

72376 FGZ Flagstaff Observations at 12Z 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
1000.0	122									
925.0	813									
850.0	1550									
790.0	2192	8.8	5.7	81	7.32	0	0	301.6	323.6	302.9
788.0	2213	10.8	6.2	73	7.60	353	1	303.9	327.0	305.4
784.0	2255	15.0	9.0	67	9.27	338	2	308.9	337.4	310.6
782.0	2277	16.4	9.4	63	9.55	331	3	310.6	340.2	312.4
769.0	2418	16.0	7.0	55	8.24	282	8	311.7	337.4	313.2
767.1	2438	15.8	6.9	55	8.22	275	9	311.7	337.4	313.3
739.6	2743	13.5	6.1	61	8.03	250	10	312.5	337.7	314.0
731.0	2841	12.8	5.8	62	7.97	243	10	312.7	337.8	314.2
700.0	3200	10.8	0.8	50	5.83	215	8	314.4	333.1	315.5
685.0	3380	9.2	0.2	53	5.70	207	6	314.6	332.9	315.7
666.0	3613	9.4	-14.6	17	1.86	197	4	317.3	323.7	317.7
662.4	3658	9.1	-13.7	18	2.01	195	4	317.5	324.4	317.9
654.0	3764	8.4	-11.6	23	2.42	189	5	317.9	326.1	318.3
626.0	4123	4.8	-7.2	41	3.58	168	8	317.8	329.6	318.4
615.0	4267	3.6	-3.9	58	4.68	160	9	318.0	333.3	318.9
608.0	4360	2.8	-1.8	72	5.55	165	9	318.1	336.2	319.2
597.0	4507	2.0	-4.0	64	4.79	174	10	318.8	334.6	319.8
585.0	4671	2.2	-12.8	32	2.45	183	10	320.9	329.4	321.4
579.0	4755	1.8	-12.2	35	2.60	188	11	321.4	330.3	321.9
571.0	4866	1.0	-18.0	23	1.63	194	11	321.8	327.5	322.1
570.2	4877	0.9	-18.1	23	1.62	195	11	321.8	327.5	322.1
539.0	5327	-2.3	-22.3	20	1.19	199	11	323.2	327.5	323.4
511.0	5749	-3.9	-35.9	6	0.35	203	10	326.2	327.6	326.2
500.0	5920	-4.9	-36.9	6	0.32	205	10	327.0	328.3	327.1
491.0	6063	-5.9	-30.9	12	0.60	209	12	327.5	329.7	327.6
488.9	6096	-6.1	-21.3	29	1.44	210	12	327.6	332.8	327.9
487.0	6127	-6.3	-12.3	62	3.07	210	12	327.8	338.4	328.4
485.0	6159	-6.7	-10.1	77	3.68	209	12	327.6	340.3	328.4
480.0	6240	-7.1	-9.1	86	4.02	209	13	328.1	341.9	328.9
436.0	6984	-13.1	-13.5	97	3.11	201	19	329.7	340.5	330.3
425.0	7179	-13.3	-23.3	43	1.39	199	21	331.8	336.9	332.1
421.0	7251	-13.5	-24.5	39	1.26	199	21	332.5	337.1	332.7
415.0	7361	-13.9	-19.9	60	1.91	198	22	333.3	340.3	333.7
401.1	7620	-15.9	-20.1	70	1.95	195	24	333.9	341.0	334.3
400.0	7640	-16.1	-20.1	71	1.95	195	24	334.0	341.1	334.4
396.0	7715	-16.9	-20.4	74	1.92	196	25	333.9	340.9	334.3
382.0	7984	-17.9	-24.9	54	1.34	198	26	336.0	341.0	336.3
369.0	8242	-20.1	-25.1	64	1.36	201	28	336.4	341.5	336.7
361.0	8403	-20.9	-31.9	37	0.74	203	29	337.5	340.4	337.6
