

71119 WSE Edmonton Stony Plain Observations at 12Z 14 Jan 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	120									
925.0	766	-0.7	-3.9	79	3.11	230	5	278.6	287.4	279.1
924.0	775	-0.7	-4.3	77	3.02	235	6	278.7	287.3	279.2
919.0	818	3.6	-2.4	65	3.50	260	9	283.5	293.6	284.1
916.0	845	4.2	-1.8	65	3.67	276	11	284.4	295.0	285.0
915.0	854	4.0	-2.0	65	3.62	281	12	284.3	294.8	284.9
908.3	914	4.4	-2.2	62	3.58	315	17	285.3	295.7	285.9
894.0	1043	5.2	-2.8	56	3.50	311	22	287.4	297.7	288.0
874.9	1219	4.0	-3.6	58	3.37	305	28	287.9	297.9	288.5
850.0	1454	2.4	-4.6	60	3.21	305	36	288.6	298.2	289.2
810.7	1829	-0.7	-6.5	65	2.91	305	48	289.3	297.9	289.8
780.0	2134	-3.3	-8.1	69	2.68	305	50	289.7	297.8	290.2
750.6	2438	-5.8	-9.7	74	2.46	310	57	290.2	297.6	290.6
722.3	2743	-8.3	-11.2	80	2.26	300	53	290.6	297.5	291.0
712.0	2857	-9.3	-11.8	82	2.19	300	55	290.7	297.4	291.1
707.0	2911	-8.9	-13.7	68	1.89	300	56	291.8	297.6	292.1
703.0	2955	-5.5	-23.5	23	0.82	300	56	296.0	298.7	296.1
700.0	2989	-4.9	-25.9	18	0.67	300	57	297.0	299.3	297.1
694.8	3048	-4.7	-29.2	13	0.49	295	57	297.9	299.6	297.9
694.0	3057	-4.7	-29.7	12	0.47	295	57	298.0	299.6	298.1
677.0	3251	-5.1	-38.1	6	0.21	300	56	299.6	300.4	299.7
664.0	3403	-5.9	-31.9	11	0.40	304	56	300.4	301.8	300.5
642.4	3658	-8.3	-29.3	17	0.53	310	55	300.6	302.4	300.7
617.6	3962	-11.1	-26.2	28	0.73	315	58	300.7	303.2	300.9
609.0	4071	-12.1	-25.1	33	0.82	313	59	300.8	303.6	300.9
593.3	4267	-13.8	-27.0	32	0.71	310	60	301.1	303.5	301.2
547.1	4877	-19.1	-32.9	28	0.44	305	61	301.9	303.4	302.0
540.0	4975	-19.9	-33.9	28	0.41	303	62	302.0	303.4	302.1
531.0	5099	-21.1	-34.1	30	0.40	301	62	302.0	303.4	302.1
525.0	5182	-21.7	-32.8	36	0.46	300	63	302.3	303.9	302.4
500.0	5540	-24.3	-27.1	78	0.83	310	64	303.4	306.2	303.5
496.0	5599	-24.7	-27.0	81	0.85	311	65	303.6	306.4	303.7
476.0	5898	-25.5	-30.5	63	0.64	313	68	306.2	308.4	306.3
463.2	6096	-26.7	-31.3	65	0.61	315	70	307.1	309.2	307.2
452.0	6273	-27.7	-32.1	66	0.58	316	69	308.0	310.0	308.1
425.4	6706	-31.4	-34.4	75	0.49	320	65	308.6	310.4	308.7
422.0	6763	-31.9	-34.7	76	0.48	320	66	308.7	310.4	308.8
400.0	7140	-34.9	-38.2	72	0.36	320	70	309.6	310.9	309.6

