

71945 YYE Fort Nelson Observations at 12Z 27 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	186									
974.0	381	-18.9	-21.3	81	0.72	350	3	256.2	258.2	256.3
972.0	396	-19.1	-22.4	75	0.66	352	3	256.1	258.0	256.2
944.5	610	-20.1	-22.9	79	0.65	25	7	257.2	259.0	257.3
925.0	766	-20.9	-23.2	82	0.64	50	5	257.9	259.8	258.0
906.6	914	-21.3	-22.7	89	0.69	15	1	259.0	260.9	259.1
883.0	1108	-21.9	-22.0	99	0.75	292	4	260.3	262.5	260.5
870.0	1218	-20.5	-20.6	99	0.86	245	6	262.9	265.4	263.0
869.9	1219	-20.4	-20.6	99	0.86	245	6	263.0	265.4	263.1
865.0	1261	-18.5	-18.5	100	1.03	233	6	265.4	268.4	265.6
860.0	1305	-10.3	-10.5	98	2.01	220	7	274.4	280.2	274.8
856.0	1341	-9.3	-11.8	82	1.82	210	7	275.8	281.1	276.1
850.0	1395	-9.1	-12.6	76	1.72	195	8	276.6	281.6	276.9
845.0	1441	-9.1	-13.6	70	1.59	196	9	277.1	281.7	277.3
803.3	1829	-11.1	-14.5	76	1.55	205	20	278.9	283.6	279.2
772.0	2134	-12.7	-15.2	81	1.52	215	11	280.4	285.0	280.7
761.0	2244	-13.3	-15.5	84	1.51	222	9	280.9	285.5	281.2
754.0	2315	-12.9	-15.4	82	1.54	227	8	282.1	286.7	282.4
748.0	2376	-12.9	-21.9	47	0.89	231	7	282.8	285.5	282.9
745.0	2406	-12.9	-20.9	51	0.98	233	7	283.1	286.1	283.2
741.9	2438	-12.8	-24.2	38	0.74	235	6	283.6	285.9	283.7
734.0	2520	-12.5	-32.5	17	0.34	240	6	284.7	285.9	284.8
712.7	2743	-13.9	-32.0	20	0.37	255	5	285.6	286.9	285.7
700.0	2880	-14.7	-31.7	22	0.39	270	6	286.2	287.5	286.2
692.0	2967	-15.1	-30.1	27	0.46	275	8	286.7	288.2	286.8
684.6	3048	-15.4	-30.2	27	0.46	280	10	287.2	288.8	287.3
657.5	3353	-16.4	-30.5	29	0.46	275	18	289.4	291.0	289.5
655.0	3381	-16.5	-30.5	29	0.46	274	19	289.6	291.2	289.7
632.0	3649	-17.1	-44.1	8	0.12	265	24	291.9	292.4	291.9
631.3	3658	-17.1	-44.0	8	0.12	265	24	291.9	292.4	292.0
606.0	3962	-19.1	-39.1	15	0.21	260	26	293.1	293.9	293.2
581.6	4267	-21.1	-34.2	30	0.36	270	37	294.3	295.6	294.4
581.0	4275	-21.1	-34.1	30	0.37	270	37	294.4	295.6	294.4
577.0	4326	-20.9	-48.9	6	0.08	270	37	295.2	295.5	295.2
570.0	4416	-21.5	-36.5	25	0.30	270	37	295.5	296.5	295.6
558.0	4573	-22.5	-47.5	8	0.09	270	36	296.1	296.5	296.1
535.1	4877	-24.5	-49.1	8	0.08	270	35	297.3	297.6	297.3
500.0	5370	-27.7	-51.7	8	0.07	260	39	299.2	299.5	299.2