348.0	8672	-23.5	-30.5	53	0.87	205	31	337.5	340.9	337.7
344.0	8757	-23.7	-28.0	68	1.12	206	31	338.4	342.6	338.6
334.0	8971	-25.3	-27.6	81	1.19	208	33	339.1	343.6	339.3
331.0	9036	-25.3	-28.6	74	1.10	209	33	339.9	344.1	340.1
326.1	9144	-26.2	-29.2	76	1.05	210	34	340.2	344.2	340.4
304.0	9646	-30.3	-31.9	86	0.87	210	39	341.3	344.7	341.4
300.0	9740	-30.5	-33.4	76	0.77	210	40	342.3	345.3	342.4
294.0	9884	-31.9	-34.2	80	0.72	211	40	342.3	345.1	342.4
288.0	10029	-32.7	-36.0	72	0.62	211	40	343.1	345.6	343.3
270.0	10481	-36.7	-38.5	83	0.51	213	39	343.7	345.8	343.8
261.0	10715	-38.9	-41.3	78	0.40	214	39	343.8	345.5	343.9

250.0	11010	-41.1	-44.0	73	0.31	215	39	344.8	346.1	344.9
245.0	11147	-42.1	-45.3	71	0.27	215	40	345.3	346.5	345.4
242.0	11231	-42.9	-44.5	84	0.30	215	40	345.3	346.6	345.4
236.0	11400	-44.3	-45.6	87	0.28	215	42	345.7	346.9	345.8
233.0	11485	-45.1	-47.6	76	0.22	215	42	345.8	346.7	345.8
230.0	11572	-45.7	-47.2	85	0.24	215	43	346.1	347.1	346.2
227.0	11659	-46.3	-48.8	76	0.20	215	43	346.5	347.4	346.6
222.0	11807	-47.5	-49.8	77	0.18	215	44	346.9	347.7	346.9
214.0	12049	-49.1	-55.1	49	0.10	215	46	348.1	348.5	348.1
200.0	12490	-53.1	-57.5	59	0.08	215	49	348.5	348.9	348.5
193.0	12718	-54.7	-61.7	42	0.05	211	50	349.5	349.8	349.5
190.4	12802	-55.3	-63.0	38	0.04	210	50	349.9	350.1	349.9
174.0	13371	-59.5	-71.5	20	0.01	216	45	352.1	352.2	352.1
154.0	14121	-65.3	-74.3	28	0.01	223	39	354.7	354.8	354.7
150.0	14280	-66.1	-75.1	27	0.01	225	38	356.0	356.1	356.0
148.9	14326	-66.4	-75.3	28	0.01	230	37	356.2	356.3	356.2
141.5	14630	-68.5	-76.9	29	0.01	220	32	357.7	357.8	357.7
137.0	14826	-69.9	-77.9	30	0.01	233	27	358.7	358.7	358.7
134.5	14935	-69.8	-77.8	30	0.01	240	24	360.8	360.8	360.8
133.0	15003	-69.7	-77.7	30	0.01	238	23	362.1	362.1	362.1
127.8	15240	-71.0	-79.0	30	0.01	230	21	363.8	363.9	363.8
123.0	15467	-72.3	-80.3	29	0.01	211	20	365.5	365.5	365.5
121.4	15545	-72.5	-80.5	29	0.01	205	20	366.6	366.6	366.6
113.0	15966	-73.3	-81.3	29	0.00	200	21	372.6	372.6	372.6
109.4	16154	-72.1	-80.9	25	0.01	210	23	378.4	378.4	378.4
109.0	16178	-71.9	-80.9	25	0.01	209	22	379.1	379.1	379.1
108.0	16232	-70.9	-79.9	25	0.01	206	21	382.0	382.0	382.0
104.0	16456	-71.1	-80.1	25	0.01	196	15	385.8	385.8	385.8
