

70219 PABE Bethel 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	33	12.2	9.0	81	7.19	290	4	284.6	304.8	285.9
1000.0	104	10.6	5.6	71	5.73	285	8	283.8	299.9	284.7
995.0	146	10.2	5.2	71	5.60	284	8	283.8	299.6	284.7
976.0	305	8.7	4.6	75	5.46	280	9	283.9	299.3	284.8
940.6	610	5.9	3.4	84	5.20	260	5	284.0	298.8	284.9
939.0	624	5.8	3.3	84	5.19	259	5	284.0	298.7	284.9
925.0	747	4.8	2.9	87	5.12	255	7	284.2	298.8	285.1
906.2	914	3.7	2.1	89	4.93	250	6	284.8	298.8	285.6
887.0	1088	2.6	1.2	90	4.73	253	7	285.4	298.9	286.2
872.7	1219	1.9	0.1	88	4.44	255	7	285.9	298.7	286.7
855.0	1385	1.0	-1.3	85	4.09	259	9	286.7	298.6	287.4
850.0	1432	0.8	-3.2	75	3.57	260	10	287.0	297.4	287.6
844.0	1489	0.8	-6.2	59	2.86	260	10	287.6	296.1	288.1
827.0	1653	1.4	-3.6	69	3.56	260	9	289.9	300.4	290.5
813.0	1790	0.2	-7.8	55	2.63	260	8	290.0	297.9	290.5
809.0	1829	0.1	-7.9	55	2.61	260	8	290.3	298.2	290.7
798.0	1939	-0.3	-8.3	55	2.57	264	7	291.0	298.8	291.5
790.0	2019	-0.9	-11.9	43	1.95	266	7	291.2	297.2	291.6
778.7	2134	-1.1	-11.8	44	2.01	270	6	292.2	298.4	292.5
760.0	2328	-1.5	-11.5	46	2.10	292	4	293.8	300.3	294.2
754.0	2391	-0.9	-7.9	59	2.81	300	3	295.1	303.8	295.6
749.6	2438	-1.2	-8.9	56	2.61	305	3	295.3	303.4	295.8
737.0	2573	-1.9	-11.9	46	2.09	272	4	296.0	302.5	296.3
721.4	2743	-2.2	-10.9	51	2.32	230	5	297.5	304.8	297.9
713.0	2836	-2.3	-10.3	54	2.46	220	5	298.3	306.1	298.8
700.0	2982	-2.9	-10.9	54	2.39	205	6	299.2	306.8	299.7
681.0	3200	-4.3	-12.3	54	2.20	211	5	300.0	307.0	300.4
664.0	3399	-4.9	-14.9	45	1.82	217	5	301.5	307.4	301.9
654.0	3518	-5.5	-14.5	49	1.91	221	4	302.2	308.4	302.5
642.5	3658	-6.0	-17.0	41	1.58	225	4	303.2	308.3	303.4
626.0	3861	-6.7	-20.7	32	1.18	228	4	304.6	308.6	304.8
593.9	4267	-9.3	-26.6	23	0.74	235	4	306.2	308.7	306.3
548.8	4877	-13.3	-35.5	14	0.34	285	6	308.5	309.7	308.5
542.0	4972	-13.9	-36.9	12	0.30	280	6	308.8	309.9	308.9
500.0	5580	-18.7	-40.7	13	0.22	250	4	310.2	311.0	310.2
465.9	6096	-22.6	-43.0	14	0.19	150	3	311.6	312.3	311.7
422.0	6819	-28.1	-46.1	16	0.15	127	8	313.6	314.1	313.6
407.0	7077	-30.5	-40.5	37	0.28	119	9	313.7	314.8	313.8
400.0	7200	-31.1	-43.1	30	0.21	115	10	314.5	315.3	314.5
399.0	7218	-31.3	-43.3	30	0.21	115	10	314.4	315.2	314.5
385.0	7470	-33.7	-43.7	36	0.21	112	11	314.5	315.3	314.6
376.8	7620	-34.9	-45.7	33	0.17	110	11	314.8	315.5	314.9
364.0	7861	-36.9	-48.9	28	0.12	161	5	315.3	315.8	315.4
360.6	7925	-37.1	-51.6	21	0.09	175	3	315.9	316.3	316.0
356.0	8014	-37.3	-55.3	14	0.06	213	5	316.8	317.1	316.8
345.0	8230	-38.4	-57.7	11	0.05	305	11	318.2	318.4	318.2
332.0	8494	-39.7	-60.7	9	0.03	288	17	319.9	320.0	319.9
330.1	8534	-40.0	-60.0	10	0.04	285	18	320.0	320.2	320.0
321.0	8724	-41.5	-56.5	18	0.06	288	20	320.5	320.7	320.5
311.0	8938	-43.1	-60.1	14	0.04	292	23	321.2	321.3	321.2
301.6	9144	-44.5	-58.1	21	0.05	295	25	322.1	322.3	322.1
300.0	9180	-44.7	-57.7	22	0.05	295	25	322.2	322.5	322.2
295.0	9292	-45.3	-57.3	25	0.06	294	26	322.9	323.2	323.0

