.0	31	0.13	300	14	318.1	318.6	318.1
337.0	8405	-39.5	-51.5	27	0.10	290	17	318.8	319.2	318.8
328.0	8588	-41.1	-52.1	29	0.09	280	21	319.1	319.5	319.1
300.0	9190	-46.3	-54.3	40	0.08	290	24	320.0	320.3	320.0
269.0	9904	-51.7	-57.7	48	0.06	310	26	322.3	322.5	322.3
266.0	9977	-51.4	-58.3	43	0.05	315	26	323.7	324.0	323.8
250.0	10380	-49.7	-61.7	23	0.04	305	30	332.1	332.2	332.1
241.0	10618	-50.3	-65.3	15	0.02	304	31	334.6	334.8	334.6
229.0	10952	-46.1	-67.1	7	0.02	303	33	346.0	346.1	346.0
208.0	11590	-44.4	-78.5	1	0.00	300	36	358.2	358.3	358.2
202.0	11784	-43.9	-81.9	1	0.00	304	35	362.1	362.1	362.1
200.0	11850	-43.9	-81.9	1	0.00	305	34	363.1	363.1	363.1
150.0	13770	-47.1	-84.1	1	0.00	310	30	388.7	388.7	388.7
141.0	14181	-46.5	-84.4	1	0.00	320	26	396.8	396.8	396.8
131.0	14670	-45.7	-84.7	0	0.00	291	20	406.5	406.6	406.5
129.0	14772	-46.0	-84.7	1	0.00	285	19	407.8	407.8	407.8
114.0	15592	-48.3	-84.3	1	0.00	316	18	418.2	418.2	418.2
110.0	15828	-47.6	-84.2	1	0.00	325	18	423.7	423.7	423.7
101.0	16394	-46.1	-84.1	1	0.00	303	16	437.1	437.1	437.1
100.0	16460	-46.5	-84.5	1	0.00	300	16	437.6	437.6	437.6
95.0	16798	-47.1	-84.6	1	0.00	265	13	442.9	442.9	442.9
87.0	17378	-48.1	-84.9	1	0.00	315	22	452.2	452.2	452.2
74.0	18444	-49.9	-85.3	1	0.00	320	12	469.8	469.8	469.8
70.0	18810	-50.5	-85.5	1	0.00	355	6	476.0	476.0	476.0
68.6	18941	-50.5	-84.5	1	0.00	350	6	478.7	478.8	478.7
67.0	19096	-49.9	-84.4	1	0.00	345	7	483.2	483.2	483.2

63.0	19500	-48.5	-84.2	1	0.01	25	7	495.0	495.0	495.0
60.0	19820	-47.3	-84.0	1	0.01	25	7	504.5	504.5	504.5
58.9	19941	-46.9	-83.9	1	0.01	104	4	508.1	508.2	508.1
58.0	20043	-47.1	-83.9	1	0.01	170	2	510.0	510.1	510.0
55.0	20392	-47.6	-83.8	1	0.01	10	2	516.5	516.5	516.5
52.0	20762	-48.3	-83.8	1	0.01	240	2	523.4	523.4	523.4
50.0	21020	-48.7	-83.7	1	0.01	310	3	528.2	528.3	528.3
49.0	21152	-49.1	-84.1	1	0.01	320	4	530.4	530.5	530.4
48.4	21233	-49.3	-84.3	1	0.01	326	4	531.8	531.8	531.8
47.0	21425	-48.2	-84.1	1	0.01	340	5	538.8	538.8	538.8
45.0	21711	-46.7	-83.7	1	0.01	6	7	549.2	549.3	549.2
44.0	21859	-46.7	-83.7	1	0.01	20	8	552.8	552.9	552.8
42.0	22167	-46.6	-83.6	1	0.01	100	9	560.4	560.4	560.4
40.0	22489	-46.6	-83.6	1	0.01	220	3	568.3	568.4	568.3
38.0	22828	-46.5	-83.5	1	0.01	70	5	576.9	576.9	576.9
34.0	23563	-46.4	-83.4	1	0.01	95	9	595.8	595.9	595.8
30.0	24390	-46.3	-83.3	1	0.01	70	10	617.8	617.9	617.8
29.0	24616	-46.6	-83.6	1	0.01	55	13	622.9	623.0	622.9
28.8	24663	-46.7	-83.7	1	0.01	56	13	623.9	624.1	624.0
24.0	25896	-43.5	-82.5	1	0.02	90	19	666.6	666.8	666.6
20.0	27130	-40.3	-81.3	0	0.03	120	12	712.0	712.3	712.0
19.4	27339	-39.1	-81.1	0	0.03	108	12	722.0	722.3	722.0
19.0	27482	-39.1	-81.0	0	0.03	100	12	726.3	726.6	726.3
17.0	28246	-39.0	-80.5	0	0.04	115	10	750.0	750.4	750.0
16.0	28662	-39.0	-80.3	0	0.04	45	1	763.2	763.7	763.3
15.0	29105	-38.9	-80.0	1	0.04	85	9	777.6	778.1	777.6
14.6	29291	-38.9	-79.9	1	0.05	75	10	783.7	784.2	783.7
14.0	29582	-38.3	-79.8	1	0.05	60	11	795.1	795.7	795.1
12.0	30653	-36.2	-79.3	0	0.06	110	11	838.4	839.2	838.4
11.0	31258	-35.0	-79.0	0	0.07	95	13	863.8	864.8	863.9
10.0	31920	-33.7	-78.7	0	0.08	105	15	892.6	893.7	892.6
9.2	32506	-32.5	-77.5	0	0.11	121	18	918.7	920.1	918.7
9.0						125	19			

Station information and sounding indices

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Station identifier: PADQ
Station number: 70350
Observation time: 150724/0000
Station latitude: 57.75
Station longitude: -152.50
Station elevation: 34.0
Showalter index: 6.23
Lifted index: 6.01
LIFT computed using virtual temperature: 5.97
SWEAT index: 84.21
K index: 21.20
Cross totals index: 20.30
Vertical totals index: 22.90
Totals totals index: 43.20
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: 276.36
Pres [hPa] of the Lifted Condensation Level: 835.08
Mean mixed layer potential temperature: 290.98
Mean mixed layer mixing ratio: 5.82

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1000 hPa to 500 hPa thickness: 5524.00

Precipitable water [mm] for entire sounding: 20.92

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)
