

71600 WSA Sable Island 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
1007.0	5	15.8	14.8	94	10.61	250	8	288.4	318.2	290.2
1005.0	21	15.6	14.7	94	10.57	253	11	288.3	318.0	290.2
1000.0	61	16.0	15.3	96	11.05	260	18	289.1	320.3	291.1
980.0	234	18.4	13.5	73	10.01	281	26	293.2	322.1	295.0
971.9	305	17.9	13.1	73	9.82	290	29	293.4	321.7	295.2
937.8	610	15.8	11.3	75	9.03	300	25	294.3	320.5	295.9
925.0	727	15.0	10.6	75	8.75	300	24	294.6	320.1	296.2
904.7	914	13.6	10.1	80	8.65	300	23	295.1	320.2	296.6
872.5	1219	11.3	9.3	88	8.49	285	17	295.7	320.5	297.2
869.0	1253	11.0	9.2	89	8.47	285	17	295.8	320.5	297.3
850.0	1438	10.2	7.5	83	7.71	285	18	296.8	319.5	298.2
846.0	1477	9.8	7.6	86	7.80	280	21	296.8	319.8	298.2
841.3	1524	9.7	6.2	79	7.14	275	24	297.2	318.3	298.5
832.0	1616	9.6	3.6	66	5.99	275	24	298.0	315.9	299.1
810.7	1829	8.1	3.2	72	5.99	275	24	298.6	316.5	299.7
781.2	2134	5.8	2.7	80	5.98	290	24	299.4	317.4	300.5
760.0	2360	4.2	2.3	87	5.98	290	25	300.0	318.0	301.1
756.0	2403	4.0	0.5	78	5.28	290	26	300.2	316.2	301.2
752.8	2438	4.2	-0.3	72	4.98	290	26	300.8	316.0	301.7
742.0	2556	4.8	-3.2	56	4.09	284	27	302.7	315.4	303.4
725.1	2743	4.1	-6.2	47	3.32	275	28	304.0	314.4	304.6
707.0	2948	3.4	-9.6	38	2.62	268	29	305.4	313.8	305.8
700.0	3029	3.2	-9.8	38	2.61	265	30	306.0	314.4	306.5
671.0	3371	1.6	-10.4	41	2.59	265	33	307.9	316.4	308.4
647.5	3658	0.6	-19.2	21	1.30	265	35	309.9	314.3	310.1
644.0	3702	0.4	-20.6	19	1.16	264	35	310.2	314.2	310.4
623.4	3962	-2.0	-20.5	23	1.21	255	36	310.4	314.5	310.6
619.0	4018	-2.5	-20.5	24	1.22	255	36	310.4	314.6	310.6
599.8	4267	-4.2	-28.9	13	0.59	255	34	311.2	313.3	311.3
599.0	4278	-4.3	-29.3	12	0.57	255	34	311.2	313.3	311.4
586.0	4450	-5.3	-40.3	4	0.20	257	35	312.0	312.8	312.1
565.0	4736	-7.1	-26.1	20	0.81	259	36	313.2	316.1	313.3
563.0	4764	-7.1	-38.1	6	0.26	259	36	313.5	314.5	313.6
554.9	4877	-7.9	-34.7	10	0.36	260	37	313.9	315.3	314.0
536.0	5145	-9.7	-26.7	24	0.81	258	41	314.8	317.7	315.0
528.0	5262	-9.9	-44.9	4	0.13	258	43	315.9	316.5	316.0
505.0	5604	-12.1	-32.1	17	0.52	255	48	317.3	319.2	317.4
500.0	5680	-12.7	-37.7	10	0.30	255	49	317.5	318.6	317.6
482.0	5959	-14.1	-52.1	2	0.06	258	54	319.1	319.4	319.1
473.4	6096	-14.8	-50.8	3	0.08	260	56	319.9	320.2	319.9
465.0	6231	-15.5	-49.5	4	0.09	260	56	320.7	321.0	320.7
400.0	7350	-24.3	-43.3	16	0.21	260	58	323.3	324.1	323.4
385.2	7620	-26.6	-43.0	20	0.22	255	58	323.8	324.7	323.9
366.0	7987	-29.7	-42.7	27	0.24	254	61	324.4	325.4	324.5
325.0	8820	-35.1	-55.1	11	0.07	251	69	328.2	328.5	328.2
310.0	9144	-37.9	-56.2	13	0.06	250	72	328.7	329.0	328.7
300.0	9370	-39.9	-56.9	15	0.06	250	73	329.0	329.3	329.0
272.0	10032	-45.3	-59.3	19	0.05	250	77	330.5	330.7	330.5
250.0	10590	-49.1	-62.1	20	0.04	250	80	332.9	333.1	332.9
247.0	10668	-49.5	-62.6	20	0.03	250	81	333.5	333.7	333.5
235.8	10973	-51.0	-64.6	18	0.03	250	85	335.7	335.9	335.7
235.0	10994	-51.1	-64.8	18	0.03	250	85	335.9	336.0	335.9
229.0	11163	-51.9	-65.9	17	0.02	250	81	337.1	337.2	337.1

