

70326 PAKN King Salmon 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
1009.0	8	16.4	11.4	72	8.45	260	13	288.8	312.8	290.3
1000.0	87	14.8	7.8	63	6.68	260	15	287.9	307.0	289.1
993.0	146	14.0	8.0	67	6.82	260	15	287.7	307.1	288.9
974.4	305	12.5	7.5	72	6.73	260	16	287.8	306.9	288.9
942.0	589	9.8	6.7	81	6.57	269	15	287.8	306.6	289.0
939.6	610	9.7	6.4	80	6.44	270	15	287.9	306.3	289.0
925.0	740	8.8	4.3	73	5.66	280	13	288.3	304.6	289.3
915.0	830	8.2	3.2	71	5.29	280	11	288.6	303.9	289.5
905.7	914	7.5	3.1	74	5.32	280	9	288.7	304.1	289.7
890.0	1058	6.4	3.0	79	5.36	301	9	289.0	304.5	289.9
872.6	1219	5.7	2.4	79	5.22	325	10	289.9	305.1	290.9
850.0	1434	4.8	1.5	79	5.04	330	10	291.2	305.9	292.1
809.7	1829	2.7	-0.4	80	4.61	345	10	293.0	306.6	293.8
808.0	1846	2.6	-0.5	80	4.59	345	10	293.1	306.7	293.9
792.0	2008	3.2	-2.8	65	3.95	345	9	295.4	307.3	296.1
779.7	2134	2.0	-3.2	68	3.89	345	9	295.5	307.2	296.1
750.7	2438	-0.8	-4.2	78	3.74	330	6	295.6	306.9	296.3
732.0	2640	-2.7	-4.9	85	3.65	313	6	295.7	306.7	296.3
722.6	2743	-3.3	-5.7	84	3.49	305	6	296.1	306.7	296.7
711.0	2871	-4.1	-6.6	83	3.30	320	7	296.6	306.7	297.2
700.0	2994	-3.9	-7.2	78	3.20	335	8	298.1	308.0	298.7
699.0	3005	-3.9	-7.2	78	3.20	335	8	298.3	308.1	298.8
653.0	3541	-6.7	-10.0	77	2.75	331	10	300.9	309.6	301.4
643.3	3658	-7.0	-11.3	71	2.51	330	11	301.9	309.9	302.4
628.0	3846	-7.5	-13.5	62	2.16	330	12	303.4	310.4	303.8
594.8	4267	-9.8	-15.8	62	1.88	330	14	305.5	311.6	305.8
591.0	4317	-10.1	-16.1	61	1.85	329	14	305.7	311.8	306.1
572.0	4569	-11.5	-19.5	52	1.43	325	13	306.9	311.7	307.2
563.0	4690	-12.3	-19.3	56	1.48	323	12	307.4	312.3	307.7
549.4	4877	-13.0	-21.8	48	1.23	320	11	308.7	312.9	308.9
540.0	5009	-13.5	-23.5	43	1.07	313	11	309.6	313.3	309.8
500.0	5590	-17.9	-29.9	34	0.64	280	9	311.1	313.4	311.3
496.0	5650	-18.5	-31.5	31	0.56	280	9	311.1	313.1	311.2
466.9	6096	-22.1	-32.8	37	0.52	280	8	312.1	314.0	312.2
459.0	6222	-23.1	-33.1	40	0.52	283	8	312.4	314.2	312.5
429.0	6711	-27.3	-39.3	31	0.30	297	8	313.1	314.2	313.2
411.4	7010	-29.8	-41.2	32	0.25	305	8	313.6	314.6	313.7
400.0	7210	-31.5	-42.5	33	0.23	290	9	314.0	314.8	314.0
398.0	7245	-31.9	-41.9	36	0.24	288	10	313.9	314.8	313.9
394.1	7315	-32.4	-43.1	34	0.22	285	11	314.1	314.9	314.2
380.0	7570	-34.3	-47.3	26	0.14	289	17	314.9	315.5	314.9
377.3	7620	-34.5	-46.3	29	0.16	290	18	315.2	315.9	315.3
367.0	7813	-35.5	-42.5	49	0.25	290	19	316.5	317.4	316.5
345.4	8230	-38.9	-45.2	51	0.20	290	22	317.4	318.1	317.4
337.0	8399	-40.3	-46.3	53	0.18	293	21	317.7	318.4	317.8
308.0	9005	-45.1	-53.1	40	0.09	303	19	319.3	319.6	319.3
301.6	9144	-45.9	-53.1	44	0.09	305	19	320.1	320.4	320.1
300.0	9180	-46.1	-53.1	45	0.09	300	18	320.3	320.6	320.3
288.0	9449	-48.0	-55.0	44	0.08	285	17	321.4	321.7	321.4
276.0	9729	-49.9	-56.9	43	0.06	295	15	322.5	322.8	322.5
275.0	9754	-49.8	-57.4	40	0.06	300	15	323.0	323.3	323.0
262.5	10058	-48.3	-63.2	16	0.03	305	24	329.5	329.6	329.5
251.0	10354	-46.9	-68.9	6	0.01	300	28	335.8	335.9	335.8