278.0	9685	-48.5	-60.5	24	0.04	291	28	323.9	324.0	323.9
275.1	9754	-48.8	-61.3	22	0.04	290	28	324.4	324.5	324.4
266.0	9974	-49.9	-63.9	18	0.03	295	23	325.9	326.0	325.9
262.0	10073	-49.7	-64.7	16	0.02	295	23	327.6	327.7	327.6
258.0	10173	-48.5	-66.5	11	0.02	295	24	330.8	330.9	330.8
254.0	10276	-49.1	-70.1	7	0.01	295	24	331.4	331.5	331.4
250.0	10380	-48.3	-71.3	5	0.01	295	25	334.1	334.2	334.1
245.0	10513	-48.5	-74.5	3	0.01	295	25	335.8	335.8	335.8
239.0	10676	-47.3	-78.3	2	0.00	295	25	339.9	340.0	340.0
237.0	10731	-46.1	-78.1	1	0.00	295	25	342.6	342.6	342.6
229.0	10958	-46.5	-81.5	1	0.00	295	25	345.4	345.4	345.4
223.0	11135	-45.1	-80.1	1	0.00	295	24	350.1	350.1	350.1
218.0	11285	-45.3	-80.3	1	0.00	295	24	352.1	352.1	352.1
212.0	11471	-44.3	-80.3	1	0.00	295	24	356.5	356.5	356.5
200.0	11860	-45.1	-80.1	1	0.00	295	24	361.2	361.2	361.2
191.0	12167	-45.7	-80.7	1	0.00	293	23	365.0	365.0	365.0
166.0	13105	-44.7	-79.7	1	0.00	289	19	381.6	381.6	381.6
159.0	13393	-46.3	-81.3	1	0.00	287	18	383.6	383.6	383.6
150.0	13780	-46.7	-81.7	1	0.00	285	17	389.4	389.4	389.4
148.0	13869	-46.9	-81.9	1	0.00	286	17	390.5	390.6	390.5
134.0	14527	-46.1	-81.1	1	0.00	295	14	403.2	403.2	403.2
127.0	14882	-47.7	-82.7	1	0.00	300	13	406.5	406.6	406.5
123.0	15093	-47.7	-82.7	1	0.00	303	13	410.3	410.3	410.3
120.3	15240	-46.8	-81.8	1	0.00	305	12	414.6	414.6	414.6
119.0	15311	-46.3	-81.3	1	0.00	304	12	416.7	416.8	416.7
113.0	15653	-47.3	-82.3	1	0.00	302	12	421.1	421.1	421.1
108.0	15952	-47.1	-82.1	1	0.00	299	12	426.9	427.0	426.9
103.0	16265	-47.9	-81.9	1	0.00	297	12	431.2	431.3	431.2
100.0	16460	-46.9	-81.9	1	0.00	295	12	436.8	436.9	436.8
95.5	16764	-47.3	-82.0	1	0.01	320	11	441.8	441.9	441.8
87.0	17381	-48.1	-82.1	1	0.01	348	9	452.1	452.2	452.1
81.4	17821	-46.3	-81.3	1	0.01	9	7	464.5	464.6	464.5
75.9	18288	-47.0	-81.6	1	0.01	30	5	472.4	472.4	472.4
70.0	18820	-47.9	-81.9	1	0.01	5	5	481.5	481.6	481.6

Station information and sounding indices

Station identifier: PABE

Station number: 70219

Observation time: 150724/0000

Station latitude: 60.78

Station longitude: -161.84

Station elevation: 33.0

Showalter index: 12.10

Lifted index: 10.50

LIFT computed using virtual temperature: 10.43

SWEAT index: 24.01

K index: 8.30

Cross totals index: 15.50

Vertical totals index: 19.50

Totals totals index: 35.00

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: 277.20

Pres [hPa] of the Lifted Condensation Level: 919.91

Mean mixed layer potential temperature: 283.90

Mean mixed layer mixing ratio: 5.61

1000 hPa to 500 hPa thickness: 5476.00

Precipitable water [mm] for entire sounding: 14.52

Description of the [data columns](#) or [sounding indices](#).

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