

72659 ABR Aberdeen Observations at 12Z 30 Jan 2019

PRES hPa	HGHT m	TEMP C	DWPT C	RELH %	MIXR g/kg	DRCT deg	SKNT knot	THTA K	THTE K	THTV K
1000.0	251									
980.0	396	-32.7	-36.1	72	0.18	315	3	241.8	242.3	241.9
979.0	403	-32.3	-37.2	62	0.16	315	3	242.3	242.8	242.3
973.0	447	-32.3	-37.3	61	0.16	314	4	242.7	243.2	242.8
964.0	512	-30.1	-35.1	62	0.20	312	6	245.6	246.2	245.6
950.8	610	-30.8	-35.3	64	0.20	310	9	245.9	246.5	245.9
937.0	714	-31.5	-35.6	67	0.20	315	11	246.2	246.8	246.2
925.0	805	-31.7	-35.6	68	0.20	320	12	246.9	247.5	246.9
910.8	914	-31.7	-35.4	69	0.21	320	14	248.0	248.6	248.0
900.0	999	-31.7	-35.3	70	0.21	321	16	248.8	249.4	248.9
872.5	1219	-30.6	-34.9	66	0.23	325	22	252.2	252.8	252.2
850.0	1404	-29.7	-34.6	62	0.24	325	27	255.0	255.7	255.1
844.0	1455	-29.7	-34.7	62	0.24	326	28	255.5	256.2	255.6
813.0	1723	-27.5	-34.5	51	0.25	329	32	260.6	261.4	260.7
801.0	1829	-27.5	-35.7	46	0.23	330	34	261.7	262.4	261.8
767.8	2134	-27.5	-39.0	33	0.17	325	33	264.9	265.5	264.9
736.0	2438	-27.5	-42.3	23	0.13	325	35	268.1	268.6	268.1
734.0	2458	-27.5	-42.5	23	0.12	325	35	268.3	268.8	268.4
705.4	2743	-28.8	-48.2	14	0.07	325	37	270.0	270.3	270.0
702.0	2778	-28.9	-48.9	13	0.06	328	38	270.2	270.4	270.2
700.0	2798	-28.9	-48.9	13	0.06	330	39	270.4	270.7	270.5
687.0	2933	-27.9	-50.9	9	0.05	330	41	273.0	273.2	273.0
624.0	3620	-30.7	-54.7	8	0.04	330	52	277.4	277.6	277.4
620.7	3658	-30.8	-55.0	7	0.04	330	53	277.8	277.9	277.8
571.0	4250	-31.7	-59.7	5	0.02	325	71	283.4	283.5	283.4
569.6	4267	-31.8	-59.5	5	0.02	325	72	283.5	283.6	283.5
530.0	4775	-34.5	-53.5	13	0.05	325	78	286.1	286.3	286.1
522.3	4877	-35.3	-52.0	16	0.06	325	79	286.4	286.6	286.4
500.0	5180	-37.7	-47.7	34	0.10	325	80	287.0	287.4	287.0
490.0	5318	-38.7	-47.7	38	0.11	325	80	287.4	287.8	287.5
461.0	5733	-41.7	-51.7	33	0.07	325	81	288.8	289.0	288.8
436.6	6096	-43.9	-56.1	24	0.04	325	81	290.6	290.7	290.6
417.1	6401	-45.6	-59.9	19	0.03	325	85	292.1	292.2	292.1
412.0	6483	-46.1	-60.9	17	0.03	325	85	292.5	292.6	292.5
400.0	6680	-47.3	-63.3	14	0.02	325	84	293.4	293.5	293.4
390.0	6847	-48.3	-64.3	14	0.02	326	84	294.3	294.3	294.3
346.3	7620	-51.0	-68.5	11	0.01	330	83	300.7	300.7	300.7
331.0	7915	-52.1	-70.1	10	0.01	330	83	303.2	303.2	303.2
300.0	8550	-52.3	-73.3	6	0.01	330	81	311.5	311.6	311.5
288.0	8816	-52.5	-74.5	5	0.01	330	80	314.9	314.9	314.9
275.0	9117	-50.9	-74.9	4	0.01	330	79	321.4	321.4	321.4
273.9	9144	-51.0	-75.5	4	0.00	330	79	321.6	321.6	321.6
266.0	9334	-51.7	-79.7	2	0.00	330	79	323.3	323.3	323.3
259.0	9509	-51.1	-83.1	1	0.00	330	80	326.6	326.7	326.6
250.0	9740	-51.3	-85.3	1	0.00	330	80	329.7	329.7	329.7
241.0	9977	-51.3	-84.3	1	0.00	329	78	333.1	333.1	333.1
237.0	10086	-50.3	-84.3	1	0.00	329	76	336.2	336.2	336.2
219.0	10599	-49.5	-83.5	1	0.00	327	71	345.1	345.2	345.1
200.0	11190	-50.3	-84.3	1	0.00	325	65	352.9	353.0	352.9
188.3	11582	-50.8	-84.3	1	0.00	330	60	358.2	358.2	358.2
178.0	11950	-51.3	-84.3	1	0.00	328	60	363.3	363.3	363.3
166.0	12403	-52.9	-85.9	1	0.00	324	59	367.9	367.9	367.9
160.0	12642	-52.1	-85.1	1	0.00	323	59	373.1	373.2	373.1
150.0	13060	-52.5	-85.5	1	0.00	320	58	379.4	379.4	379.4
142.0	13415	-52.5	-85.5	1	0.00	316	59	385.4	385.4	385.4
140.0	13506	-52.1	-85.1	1	0.00	315	59	387.7	387.7	387.7
138.0	13599	-52.9	-85.9	1	0.00	314	59	387.9	387.9	387.9

