

71119 WSE Edmonton Stony Plain Observations at 12Z 10 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	191									
928.0	766	-16.3	-20.6	69	0.80	0	2	262.4	264.7	262.5
925.0	794	-16.9	-21.9	65	0.72	0	9	262.0	264.1	262.1
915.0	876	-17.5	-21.8	69	0.73	31	6	262.2	264.3	262.3
910.3	914	-17.3	-22.9	62	0.67	45	5	262.8	264.8	262.9
905.0	958	-17.1	-24.1	55	0.61	53	5	263.5	265.2	263.6
902.0	983	-16.5	-25.5	46	0.54	58	5	264.3	265.9	264.4
895.0	1042	-13.7	-36.7	12	0.19	68	5	267.8	268.4	267.8
879.0	1179	-12.7	-41.7	7	0.11	93	4	270.2	270.6	270.2
874.4	1219	-12.7	-41.5	7	0.12	100	4	270.7	271.1	270.7
850.0	1435	-12.5	-40.5	8	0.13	70	5	273.0	273.5	273.1
807.5	1829	-10.3	-43.0	5	0.11	340	8	279.4	279.8	279.5
797.0	1929	-9.7	-43.7	4	0.10	342	9	281.1	281.4	281.1
780.0	2095	-10.3	-37.3	9	0.20	344	11	282.2	282.9	282.2
776.1	2134	-10.8	-27.4	24	0.53	345	11	282.0	283.7	282.1
774.0	2155	-11.1	-22.1	40	0.85	343	11	281.9	284.6	282.1
769.0	2204	-11.7	-21.7	43	0.88	337	11	281.8	284.6	282.0
765.0	2244	-11.9	-21.9	43	0.87	332	11	282.0	284.7	282.2
761.0	2284	-10.3	-12.2	86	1.98	328	11	284.2	290.1	284.5
752.0	2376	-10.3	-12.5	84	1.96	317	11	285.1	291.0	285.5
746.0	2438	-10.6	-12.8	84	1.92	310	11	285.5	291.2	285.8
726.0	2646	-11.7	-13.8	84	1.82	310	13	286.5	292.0	286.8
716.9	2743	-10.8	-12.5	88	2.06	310	14	288.5	294.7	288.8
709.0	2829	-10.1	-11.3	91	2.28	305	14	290.2	297.2	290.6
700.0	2927	-10.9	-12.0	92	2.19	300	15	290.4	297.1	290.8
689.0	3048	-11.6	-12.2	95	2.19	290	18	291.0	297.6	291.4
677.0	3183	-12.3	-12.4	99	2.19	294	21	291.6	298.3	292.0
636.0	3658	-14.0	-14.6	96	1.96	310	33	294.9	301.0	295.3
586.9	4267	-16.2	-17.3	91	1.68	300	36	299.2	304.6	299.5
572.0	4462	-16.9	-18.2	90	1.60	298	38	300.6	305.8	300.9
541.1	4877	-19.6	-21.4	85	1.28	295	43	302.1	306.4	302.4
536.0	4948	-20.1	-22.0	85	1.23	296	43	302.4	306.5	302.6
500.0	5460	-23.7	-24.7	91	1.04	300	42	304.1	307.6	304.3
495.0	5533	-24.3	-25.0	94	1.02	299	42	304.2	307.7	304.4
457.4	6096	-28.5	-29.9	88	0.71	295	44	306.0	308.4	306.1
400.0	7050	-35.5	-38.1	77	0.36	300	48	308.8	310.1	308.8
391.0	7208	-36.9	-40.2	71	0.30	299	50	308.9	310.1	309.0
375.0	7495	-39.1	-40.4	87	0.30	296	53	309.8	310.9	309.8

