

70273 PANC Anchorage 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
1000.0	29									
997.0	40	18.2	10.2	60	7.89	175	3	291.6	314.3	293.0
981.0	181	16.0	8.0	59	6.90	220	5	290.7	310.6	291.9
967.1	305	14.4	7.0	61	6.53	260	6	290.3	309.1	291.4
959.0	377	13.4	6.4	63	6.32	231	5	290.0	308.2	291.1
942.0	531	12.4	5.4	62	6.00	167	2	290.5	307.9	291.5
933.4	610	11.8	6.0	68	6.33	135	1	290.6	308.9	291.7
928.0	659	11.4	6.4	71	6.54	228	1	290.7	309.6	291.8
925.0	687	11.2	6.4	72	6.56	280	1	290.8	309.7	291.9
900.1	914	9.5	5.4	76	6.30	310	4	291.2	309.5	292.4
899.0	924	9.4	5.4	76	6.29	311	4	291.3	309.5	292.4
867.5	1219	8.1	2.9	69	5.45	345	11	292.9	308.9	293.9
850.0	1388	7.4	1.4	66	5.01	335	13	293.9	308.7	294.8
830.0	1584	6.8	-0.2	61	4.56	2	14	295.3	308.9	296.1
812.0	1764	5.2	-0.8	65	4.46	26	16	295.4	308.8	296.2
805.5	1829	4.9	-1.2	65	4.36	35	16	295.8	308.9	296.6
775.9	2134	3.5	-3.2	61	3.90	40	20	297.4	309.3	298.1
762.0	2281	2.8	-4.2	60	3.69	39	19	298.2	309.6	298.9
735.0	2571	0.4	-4.6	69	3.72	36	17	298.7	310.1	299.4
719.4	2743	-0.8	-6.3	66	3.33	35	16	299.2	309.6	299.8
705.0	2904	-1.9	-7.9	64	3.01	39	18	299.7	309.1	300.3
700.0	2961	-2.1	-9.1	59	2.76	40	19	300.1	308.8	300.6
696.0	3007	-2.3	-9.3	59	2.73	40	19	300.4	309.0	300.9
692.4	3048	-2.6	-9.6	59	2.69	40	19	300.5	308.9	301.0
651.0	3534	-6.5	-12.5	62	2.26	20	18	301.4	308.6	301.9
640.7	3658	-7.1	-13.6	60	2.10	15	18	302.1	308.9	302.5
631.0	3777	-7.7	-14.7	57	1.95	15	17	302.8	309.1	303.1
622.0	3889	-8.1	-14.1	62	2.08	15	17	303.6	310.3	303.9
605.0	4104	-9.3	-15.3	62	1.93	15	16	304.6	310.9	304.9
592.4	4267	-10.5	-16.5	61	1.79	15	15	305.0	310.9	305.4
582.0	4403	-11.5	-17.5	61	1.67	19	15	305.4	310.9	305.7
569.2	4572	-12.7	-22.4	44	1.12	25	14	306.0	309.8	306.2
546.9	4877	-14.8	-31.3	23	0.52	20	14	307.0	308.9	307.1
539.0	4987	-15.5	-34.5	18	0.38	16	14	307.4	308.8	307.5
531.0	5100	-16.3	-31.3	26	0.53	13	14	307.8	309.6	307.9
525.2	5182	-16.9	-31.1	28	0.55	10	14	308.0	310.0	308.1
510.0	5402	-18.5	-30.5	34	0.60	21	11	308.7	310.8	308.8
505.0	5476	-19.1	-27.1	49	0.83	25	10	308.8	311.7	309.0
504.3	5486	-19.1	-27.3	49	0.82	25	10	308.9	311.7	309.1
500.0	5550	-19.3	-28.3	45	0.75	20	11	309.4	312.1	309.6
483.9	5791	-21.3	-31.5	39	0.57	20	13	309.9	312.0	310.1
474.0	5944	-22.5	-33.5	36	0.48	35	13	310.2	312.0	310.3
468.0	6038	-23.1	-32.1	44	0.56	44	13	310.6	312.6	310.7
464.3	6096	-23.5	-32.5	43	0.54	50	13	310.8	312.7	310.9
451.0	6307	-25.1	-34.1	43	0.48	59	13	311.4	313.1	311.5
439.0	6503	-26.1	-43.1	19	0.19	67	12	312.6	313.3	312.6
426.8	6706	-27.1	-50.2	9	0.09	75	12	313.8	314.1	313.8
425.0	6736	-27.3	-51.3	8	0.08	74	12	313.9	314.3	313.9
400.0	7170	-30.1	-49.1	14	0.11	65	16	315.8	316.2	315.8
391.9	7315	-31.1	-49.8	14	0.10	60	18	316.4	316.8	316.4
375.3	7620	-33.1	-51.2	15	0.09	60	24	317.6	317.9	317.6
374.0	7644	-33.3	-51.3	15	0.09	60	24	317.7	318.0	317.7
332.0	8467	-39.9	-54.9	19	0.07	67	23	319.6	319.9	319.6

