

72235 JAN Jackson Thompson Fld Observations at 12Z 25 Jul 2015

PRES hPa	HGHT m	TEMP C	DWPT C	RELH %	MIXR g/kg	DRCT deg	SKNT knot	THTA K	THTE K	THTV K
1004.0	91	24.4	22.8	91	17.76	0	0	297.2	348.8	300.4
1000.0	125	25.6	23.0	86	18.05	220	2	298.8	351.6	302.0
990.0	214	27.0	23.3	80	18.59	260	3	301.0	355.9	304.4
979.9	305	26.5	23.0	81	18.43	300	4	301.4	355.9	304.7
970.0	395	26.0	22.7	82	18.28	303	7	301.8	355.9	305.1
958.0	506	27.4	22.4	74	18.17	307	11	304.3	358.7	307.6
946.8	610	27.0	20.0	65	15.77	310	15	304.9	352.2	307.8
936.0	712	26.6	17.6	58	13.72	310	15	305.5	346.8	308.0
925.0	816	25.6	16.6	58	13.01	310	15	305.5	344.7	307.9
914.7	914	24.9	16.0	58	12.65	310	13	305.7	343.9	308.0
883.3	1219	22.5	14.1	59	11.57	310	15	306.4	341.4	308.5
852.9	1524	20.2	12.2	60	10.56	310	17	307.0	339.2	309.0
850.0	1554	20.0	12.0	60	10.47	310	13	307.1	339.0	309.0
844.0	1615	19.8	10.8	56	9.73	308	12	307.5	337.2	309.3
823.3	1829	17.4	13.6	79	12.05	300	10	307.1	343.7	309.3
822.0	1842	17.2	13.8	80	12.21	302	10	307.1	344.1	309.3
799.0	2084	15.0	13.6	91	12.40	338	7	307.2	344.9	309.5
794.3	2134	14.8	13.0	89	11.97	345	7	307.5	343.9	309.7
774.0	2354	13.8	10.2	79	10.19	341	8	308.7	340.0	310.6
766.3	2438	13.1	9.9	81	10.08	340	8	308.9	339.9	310.8
738.9	2743	10.8	8.8	87	9.68	355	13	309.6	339.4	311.4
728.0	2868	9.8	8.3	90	9.52	7	13	309.8	339.2	311.6
712.4	3048	9.7	1.6	57	6.06	25	12	311.6	330.8	312.8
701.0	3182	9.6	-3.4	40	4.27	25	13	313.0	326.7	313.8
700.0	3194	9.6	-3.4	40	4.27	25	13	313.1	326.9	313.9
686.7	3353	8.3	-1.5	50	5.01	30	14	313.4	329.5	314.4
683.0	3398	8.0	-1.0	53	5.23	29	14	313.5	330.3	314.5
661.7	3658	6.3	-5.5	43	3.85	20	16	314.4	327.0	315.2
653.0	3767	5.6	-7.4	39	3.37	18	15	314.9	326.0	315.5
644.0	3881	6.0	-14.0	22	2.02	16	15	316.6	323.4	316.9
637.0	3971	5.6	-13.4	24	2.15	15	14	317.1	324.4	317.5
632.0	4035	6.2	-22.8	10	0.97	14	14	318.5	322.0	318.7
624.0	4139	5.8	-25.2	9	0.80	12	13	319.2	322.1	319.3
614.3	4267	4.9	-25.7	9	0.77	10	12	319.6	322.4	319.8
570.0	4873	0.8	-28.2	9	0.66	5	13	321.7	324.1	321.8
569.7	4877	0.8	-28.2	9	0.66	5	13	321.7	324.1	321.8
548.3	5182	-1.9	-26.2	14	0.83	20	11	322.1	325.1	322.2
527.7	5486	-4.5	-24.2	20	1.03	350	13	322.4	326.2	322.6
525.0	5527	-4.9	-23.9	21	1.06	350	14	322.5	326.3	322.7
512.0	5724	-5.9	-32.9	10	0.47	353	20	323.6	325.4	323.7
506.0	5817	-6.1	-32.1	11	0.52	354	22	324.4	326.4	324.5
503.0	5863	-6.5	-13.5	58	2.70	354	24	324.5	333.8	325.0
500.0	5910	-5.3	-27.3	16	0.82	355	25	326.5	329.6	326.7
499.0	5926	-5.1	-32.1	10	0.52	355	25	326.9	328.9	327.1
488.2	6096	-5.2	-43.4	3	0.17	0	30	328.9	329.6	328.9
478.0	6261	-5.3	-54.3	1	0.05	5	28	330.7	331.0	330.8
458.0	6594	-6.7	-54.7	1	0.05	16	24	333.1	333.3	333.1
451.3	6706	-7.5	-55.3	1	0.05	20	22	333.5	333.7	333.5
400.5	7620	-13.8	-59.9	1	0.03	10	17	336.8	336.9	336.8
400.0	7630	-13.9	-59.9	1	0.03	10	17	336.8	337.0	336.8
384.5	7925	-16.1	-61.1	1	0.03	5	19	337.8	337.9	337.8