250.0	10380	-46.9	-69.9	6	0.01	300	28	336.2	336.3	336.2
243.0	10569	-47.1	-76.1	2	0.01	293	33	338.6	338.7	338.6
239.4	10668	-46.6	-77.2	2	0.00	290	35	340.8	340.8	340.8
234.0	10820	-45.9	-78.9	1	0.00	294	36	344.1	344.1	344.1
224.0	11111	-46.7	-81.7	1	0.00	301	37	347.2	347.2	347.2
218.4	11278	-45.9	-80.9	1	0.00	305	38	351.0	351.0	351.0
216.0	11353	-45.5	-80.5	1	0.00	305	37	352.7	352.7	352.7
213.0	11447	-44.1	-80.1	1	0.00	305	36	356.3	356.3	356.3
210.0	11542	-43.7	-79.7	1	0.00	305	35	358.4	358.4	358.4
200.0	11870	-45.1	-80.1	1	0.00	305	31	361.2	361.2	361.2
199.0	11904	-45.3	-80.3	1	0.00	305	31	361.4	361.4	361.4
192.0	12143	-44.5	-80.5	1	0.00	303	30	366.4	366.4	366.4
183.0	12465	-45.3	-80.3	1	0.00	300	29	370.1	370.2	370.1
172.0	12879	-44.9	-79.9	1	0.00	297	28	377.4	377.4	377.4
164.0	13197	-46.5	-81.5	1	0.00	295	28	379.9	379.9	379.9
160.0	13362	-46.1	-81.1	1	0.00	293	27	383.3	383.3	383.3
155.0	13573	-47.1	-82.1	1	0.00	292	27	385.1	385.1	385.1
150.0	13790	-47.1	-82.1	1	0.00	290	26	388.7	388.7	388.7
148.0	13879	-46.9	-81.9	1	0.00	292	25	390.5	390.6	390.5
143.0	14106	-47.7	-82.7	1	0.00	296	23	393.0	393.0	393.0
133.0	14586	-46.5	-81.5	1	0.00	304	17	403.4	403.4	403.4
132.1	14630	-46.8	-81.8	1	0.00	305	17	403.6	403.6	403.6
130.0	14737	-47.5	-82.5	1	0.00			404.2	404.2	404.2

Station information and sounding indices

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Station identifier: PAKN
Station number: 70326
Observation time: 150724/0000
Station latitude: 58.68
Station longitude: -156.67
Station elevation: 8.0
Showalter index: 7.07
Lifted index: 6.15
LIFT computed using virtual temperature: 6.08
SWEAT index: 47.00
K index: 20.90
Cross totals index: 19.40
Vertical totals index: 22.70
Totals totals index: 42.10
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: 279.85
Pres [hPa] of the Lifted Condensation Level: 905.89
Mean mixed layer potential temperature: 287.87
Mean mixed layer mixing ratio: 6.85
1000 hPa to 500 hPa thickness: 5503.00
Precipitable water [mm] for entire sounding: 20.49

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Wyoming

Questions about the weather data provided by this site can be addressed to [Larry Oolman \(ldoolman@uwyo.edu\)](mailto:Larry.Oolman@uwyo.edu)