326.0	8591	-40.7	-51.7	30	0.10	68	22	320.2	320.6	320.2
316.0	8802	-42.3	-56.3	20	0.06	70	22	320.8	321.1	320.8
314.2	8839	-42.6	-56.1	21	0.06	70	22	321.0	321.2	321.0
301.0	9128	-44.7	-54.7	32	0.08	65	24	321.9	322.2	321.9
300.3	9144	-44.9	-54.9	32	0.07	65	24	322.0	322.3	322.0
300.0	9150	-44.9	-54.9	32	0.07	65	24	322.0	322.3	322.0
285.0	9492	-47.5	-57.5	31	0.06	65	25	323.0	323.2	323.0
257.0	10171	-51.1	-63.1	23	0.03	65	27	327.4	327.5	327.4
250.0	10350	-52.3	-63.3	25	0.03	65	28	328.2	328.3	328.2
249.5	10363	-52.4	-63.4	25	0.03	65	28	328.2	328.4	328.2
244.0	10506	-53.3	-64.3	25	0.03	70	26	329.0	329.1	329.0
239.0	10640	-52.7	-65.7	19	0.02	70	23	331.8	331.9	331.8
237.9	10668	-51.9	-65.9	17	0.02	70	22	333.5	333.6	333.5
237.0	10694	-51.1	-66.1	15	0.02	67	21	335.0	335.1	335.0
228.0	10946	-48.3	-74.3	3	0.01	38	16	343.0	343.1	343.0
227.1	10973	-48.3	-75.0	3	0.01	35	15	343.4	343.4	343.4
218.0	11241	-48.5	-82.5	1	0.00	39	11	347.1	347.2	347.1
216.8	11278	-48.0	-82.4	1	0.00	40	11	348.5	348.5	348.5
215.0	11332	-47.3	-82.3	1	0.00	33	11	350.4	350.4	350.4
208.0	11550	-47.5	-82.5	1	0.00	4	13	353.4	353.4	353.4
207.0	11582	-47.3	-82.3	1	0.00	0	13	354.3	354.3	354.3
200.0	11810	-45.5	-80.5	1	0.00	5	13	360.6	360.6	360.6
197.7	11887	-45.7	-80.7	1	0.00	5	12	361.5	361.5	361.5
192.0	12082	-46.1	-81.1	1	0.00	27	11	363.8	363.8	363.8
191.0	12117	-45.3	-80.3	1	0.00	31	10	365.6	365.7	365.6
188.9	12192	-45.3	-80.3	1	0.00	40	10	366.8	366.8	366.8
186.0	12295	-45.3	-80.3	1	0.00	40	10	368.4	368.4	368.4
180.5	12497	-43.8	-79.5	1	0.00	40	11	374.0	374.0	374.0
177.0	12628	-42.9	-78.9	1	0.00	36	11	377.6	377.6	377.6
161.0	13267	-44.3	-80.3	1	0.00	18	9	385.6	385.6	385.6
150.0	13740	-46.3	-81.3	1	0.00	5	8	390.1	390.1	390.1
141.0	14150	-47.5	-82.5	1	0.00	351	11	394.9	394.9	394.9
131.0	14638	-46.9	-81.9	1	0.00	335	15	404.4	404.4	404.4
126.0	14897	-45.7	-80.7	1	0.00	326	17	411.1	411.1	411.1
125.3	14935	-45.8	-80.8	1	0.00	325	17	411.6	411.6	411.6
119.7	15240	-46.7	-81.7	1	0.00	335	12	415.4	415.4	415.4
116.0	15446	-47.3	-82.3	1	0.00	337	11	417.9	418.0	417.9
108.0	15920	-46.7	-81.7	1	0.00	341	9	427.7	427.7	427.7
100.0	16430	-47.5	-82.5	1	0.00	345	6	435.7	435.7	435.7
90.8	17069	-46.3	-81.3	1	0.01	300	11	450.2	450.3	450.2
89.5	17165	-46.1	-81.1	1	0.01	301	10	452.5	452.5	452.5
76.8	18178	-48.3	-82.3	1	0.01	309	4	468.1	468.2	468.1
75.5	18288	-48.1	-82.3	1	0.01	310	3	470.7	470.8	470.7
70.0	18790	-47.3	-82.3	1	0.01	35	7	482.8	482.9	482.8

Station information and sounding indices

Station identifier: PANC
 Station number: 70273
 Observation time: 150724/0000
 Station latitude: 61.16
 Station longitude: -150.01
 Station elevation: 40.0
 Showalter index: 3.86
 Lifted index: 3.19

LIFT computed using virtual temperature: 3.11
 SWEAT index: 53.79
 K index: 21.10
 Cross totals index: 20.70
 Vertical totals index: 26.70

Totals totals index: 47.40
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: 278.82
Pres [hPa] of the Lifted Condensation Level: 865.70
Mean mixed layer potential temperature: 290.56
Mean mixed layer mixing ratio: 6.69
1000 hPa to 500 hPa thickness: 5521.00
Precipitable water [mm] for entire sounding: 19.22

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)