224.0	11306	-52.1	-67.1	15	0.02	249	78	338.9	339.1	338.9
206.0	11855	-47.9	-78.9	2	0.00	246	67	353.8	353.8	353.8
200.0	12050	-48.3	-80.3	1	0.00	245	63	356.1	356.1	356.1
180.0	12740	-50.7	-81.7	1	0.00	247	54	363.1	363.1	363.1
174.0	12962	-49.9	-83.9	1	0.00	248	52	367.9	367.9	367.9
162.0	13429	-49.9	-83.9	1	0.00	249	46	375.5	375.5	375.5
155.0	13716	-51.0	-84.5	1	0.00	250	42	378.3	378.4	378.3
150.0	13930	-51.9	-84.9	1	0.00	245	41	380.4	380.4	380.4
142.0	14284	-53.1	-86.1	1	0.00	240	41	384.4	384.4	384.4
137.0	14515	-52.7	-85.7	1	0.00	240	46	389.0	389.0	389.0
134.6	14630	-52.9	-85.8	1	0.00	240	48	390.6	390.6	390.6
122.4	15240	-54.2	-86.5	1	0.00	245	40	399.0	399.0	399.0
118.0	15474	-54.7	-86.7	1	0.00	245	35	402.3	402.3	402.3
116.7	15545	-54.5	-86.6	1	0.00	245	33	403.9	403.9	403.9
102.0	16412	-51.9	-84.9	1	0.00	254	32	424.8	424.8	424.8
101.3	16459	-52.1	-85.1	1	0.00	255	32	425.2	425.2	425.2
100.0	16540	-52.5	-85.5	1	0.00	245	23	426.0	426.0	426.0
96.7	16756	-53.7	-86.7	1	0.00	231	22	427.8	427.8	427.8
96.6	16764	-53.6	-86.6	1	0.00	230	22	428.1	428.1	428.1
95.3	16851	-52.3	-85.3	1	0.00	234	21	432.3	432.3	432.3
87.9	17374	-53.6	-86.6	1	0.00	260	16	439.8	439.9	439.8
87.3	17416	-53.7	-86.7	1	0.00	263	16	440.5	440.5	440.5
84.8	17604	-52.1	-85.1	1	0.00	275	14	447.4	447.4	447.4
83.8	17678	-52.3	-85.3	1	0.00	280	13	448.4	448.4	448.4
80.0	17983	-53.2	-86.2	1	0.00	260	15	452.6	452.6	452.6
76.5	18269	-54.1	-87.1	1	0.00	279	10	456.6	456.6	456.6
76.3	18288	-54.1	-87.1	1	0.00	280	10	457.0	457.0	457.0
72.7	18593	-53.5	-86.5	1	0.00	160	13	464.4	464.4	464.4
70.0	18840	-53.1	-86.1	1	0.00	210	17	470.4	470.4	470.4
69.4	18898	-52.8	-86.0	1	0.00	215	16	472.2	472.3	472.2
65.7	19250	-51.1	-85.1	1	0.00	221	17	483.4	483.4	483.4
63.1	19507	-51.2	-85.1	1	0.00	225	18	488.6	488.7	488.6
60.2	19812	-51.4	-85.0	1	0.00	265	14	494.9	495.0	494.9
57.5	20117	-51.5	-85.0	1	0.01	295	11	501.3	501.4	501.3
54.8	20422	-51.6	-85.0	1	0.01	0	1	507.8	507.8	507.8
50.0	21020	-51.9	-84.9	1	0.01	70	8	520.7	520.8	520.7
49.9	21031	-51.9	-84.9	1	0.01	80	11	520.9	521.0	520.9
47.6	21336	-52.7	-85.7	1	0.01	120	15	526.2	526.2	526.2
47.0	21420	-52.9	-85.9	1	0.01	135	14	527.6	527.7	527.6
45.4	21641	-52.6	-85.7	1	0.01	175	10	533.4	533.4	533.4
43.4	21946	-52.3	-85.5	1	0.01	130	1	541.4	541.5	541.5
41.4	22250	-51.9	-85.2	1	0.01	80	10	549.6	549.7	549.6
39.5	22555	-51.6	-85.0	1	0.01	95	15	557.9	558.0	557.9
35.9	23165	-50.9	-84.5	1	0.01	70	12	574.9	575.0	574.9
34.3	23470	-50.5	-84.2	1	0.01	90	16	583.6	583.7	583.6
31.2	24079	-49.8	-83.7	1	0.01	75	16	601.3	601.4	601.3
30.0	24340	-49.5	-83.5	1	0.01	100	17	609.1	609.2	609.1
29.8	24384	-49.5	-83.5	1	0.01	100	17	610.2	610.3	610.2
28.4	24689	-49.7	-83.7	1	0.01	65	17	617.9	618.1	617.9
27.1	24994	-49.8	-83.8	1	0.01	80	20	625.8	625.9	625.8
26.7	25102	-49.9	-83.9	1	0.01	76	21	628.6	628.7	628.6
25.9	25298	-49.4	-83.5	1	0.01	70	22	635.4	635.5	635.4
24.8	25603	-48.6	-82.8	1	0.02	100	22	646.1	646.3	646.1
23.6	25908	-47.8	-82.2	1	0.02	75	18	657.0	657.2	657.1
22.6	26213	-47.0	-81.6	1	0.02	95	19	668.1	668.4	668.1
21.6	26518	-46.2	-80.9	1	0.03	80	22	679.4	679.7	679.4
20.0	27010	-44.9	-79.9	1	0.03	85	25	698.0	698.3	698.0
19.7	27127	-44.7	-79.8	1	0.04	85	27	702.1	702.5	702.1
18.8	27432	-44.1	-79.4	1	0.04	85	20	712.9	713.4	713.0
16.4	28346	-42.4	-78.2	1	0.05	80	31	746.4	747.0	746.5
13.7	29566	-40.0	-76.7	1	0.08	100	32	793.6	794.5	793.6