373.0	7620	-38.2	-41.9	68	0.26	325	81	311.4	312.4	311.5
341.2	8230	-42.4	-46.5	64	0.17	335	86	313.7	314.4	313.7
335.0	8357	-43.3	-47.5	63	0.16	334	87	314.2	314.8	314.2
300.0	9090	-49.7	-55.7	49	0.07	330	90	315.2	315.5	315.2
297.5	9144	-50.2	-56.2	49	0.06	330	89	315.2	315.5	315.2
269.0	9790	-56.3	-62.3	47	0.03	330	98	315.6	315.7	315.6
250.0	10250	-59.9	-64.9	52	0.02	330	104	316.9	317.0	316.9
241.0	10479	-61.9	-66.7	53	0.02	333	109	317.2	317.3	317.2
233.7	10668	-63.4	-68.2	52	0.02	335	113	317.8	317.9	317.8
231.0	10738	-63.9	-68.8	51	0.02	335	113	318.1	318.1	318.1
213.0	11235	-67.7	-72.7	49	0.01	340	103	319.6	319.6	319.6
211.5	11278	-67.0	-72.5	46	0.01	340	107	321.2	321.3	321.3
204.0	11498	-63.7	-71.7	33	0.01	334	85	329.9	329.9	329.9
200.0	11620	-64.3	-75.3	21	0.01	330	73	330.8	330.8	330.8
198.0	11681	-64.5	-75.5	21	0.01	328	71	331.4	331.4	331.4
193.0	11839	-61.5	-76.5	12	0.01	322	66	338.6	338.7	338.6
191.5	11887	-61.3	-78.3	9	0.00	320	64	339.7	339.7	339.7
190.0	11936	-61.1	-80.1	6	0.00	319	63	340.8	340.8	340.8
189.0	11969	-61.3	-80.3	6	0.00	318	63	341.0	341.0	341.0
167.0	12736	-61.1	-84.1	3	0.00	301	55	353.6	353.6	353.6
165.3	12802	-60.1	-83.6	3	0.00	300	54	356.3	356.3	356.3
163.0	12888	-58.9	-82.9	3	0.00	300	60	359.8	359.8	359.8
157.4	13106	-58.6	-83.4	3	0.00	300	76	363.9	363.9	363.9
150.0	13411	-58.1	-84.1	2	0.00	310	60	369.8	369.8	369.8
150.0	13410	-58.1	-84.1	2	0.00	305	62	369.8	369.8	369.8
141.0	13800	-57.7	-84.7	2	0.00	308	60	377.1	377.1	377.1
130.0	14311	-60.1	-86.1	2	0.00	305	60	381.6	381.6	381.6
129.7	14326	-60.0	-86.0	2	0.00	305	60	382.1	382.2	382.1
126.0	14506	-58.3	-84.3	2	0.00	308	67	388.3	388.3	388.3
123.5	14630	-58.8	-84.6	2	0.00	310	71	389.7	389.7	389.7
117.7	14935	-59.9	-85.4	2	0.00	310	55	393.0	393.0	393.0
112.0	15240	-61.1	-86.2	2	0.00	295	60	396.4	396.4	396.4
110.0	15355	-61.5	-86.5	2	0.00	298	59	397.6	397.7	397.7
105.0	15645	-59.3	-86.3	2	0.00	305	56	407.2	407.2	407.2
101.6	15850	-60.5	-86.8	2	0.00	310	54	408.7	408.7	408.7
100.0	15950	-61.1	-87.1	2	0.00	310	54	409.4	409.4	409.4
86.4	16849	-66.3	-89.3	3	0.00	297	59	416.4	416.4	416.4
79.2	17374	-67.8	-89.4	3	0.00	290	62	423.8	423.8	423.8
76.1	17617	-68.5	-89.5	4	0.00	295	62	427.2	427.2	427.2
70.0	18120	-67.5	-88.5	4	0.00	300	64	439.6	439.7	439.6
64.7	18593	-68.3	-89.1	4	0.00	310	63	447.9	447.9	447.9
52.7	19812	-70.5	-90.7	4	0.00	305	74	469.7	469.7	469.7
50.0	20130	-71.1	-91.1	4	0.00	305	71	475.5	475.6	475.5
49.2	20225	-71.7	-91.7	4	0.00	305	70	476.3	476.3	476.3
44.0	20890	-66.7	-88.7	3	0.00	308	65	504.0	504.0	504.0
40.8	21336	-67.7	-89.5	3	0.00	310	62	512.4	512.5	512.4

36.9	21946	-69.0	-90.5	3	0.00	300	54	524.2	524.2	524.2
35.0	22250	-69.7	-91.1	3	0.00	310	73	530.2	530.2	530.2
31.6	22860	-71.0	-92.2	3	0.00	310	68	542.4	542.4	542.4
30.0	23170	-71.7	-92.7	3	0.00	305	69	548.6	548.6	548.6
29.2	23328	-72.3	-93.3	3	0.00	305	73	551.2	551.2	551.2
27.1	23774	-70.7	-92.7	3	0.00	305	86	567.7	567.7	567.7
23.1	24717	-67.3	-91.3	2	0.00	305	76	604.1	604.1	604.1
22.1	24994	-67.6	-91.9	2	0.00	305	73	611.3	611.4	611.3
21.0	25298	-67.8	-92.5	2	0.00	315	77	619.4	619.5	619.4
20.0	25580	-68.1	-93.1	2	0.00	310	78	627.0	627.0	627.0
16.3	26822	-69.2	-93.3	2	0.00	300	87	661.6	661.7	661.6
16.0	26918	-69.3	-93.3	2	0.00	301	85	664.4	664.4	664.4
14.7	27432	-72.6	-95.3	2	0.00	305	76	670.2	670.3	670.2
14.0	27707	-74.3	-96.3	2	0.00	310	76	673.3	673.3	673.3
13.9	27737	-73.8	-96.0	2	0.00	310	76	675.9	675.9	675.9
13.1	28100	-68.3	-92.3	2	0.01	295	85	706.9	707.0	706.9
12.6	28346	-67.6	-92.5	2	0.01	285	91	717.6	717.7	717.6
12.5	28382	-67.5	-92.5	2	0.01	286	91	719.2	719.3	719.2
11.9	28651	-68.7	-93.3	2	0.01	290	94	724.3	724.4	724.3
10.9	29201	-71.1	-95.1	2	0.00	299	97	734.8	734.9	734.8
10.8	29261	-70.4	-94.7	2	0.00	300	97	739.6	739.7	739.6
10.0	29720	-64.7	-91.7	1	0.01	300	97	777.0	777.1	777.0
9.3	30175	-64.6	-91.6	1	0.01	295	101	794.1	794.3	794.1
9.0	30363	-64.5	-91.5	1	0.01	295	101	801.3	801.5	801.4
8.8	30480	-64.5	-91.5	1	0.01	295	91	805.8	806.0	805.9
8.7	30570	-64.5	-91.5	1	0.01			809.3	809.5	809.3

Station information and sounding indices

Station identifier: WSE

Station number: 71119

Observation time: 150114/1200

Station latitude: 53.53

Station longitude: -114.10

Station elevation: 766.0

Showalter index: 5.96

Lifted index: 7.46

LIFT computed using virtual temperature: 7.51

SWEAT index: 135.99

K index: 1.10

Cross totals index: 19.70

Vertical totals index: 26.70

Totals totals index: 46.40

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: 268.82
Pres [hPa] of the Lifted Condensation Level: 805.46
Mean mixed layer potential temperature: 285.98
Mean mixed layer mixing ratio: 3.46
1000 hPa to 500 hPa thickness: 5420.00
Precipitable water [mm] for entire sounding: 8.53

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)