133.0	13838	-52.5	-85.5	1	0.00	312	60	392.7	392.7	392.7
130.0	13985	-53.7	-86.7	1	0.00	310	60	393.1	393.1	393.1
129.3	14021	-53.8	-86.7	1	0.00	310	60	393.6	393.6	393.6
119.0	14552	-55.1	-87.1	1	0.00	317	56	400.6	400.6	400.6
110.0	15056	-54.1	-87.1	1	0.00	323	52	411.6	411.6	411.6
106.9	15240	-53.7	-86.7	1	0.00	325	50	415.7	415.7	415.7
100.0	15670	-52.7	-85.7	1	0.00	305	46	425.6	425.6	425.6
77.2	17335	-54.3	-87.3	1	0.00	309	41	455.0	455.0	455.0
70.0	17960	-56.3	-88.3	1	0.00	310	39	463.6	463.6	463.6
66.5	18288	-57.5	-88.9	1	0.00	305	41	467.9	467.9	467.9
64.3	18495	-58.3	-89.3	1	0.00	305	39	470.6	470.6	470.6
55.5	19423	-56.1	-88.1	1	0.00	305	31	495.8	495.9	495.8
52.2	19812	-57.5	-88.9	1	0.00	305	27	501.4	501.4	501.4
50.0	20080	-58.5	-89.5	1	0.00	305	31	505.2	505.2	505.2
49.8	20105	-58.7	-89.7	1	0.00	307	31	505.3	505.3	505.3
47.4	20422	-58.4	-89.6	1	0.00	330	35	513.5	513.5	513.5
41.0	21336	-57.3	-89.3	1	0.00	295	24	537.8	537.8	537.8
40.8	21359	-57.3	-89.3	1	0.00	294	24	538.4	538.4	538.4
39.0	21641	-58.7	-90.1	1	0.00	285	27	541.9	541.9	541.9
34.7	22370	-62.3	-92.3	1	0.00	301	33	550.8	550.9	550.8
33.7	22555	-60.8	-91.4	1	0.00	305	35	559.5	559.5	559.5
31.3	23013	-57.1	-89.1	1	0.00	275	25	581.3	581.3	581.3
30.6	23165	-58.2	-89.7	1	0.00	265	22	582.2	582.3	582.2
30.0	23280	-59.1	-90.1	1	0.00	265	22	582.9	583.0	582.9
29.1	23470	-60.1	-91.0	1	0.00	270	22	585.2	585.2	585.2
25.6	24263	-64.5	-94.5	1	0.00	292	35	594.6	594.6	594.6
25.1	24384	-64.4	-94.4	1	0.00	295	37	598.4	598.4	598.4
24.2	24607	-64.1	-94.1	1	0.00	296	40	605.4	605.4	605.4
23.2	24867	-61.3	-92.3	1	0.00	298	44	620.9	621.0	620.9
22.1	25168	-61.9	-91.9	1	0.00	299	48	627.8	627.9	627.8
21.6	25298	-61.4	-91.7	1	0.00	300	50	632.9	633.0	632.9
20.6	25603	-60.4	-91.1	1	0.00	300	40	645.1	645.2	645.1
20.0	25790	-59.7	-90.7	1	0.01	280	29	652.7	652.8	652.7
19.6	25908	-59.2	-90.2	1	0.01	285	29	657.6	657.7	657.6
19.5	25948	-59.1	-90.1	1	0.01	286	29	659.3	659.4	659.3
16.1	27127	-61.1	-91.4	1	0.01	305	32	689.4	689.5	689.4
15.4	27432	-61.6	-91.8	1	0.01	285	24	697.4	697.5	697.4
14.7	27706	-62.1	-92.1	1	0.01	285	37	704.7	704.8	704.7
13.9	28042	-61.0	-91.6	1	0.01	285	52	719.2	719.3	719.2
13.4	28281	-60.3	-91.3	1	0.01	284	51	729.8	729.9	729.8
12.1	28925	-54.7	-86.7	1	0.02	280	49	771.1	771.4	771.1
11.1	29475	-55.7	-87.7	1	0.02	277	47	786.8	787.0	786.8
10.4	29870	-53.7	-86.4	1	0.02	275	45	808.2	808.5	808.2
10.2	30017	-52.9	-85.9	1	0.02			816.4	816.7	816.4

Station information and sounding indices

Station identifier: ABR

Station number: 72659

Observation time: 190130/1200

Station latitude: 45.45

Station longitude: -98.43

Station elevation: 396.0

Showalter index: 25.70

Lifted index: 33.49

LIFT computed using virtual temperature: 33.50

SWEAT index: 133.99

K index: -46.60

Cross totals index: 3.10

Vertical totals index: 8.00

Totals totals index: 11.10

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: 236.66
Pres [hPa] of the Lifted Condensation Level: 877.63
Mean mixed layer potential temperature: 245.68
Mean mixed layer mixing ratio: 0.19
1000 hPa to 500 hPa thickness: 4929.00
Precipitable water [mm] for entire sounding: 0.72

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:ldoolman@uwyo.edu)