340.0	8844	-22.9	-64.9	1	0.02	16	21	340.6	340.7	340.6
328.0	9107	-24.9	-48.9	9	0.14	20	21	341.4	341.9	341.4
326.3	9144	-25.3	-45.6	13	0.20	20	21	341.3	342.1	341.4
323.0	9219	-26.1	-39.1	28	0.40	19	21	341.2	342.8	341.3
316.0	9377	-27.5	-41.5	25	0.32	16	21	341.4	342.7	341.5
300.0	9750	-29.3	-43.3	25	0.28	10	20	344.0	345.1	344.0
299.8	9754	-29.3	-43.4	24	0.28	5	22	344.0	345.2	344.1
298.0	9798	-29.5	-44.5	22	0.25	6	22	344.3	345.4	344.4
285.0	10113	-32.1	-47.1	21	0.19	11	21	345.0	345.9	345.1
275.0	10363	-34.4	-44.0	37	0.28	15	21	345.3	346.5	345.4
270.0	10490	-35.5	-42.5	49	0.34	9	22	345.5	346.9	345.5
264.0	10646	-36.3	-44.3	43	0.28	1	24	346.5	347.7	346.6
263.1	10668	-36.5	-44.3	44	0.29	0	24	346.6	347.8	346.6
256.0	10858	-38.1	-44.1	53	0.30	3	22	346.9	348.2	347.0
250.0	11020	-39.1	-47.1	42	0.22	5	21	347.8	348.7	347.8
248.0	11075	-39.5	-48.5	38	0.19	5	21	348.0	348.8	348.0
242.0	11242	-40.5	-55.5	18	0.09	5	20	348.9	349.3	349.0
240.7	11278	-40.8	-55.9	18	0.08	5	20	349.1	349.5	349.1
230.0	11586	-42.9	-58.9	16	0.06	18	16	350.4	350.7	350.4
219.8	11887	-45.7	-60.2	18	0.05	30	12	350.7	350.9	350.7
204.0	12381	-50.3	-62.3	23	0.04	10	17	351.0	351.2	351.0
200.4	12497	-51.2	-63.2	23	0.04	5	18	351.3	351.5	351.3
200.0	12510	-51.3	-63.3	23	0.04	5	18	351.4	351.6	351.4
173.4	13411	-59.0	-68.8	27	0.02	50	15	353.4	353.5	353.4
165.2	13716	-61.5	-70.6	29	0.02	25	14	354.0	354.1	354.0
154.0	14160	-65.3	-73.3	32	0.01	36	18	354.7	354.8	354.7
150.0	14320	-66.5	-73.5	37	0.01	40	19	355.3	355.4	355.3
142.4	14630	-68.5	-75.5	36	0.01	60	19	357.2	357.3	357.2
130.0	15173	-71.9	-78.9	34	0.01	69	20	360.5	360.5	360.5
128.5	15240	-71.8	-79.5	31	0.01	70	20	361.9	361.9	361.9
126.0	15357	-71.5	-80.5	25	0.00	74	13	364.4	364.5	364.4
122.0	15545	-72.5	-81.0	27	0.00	80	1	366.0	366.0	366.0
119.0	15693	-73.3	-81.3	29	0.00	45	7	367.1	367.2	367.1
115.8	15850	-73.2	-81.8	26	0.00	40	11	370.2	370.2	370.2
114.0	15944	-73.1	-82.1	24	0.00	55	12	372.0	372.1	372.0
112.0	16048	-72.3	-82.3	21	0.00	72	13	375.4	375.4	375.4
110.0	16154	-73.0	-83.0	21	0.00	90	14	376.0	376.1	376.0
107.0	16315	-74.1	-84.1	20	0.00	77	18	376.9	377.0	376.9
106.0	16369	-72.9	-82.9	21	0.00	72	19	380.2	380.3	380.2
104.4	16459	-73.1	-83.1	21	0.00	65	21	381.6	381.6	381.6
100.0	16710	-73.5	-83.5	21	0.00	80	15	385.5	385.5	385.5
78.0	18175	-70.7	-84.7	11	0.00	94	21	419.6	419.6	419.6
76.5	18288	-69.2	-84.5	9	0.00	95	21	425.1	425.1	425.1
71.7	18683	-63.9	-83.9	5	0.00	84	21	444.3	444.3	444.3
70.0	18830	-63.9	-84.9	4	0.00	80	21	447.3	447.4	447.3
65.9	19202	-62.7	-87.6	2	0.00	70	27	457.8	457.8	457.8
62.8	19498	-61.7	-89.7	1	0.00	70	26	466.3	466.3	466.3
62.7	19507	-61.6	-89.7	1	0.00	70	26	466.7	466.7	466.7
60.4	19740	-59.5	-90.5	1	0.00	101	24	476.4	476.4	476.4
59.7	19812	-59.5	-90.5	1	0.00	110	23	477.9	477.9	477.9
56.9	20117	-59.6	-90.6	1	0.00	100	19	484.4	484.4	484.4
54.1	20422	-59.7	-90.7	1	0.00	120	22	491.0	491.0	491.0
50.0	20920	-59.9	-90.9	1	0.00	100	16	501.9	501.9	501.9
49.1	21031	-60.2	-91.2	1	0.00	90	21	503.7	503.7	503.7
48.9	21059	-60.3	-91.3	1	0.00	90	21	504.1	504.2	504.1
46.8	21336	-59.0	-90.5	1	0.00	95	19	513.8	513.8	513.8
45.2	21552	-57.9	-89.9	1	0.00	99	19	521.4	521.4	521.4
42.6	21925	-58.9	-89.9	1	0.00	105	18	527.9	527.9	527.9
40.5	22250	-58.2	-89.5	1	0.00	110	17	537.5	537.5	537.5
38.6	22555	-57.5	-89.1	1	0.00	100	14	546.6	546.6	546.6
36.7	22860	-56.9	-88.7	1	0.00	85	16	555.9	556.0	555.9