1/27/2015

University of Wyoming - Radiosonde Data

492.0	5486	-28.4	-52.0	8	0.06	260	39	299.7	300.0	299.7
480.0	5662	-29.5	-52.5	9	0.06	266	40	300.5	300.7	300.5
471.3	5791	-30.4	-50.5	12	0.08	270	40	300.9	301.2	301.0
451.3	6096	-32.6	-45.8	25	0.14	260	44	302.0	302.5	302.0
417.0	6653	-36.5	-37.3	92	0.37	255	49	303.8	305.2	303.9
413.8	6706	-36.8	-38.0	89	0.35	255	49	304.1	305.3	304.1
404.0	6872	-37.9	-40.1	80	0.29	255	49	304.8	305.8	304.8
401.0	6923	-38.5	-41.3	75	0.26	255	49	304.6	305.6	304.7
400.0	6940	-38.7	-41.5	75	0.25	255	49	304.6	305.5	304.7
379.0	7307	-42.1	-43.2	89	0.22	255	50	304.9	305.7	304.9
361.5	7620	-44.8	-47.3	75	0.15	255	50	305.4	306.0	305.5
323.0	8365	-51.1	-57.1	49	0.05	263	54	306.7	306.9	306.7
314.6	8534	-52.5	-58.1	50	0.05	265	55	307.1	307.3	307.1
300.0	8840	-54.9	-59.9	54	0.04	260	55	307.9	308.0	307.9
286.0	9144	-57.7	-62.3	55	0.03	255	53	308.1	308.2	308.1
285.0	9167	-57.9	-62.5	55	0.03	255	53	308.1	308.2	308.1
280.0	9280	-57.3	-60.8	64	0.04	255	60	310.5	310.7	310.5
272.7	9449	-55.8	-65.6	28	0.02	255	70	315.0	315.1	315.0
269.0	9536	-55.1	-68.1	18	0.01	255	70	317.3	317.4	317.3
267.0	9584	-54.6	-68.4	17	0.01	255	70	318.6	318.7	318.6
260.1	9754	-53.0	-69.5	12	0.01	260	58	323.4	323.4	323.4
256.0	9856	-52.1	-70.1	10	0.01	258	59	326.3	326.3	326.3
250.0	10010	-52.3	-73.3	6	0.01	255	61	328.2	328.2	328.2
236.7	10363	-53.2	-76.0	5	0.01	260	65	332.0	332.1	332.0
235.0	10409	-53.3	-76.3	4	0.01	261	65	332.5	332.6	332.5
225.8	10668	-51.3	-78.3	3	0.00	265	62	339.4	339.4	339.4
217.0	10926	-49.3	-80.3	1	0.00	265	61	346.4	346.4	346.4
200.0	11460	-49.9	-83.9	1	0.00	265	58	353.6	353.6	353.6
188.0	11864	-50.3	-84.3	1	0.00	270	51	359.2	359.3	359.2
187.4	11887	-50.1	-84.2	1	0.00	270	51	359.9	359.9	359.9
175.0	12336	-47.1	-82.1	1	0.00	267	50	371.9	372.0	371.9
161.0	12885	-49.3	-83.3	1	0.00	263	48	377.2	377.2	377.2
150.0	13350	-48.9	-82.9	1	0.00	260	47	385.6	385.6	385.6
141.8	13716	-49.6	-83.6	1	0.00	255	43	390.6	390.7	390.6
135.4	14021	-50.1	-84.1	1	0.00	270	42	394.9	394.9	394.9
129.2	14326	-50.7	-84.7	1	0.00	265	41	399.2	399.2	399.2
129.0	14337	-50.7	-84.7	1	0.00	265	41	399.4	399.4	399.4
112.3	15240	-50.0	-84.0	1	0.00	265	38	416.7	416.7	416.7
107.2	15545	-49.8	-83.8	1	0.00	265	47	422.7	422.7	422.7
102.3	15850	-49.6	-83.6	1	0.00	270	34	428.8	428.8	428.8
100.0	16000	-49.5	-83.5	1	0.00	270	34	431.8	431.8	431.8
93.2	16459	-50.8	-84.3	1	0.00	280	35	438.1	438.1	438.1
85.4	17026	-52.3	-85.3	1	0.00	261	33	446.1	446.1	446.1
84.8	17069	-52.2	-85.2	1	0.00	260	33	447.1	447.2	447.1
77.2	17678	-50.5	-84.2	1	0.00	270	25	462.9	462.9	462.9
75.0	17870	-49.9	-83.9	1	0.00	251	25	467.9	468.0	467.9