368.1	7620	-40.2	-41.5	87	0.27	295	55	310.0	311.0	310.0
319.0	8580	-48.5	-50.4	80	0.12	295	49	311.4	311.8	311.4
300.0	8980	-51.7	-55.5	64	0.07	295	47	312.4	312.6	312.4
292.5	9144	-53.2	-57.1	62	0.06	295	47	312.5	312.7	312.5
292.0	9156	-53.3	-57.2	62	0.06	295	47	312.5	312.8	312.5
275.0	9543	-55.3	-60.3	54	0.04	298	44	315.0	315.2	315.0
266.1	9754	-56.8	-61.7	53	0.04	300	43	315.9	316.0	315.9
250.0	10150	-59.5	-64.4	53	0.03	295	45	317.5	317.6	317.5
233.0	10589	-61.1	-66.1	51	0.02	299	48	321.5	321.6	321.5
230.0	10668	-61.6	-66.6	52	0.02	300	48	321.9	322.0	321.9
225.0	10805	-62.5	-67.4	52	0.02	300	50	322.6	322.7	322.6
218.9	10973	-62.8	-67.7	51	0.02	295	54	324.7	324.8	324.7
212.0	11171	-63.1	-68.1	51	0.02	300	57	327.2	327.3	327.2
200.0	11530	-62.5	-69.5	38	0.02	310	62	333.6	333.7	333.6
198.3	11582	-62.5	-69.5	38	0.02	310	62	334.4	334.5	334.4
198.0	11592	-62.5	-69.5	38	0.02	310	62	334.6	334.7	334.6
189.0	11881	-57.9	-70.9	17	0.01	300	66	346.5	346.5	346.5
188.8	11887	-57.9	-71.0	17	0.01	300	66	346.5	346.6	346.5
174.0	12398	-60.1	-77.1	9	0.01	296	62	351.1	351.2	351.1
171.3	12497	-59.2	-77.0	8	0.01	295	61	354.2	354.3	354.2
167.0	12655	-57.7	-76.7	7	0.01	300	62	359.3	359.3	359.3
161.0	12885	-58.5	-77.5	7	0.01	308	64	361.7	361.7	361.7
155.4	13106	-57.6	-77.6	6	0.01	315	65	366.9	366.9	366.9
150.0	13330	-56.7	-77.7	5	0.01	310	63	372.2	372.2	372.2
142.0	13679	-54.7	-76.7	5	0.01	312	61	381.6	381.6	381.6
128.2	14326	-56.4	-80.0	4	0.01	315	58	389.8	389.8	389.8
116.5	14935	-58.0	-83.0	3	0.00	315	70	397.7	397.8	397.7
115.0	15017	-58.2	-83.5	3	0.00	315	70	398.8	398.8	398.8
111.0	15240	-58.8	-84.6	2	0.00	315	64	401.8	401.8	401.8
110.0	15300	-58.9	-84.9	2	0.00	315	63	402.5	402.6	402.5
100.8	15850	-57.8	-85.6	2	0.00	315	58	414.8	414.9	414.8
100.0	15900	-57.7	-85.7	2	0.00	315	58	416.0	416.0	416.0
87.4	16745	-59.9	-87.9	1	0.00	315	55	427.9	427.9	427.9
74.8	17722	-57.1	-87.1	1	0.00	315	51	453.2	453.2	453.2
70.0	18140	-58.5	-88.5	1	0.00	315	49	458.9	458.9	458.9
69.4	18194	-58.9	-88.9	1	0.00	316	50	459.2	459.2	459.2
62.1	18898	-58.1	-88.8	1	0.00	325	57	475.6	475.6	475.6
56.4	19507	-57.5	-88.8	1	0.00	315	51	490.3	490.4	490.3
50.0	20270	-56.7	-88.7	1	0.00	325	51	509.4	509.4	509.4
46.5	20726	-56.3	-88.3	1	0.00	335	45	521.0	521.0	521.0
42.3	21336	-55.7	-87.7	1	0.00	330	38	536.9	536.9	536.9
36.6	22250	-54.9	-86.9	1	0.01	320	46	561.5	561.6	561.6
36.5	22266	-54.9	-86.9	1	0.01	320	46	562.0	562.0	562.0
30.2	23470	-56.5	-88.5	1	0.01	335	37	589.1	589.1	589.1
30.0	23510	-56.5	-88.5	1	0.01	335	37	590.0	590.1	590.0
28.8	23774	-56.6	-88.6	1	0.01	320	36	596.8	596.8	596.8