35.8	23023	-56.5	-88.5	1	0.00	80	20	561.0	561.0	561.0
35.0	23165	-57.3	-89.3	1	0.00	75	23	562.5	562.5	562.5
34.6	23239	-57.7	-89.7	1	0.00	80	25	563.3	563.4	563.3
33.4	23470	-57.7	-89.7	1	0.00	95	30	569.2	569.3	569.2
30.7	23994	-57.7	-89.7	1	0.00	99	31	582.9	582.9	582.9
30.3	24079	-57.4	-89.3	1	0.00	100	31	586.1	586.1	586.1
30.0	24140	-57.1	-89.1	1	0.00	100	31	588.4	588.4	588.4
28.9	24384	-55.2	-87.9	1	0.01	90	32	600.0	600.1	600.0
26.7	24887	-51.3	-85.3	1	0.01	86	37	624.6	624.7	624.6
26.3	24994	-51.4	-85.3	1	0.01	85	38	627.4	627.5	627.4
23.9	25603	-51.8	-85.3	1	0.01	90	28	643.4	643.5	643.4
20.9	26474	-52.3	-85.3	1	0.01	82	33	666.9	667.0	666.9
20.0	26760	-50.1	-84.1	1	0.02	80	35	682.1	682.2	682.1
18.9	27132	-47.3	-82.3	1	0.02	74	37	701.9	702.1	701.9
18.1	27432	-46.8	-81.8	1	0.03	70	38	712.5	712.8	712.5
17.5	27641	-46.5	-81.5	1	0.03	72	39	720.0	720.4	720.0
16.2	28151	-48.7	-82.7	1	0.03	77	41	728.9	729.2	728.9
14.1	29071	-44.7	-79.7	1	0.05	86	44	771.9	772.5	772.0
11.5	30428	-46.9	-81.9	1	0.04	99	50	810.4	810.9	810.4
11.4	30480	-46.4	-81.6	1	0.05	100	50	813.9	814.5	814.0
10.5	31038	-41.1	-78.1	1	0.09	100	53	853.0	854.1	853.1
10.0	31370	-40.5	-77.5	1	0.10	100	54	867.2	868.5	867.3
8.3	32640	-40.1	-77.1	1	0.13	93	56	916.2	917.9	916.3
7.6	33223	-38.5	-76.2	1	0.16	90	57	945.3	947.5	945.4
7.4	33427	-37.9	-75.9	1	0.17			955.7	958.1	955.8

Station information and sounding indices

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Station identifier: JAN
Station number: 72235
Observation time: 150725/1200
Station latitude: 32.32
Station longitude: -90.08
Station elevation: 91.0
Showalter index: 2.02
Lifted index: -4.07
LIFT computed using virtual temperature: -5.10
SWEAT index: 194.99
K index: 24.30
Cross totals index: 17.30
Vertical totals index: 25.30
Totals totals index: 42.60
Convective Available Potential Energy: 1317.83
CAPE using virtual temperature: 1587.09
Convective Inhibition: -91.00
CINS using virtual temperature: -57.40
Equilibrium Level: 151.17
Equilibrium Level using virtual temperature: 151.13
Level of Free Convection: 828.25
LFCT using virtual temperature: 843.32
Bulk Richardson Number: 153.74
Bulk Richardson Number using CAPV: 185.15
Temp [K] of the Lifted Condensation Level: 294.88
Pres [hPa] of the Lifted Condensation Level: 922.82
Mean mixed layer potential temperature: 301.74
Mean mixed layer mixing ratio: 18.12
1000 hPa to 500 hPa thickness: 5785.00
Precipitable water [mm] for entire sounding: 42.07

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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)