73.7	17983	-50.1	-84.2	1	0.00	240	25	469.7	469.8	469.7
70.3	18288	-50.8	-84.8	1	0.00	265	31	474.6	474.6	474.6
70.0	18320	-50.9	-84.9	1	0.00	260	31	475.1	475.2	475.1
67.1	18593	-51.6	-84.9	1	0.00	245	29	479.2	479.3	479.2
66.2	18682	-51.9	-84.9	1	0.00	245	30	480.6	480.6	480.6
64.0	18898	-50.9	-84.2	1	0.01	245	33	487.4	487.4	487.4
61.1	19202	-49.4	-83.2	1	0.01	285	19	497.1	497.2	497.1
59.3	19401	-48.5	-82.5	1	0.01	275	25	503.6	503.6	503.6
58.4	19507	-48.6	-82.6	1	0.01	270	28	505.6	505.7	505.6
55.7	19812	-49.0	-83.0	1	0.01	295	24	511.5	511.6	511.5
53.2	20117	-49.4	-83.4	1	0.01	295	15	517.5	517.5	517.5
50.8	20422	-49.8	-83.8	1	0.01	220	18	523.5	523.5	523.5
50.0	20520	-49.9	-83.9	1	0.01	235	18	525.4	525.5	525.4
46.2	21031	-50.0	-84.0	1	0.01	235	16	537.1	537.2	537.1
44.1	21336	-50.0	-84.0	1	0.01	240	18	544.2	544.3	544.2
41.2	21785	-50.1	-84.1	1	0.01	218	19	554.8	554.9	554.8
40.2	21946	-51.0	-84.7	1	0.01	210	19	556.4	556.4	556.4
38.4	22250	-52.9	-85.9	1	0.01	230	31	559.3	559.4	559.3
38.1	22292	-53.1	-86.1	1	0.01	227	29	559.7	559.8	559.7
36.6	22555	-52.7	-85.9	1	0.01	210	20	567.2	567.3	567.2
34.9	22860	-52.3	-85.7	1	0.01	240	22	576.0	576.1	576.0
31.8	23470	-51.4	-85.2	1	0.01	195	20	594.1	594.1	594.1
30.0	23840	-50.9	-84.9	1	0.01	195	27	605.3	605.4	605.3
26.3	24689	-49.5	-83.5	1	0.01	185	44	632.0	632.1	632.0
26.2	24723	-49.5	-83.5	1	0.01	186	44	633.1	633.2	633.1
22.9	25603	-50.7	-84.2	1	0.01	200	34	654.5	654.7	654.5
21.8	25908	-51.1	-84.4	1	0.01	185	28	662.1	662.2	662.1
20.0	26480	-51.9	-84.9	1	0.01	180	32	676.6	676.7	676.6
18.1	27127	-53.7	-86.2	1	0.01	170	39	690.7	690.9	690.7
17.2	27432	-54.5	-86.8	1	0.01	180	39	697.5	697.6	697.5
16.1	27875	-55.7	-87.7	1	0.01	170	38	707.5	707.6	707.5
14.3	28651	-54.5	-87.3	1	0.01	165	47	736.5	736.6	736.5
14.0	28769	-54.3	-87.3	1	0.01	163	46	741.0	741.2	741.0
13.0	29261	-54.7	-87.5	1	0.01	155	44	756.0	756.2	756.1
12.4	29566	-55.0	-87.6	1	0.02	165	42	765.5	765.7	765.5
10.7	30480	-55.7	-87.9	1	0.02	155	46	794.7	794.9	794.7
10.2	30785	-56.0	-88.0	1	0.02	155	45	804.6	804.8	804.6
10.0	30920	-56.1	-88.1	1	0.02	155	46	809.1	809.3	809.1
8.8	31699	-57.5	-88.7	1	0.02	165	39	832.8	833.1	832.9
8.5	31945	-57.9	-88.9	1	0.02	160	39	840.5	840.7	840.5
7.3	32918	-56.6	-88.4	1	0.02	140	40	883.5	883.9	883.6
7.0	33170	-56.3	-88.3	1	0.02	150	41	895.0	895.4	895.1
6.6	33528	-55.8	-88.1	1	0.03	155	33	911.8	912.1	911.8
6.3	33833	-55.3	-87.9	1	0.03	155	27	926.3	926.7	926.3
6.0	34138	-54.9	-87.7	1	0.03	115	31	941.0	941.5	941.0
5.8	34369	-54.5	-87.5	1	0.03			952.3	952.8	952.3

Station information and sounding indices

Station identifier: YYE
Station number: 71945
Observation time: 150127/1200
Station latitude: 58.83
Station longitude: -122.60
Station elevation: 381.0
Showalter index: 14.94
Lifted index: 32.94
LIFT computed using virtual temperature: 32.95
SWEAT index: 55.01
K index: -11.00
Cross totals index: 15.10
Vertical totals index: 18.60
Totals totals index: 33.70
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: 249.85
Pres [hPa] of the Lifted Condensation Level: 902.60
Mean mixed layer potential temperature: 257.29
Mean mixed layer mixing ratio: 0.65
1000 hPa to 500 hPa thickness: 5184.00
Precipitable water [mm] for entire sounding: 3.70

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

Close this window

Select another map

Interested in graduate studies in atmospheric science? Check out our program at the [University of Wyoming](#)

Questions about the weather data provided by this site can be addressed to [Larry Oolman \(ldoolman@uwyo.edu\)](mailto:ldoolman@uwyo.edu)