12.6	30175	-38.9	-75.9	1	0.10	85	30	818.2	819.4	818.2
12.0	30480	-38.3	-75.5	1	0.11	85	35	830.8	832.1	830.8
10.5	31394	-36.5	-74.3	1	0.15	100	39	869.6	871.6	869.7
10.1	31699	-36.0	-73.9	1	0.17	100	32	883.0	885.2	883.1
10.0	31730	-35.9	-73.9	1	0.17	100	33	884.4	886.6	884.5
8.4	32918	-33.2	-72.2	1	0.26	90	49	938.7	942.2	938.8
7.7	33528	-31.9	-71.3	1	0.33	95	34	967.8	972.3	968.0
7.1	34138	-30.5	-70.4	1	0.40	80	36	997.8	1003.5	998.0
7.0	34230	-30.3	-70.3	1	0.42	85	36	1002.4	1008.3	1002.6
6.5	34758	-29.7	-69.7	1	0.49			1026.3	1033.4	1026.7
6.5	34747	-29.7	-69.7	1	0.49	95	39	1025.8	1032.9	1026.2

Station information and sounding indices

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Station identifier: WSA
Station number: 71600
Observation time: 150724/0000
Station latitude: 43.93
Station longitude: -60.01
Station elevation: 5.0
Showalter index: 4.04
Lifted index: 3.23
LIFT computed using virtual temperature: 2.93
SWEAT index: 175.02
K index: 17.40
Cross totals index: 20.20
Vertical totals index: 22.90
Totals totals index: 43.10
Convective Available Potential Energy: 0.45
CAPE using virtual temperature: 2.10
Convective Inhibition: -72.90
CINS using virtual temperature: -60.36
Equilibrium Level: 754.68
Equilibrium Level using virtual temperature: 751.97
Level of Free Convection: 768.73
LFCT using virtual temperature: 779.24
Bulk Richardson Number: 0.06
Bulk Richardson Number using CAPV: 0.26
Temp [K] of the Lifted Condensation Level: 285.88
Pres [hPa] of the Lifted Condensation Level: 926.88
Mean mixed layer potential temperature: 292.17
Mean mixed layer mixing ratio: 10.09
1000 hPa to 500 hPa thickness: 5619.00
Precipitable water [mm] for entire sounding: 25.19

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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)