25.7	24493	-56.9	-88.9	1	0.01	316	31	615.5	615.6	615.5
24.9	24689	-56.4	-88.5	1	0.01	315	30	622.5	622.6	622.5
21.6	25603	-53.9	-86.5	1	0.01	340	40	655.9	656.0	655.9
20.0	26100	-52.5	-85.5	1	0.01	330	30	674.7	674.9	674.7
18.8	26501	-50.7	-84.7	1	0.02	316	28	692.4	692.5	692.4
17.9	26822	-51.5	-85.2	1	0.02	305	26	699.9	700.1	699.9
16.3	27432	-52.9	-86.1	1	0.01	345	27	714.5	714.7	714.5
15.5	27737	-53.6	-86.6	1	0.01	330	22	721.9	722.1	721.9
14.8	28042	-54.3	-87.1	1	0.01	330	21	729.4	729.5	729.4
14.1	28346	-55.0	-87.5	1	0.01	345	18	736.9	737.0	736.9
13.5	28651	-55.8	-88.0	1	0.01	355	22	744.5	744.6	744.5
12.8	28972	-56.5	-88.5	1	0.01	351	22	752.6	752.7	752.6
12.8	28956	-56.5	-88.5	1	0.01	350	22	752.2	752.3	752.2
11.7	29566	-53.1	-86.0	1	0.02	25	20	784.7	784.9	784.7
11.1	29870	-51.4	-84.7	1	0.03	10	32	801.6	801.9	801.6
10.6	30175	-49.6	-83.4	1	0.04	30	34	818.8	819.3	818.8
10.3	30376	-48.5	-82.5	1	0.04	33	33	830.4	830.9	830.4
10.1	30480	-48.8	-82.8	1	0.04	35	32	832.9	833.5	833.0
10.0	30570	-49.1	-83.1	1	0.04	35	32	835.2	835.7	835.2
9.7	30785	-49.9	-83.9	1	0.04	40	24	840.0	840.5	840.0
9.3	31044	-50.9	-84.9	1	0.03	23	27	845.8	846.2	845.8
9.2	31090	-49.9	-84.1	1	0.04	20	27	851.2	851.7	851.2
8.9	31333	-44.9	-79.9	1	0.08	56	18	879.6	880.6	879.7
8.8	31394	-45.3	-80.3	1	0.07	65	16	880.5	881.4	880.5
8.4	31717	-47.3	-82.3	1	0.05	69	13	884.9	885.6	884.9
8.4	31699	-47.2	-82.2	1	0.06	70	13	884.6	885.4	884.7
8.1	32004	-42.1	-78.5	1	0.10	50	10	916.2	917.6	916.3
7.9	32129	-39.9	-76.9	1	0.14	72	10	930.0	931.9	930.1
7.0	32960	-36.5	-74.5	1	0.23	215	12	976.8	980.0	976.9
7.0	32918	-36.7	-74.6	1	0.22	210	10	974.4	977.5	974.5
6.5	33528	-35.5	-73.8	1	0.27	220	30	1004.1	1008.0	1004.3
6.2	33833	-34.9	-73.5	1	0.30	230	34	1019.1	1023.5	1019.3
5.7	34442	-33.8	-72.8	1	0.36	225	20	1049.7	1055.1	1049.9
5.6	34515	-33.7	-72.7	1	0.37	231	20	1053.4	1058.9	1053.6
5.4	34771	-30.3	-70.3	1	0.54	250	20	1079.5	1087.8	1079.9
5.4	34747	-30.6	-70.5	1	0.52	250	20	1077.0	1085.0	1077.4
5.2	35052	-29.6	-70.1	1	0.58	250	20	1094.9	1103.9	1095.3
5.0	35357	-28.9	-69.8	1	0.63	235	16	1111.7	1121.6	1112.2
5.0	35320	-28.9	-69.9	1	0.62	225	16	1109.9	1119.6	1110.3
4.9	35465	-28.7	-69.7	1	0.65			1117.2	1127.5	1117.7
4.8	35613	-25.3	-67.3	1	0.93			1139.4	1154.2	1140.1

Station information and sounding indices

Station identifier: WSE

Station number: 71119
Observation time: 150110/1200
Station latitude: 53.53
Station longitude: -114.10
Station elevation: 766.0
Showalter index: 25.35
Lifted index: 30.50
LIFT computed using virtual temperature: 30.65
SWEAT index: 51.98
K index: -30.40
Cross totals index: -16.80
Vertical totals index: 11.20
Totals totals index: -5.60
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: 239.11
Pres [hPa] of the Lifted Condensation Level: 687.76
Mean mixed layer potential temperature: 266.13
Mean mixed layer mixing ratio: 0.41
1000 hPa to 500 hPa thickness: 5269.00
Precipitable water [mm] for entire sounding: 6.21

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)