100.0	16690	-69.3	-79.3	22	0.01	185	8	393.6	393.6	393.6
96.5	16902	-69.9	-80.9	19	0.01	205	15	396.4	396.5	396.4
94.6	17021	-67.3	-79.3	17	0.01	216	19	403.8	403.8	403.8
93.8	17069	-67.2	-79.7	16	0.01	220	20	404.8	404.9	404.8
86.4	17567	-66.7	-83.7	8	0.00	187	6	415.6	415.6	415.6
85.1	17659	-64.9	-83.9	6	0.00	181	4	421.0	421.1	421.0
84.8	17678	-64.8	-84.0	6	0.00	180	3	421.6	421.6	421.6
77.3	18248	-62.5	-85.5	3	0.00	311	6	437.8	437.8	437.8
76.8	18288	-62.4	-85.6	3	0.00	320	6	438.7	438.8	438.7
70.0	18860	-61.3	-87.3	2	0.00	110	6	452.9	452.9	452.9
68.6	18985	-61.7	-87.7	2	0.00	128	9	454.7	454.7	454.7
66.3	19202	-59.8	-86.9	2	0.00	160	13	463.2	463.3	463.2
64.4	19380	-58.3	-86.3	2	0.00	129	10	470.4	470.4	470.4
59.2	19909	-59.5	-87.5	2	0.00	36	3	479.1	479.2	479.1
57.3	20117	-59.2	-87.5	1	0.00	0	0	484.3	484.4	484.3
54.5	20422	-58.8	-87.5	1	0.00	85	16	492.0	492.1	492.0
52.4	20674	-58.5	-87.5	1	0.00	94	14	498.5	498.5	498.5
50.0	20970	-57.3	-86.3	1	0.00	105	11	508.0	508.1	508.0
49.5	21031	-57.0	-86.2	1	0.00	110	11	510.0	510.0	510.0
47.2	21336	-55.8	-85.5	1	0.01	70	15	520.1	520.1	520.1
46.0	21501	-55.1	-85.1	1	0.01	74	16	525.6	525.6	525.6
42.9	21946	-55.6	-85.6	1	0.01	85	17	534.8	534.9	534.8
40.9	22250	-56.0	-86.0	1	0.01	120	22	541.2	541.3	541.2
39.0	22555	-56.4	-86.4	1	0.01	90	17	547.7	547.8	547.7
38.4	22652	-56.5	-86.5	1	0.01	90	17	549.8	549.9	549.8
35.5	23165	-54.5	-85.5	1	0.01	90	15	567.8	567.9	567.8
33.8	23470	-53.3	-84.9	1	0.01	75	22	578.7	578.8	578.7
32.8	23664	-52.5	-84.5	1	0.01	81	27	585.8	585.9	585.8
32.2	23774	-52.8	-84.5	1	0.01	85	30	588.0	588.0	588.0
30.7	24091	-53.5	-84.5	1	0.01	85	28	594.3	594.4	594.3
30.0	24240	-52.9	-83.9	1	0.01	85	27	599.8	599.9	599.8
29.3	24384	-52.4	-83.7	1	0.01	85	27	605.1	605.3	605.2
28.1	24663	-51.3	-83.3	1	0.01	67	30	615.6	615.7	615.6

28.0	24689	-51.3	-83.3	1	0.01	65	30	616.3	616.5	616.3
26.7	24994	-51.2	-83.2	1	0.01	85	31	624.9	625.0	624.9
23.2	25908	-51.0	-83.0	1	0.02	100	24	651.3	651.4	651.3
21.1	26518	-50.8	-82.8	1	0.02	80	33	669.5	669.7	669.5
20.0	26870	-50.7	-82.7	1	0.02	85	32	680.2	680.5	680.2
19.3	27102	-50.9	-82.9	1	0.02	87	34	686.6	686.8	686.6
18.4	27432	-49.9	-82.2	1	0.03	90	36	699.7	700.0	699.7
16.8	28011	-48.1	-81.1	1	0.03	90	32	723.3	723.7	723.3
15.3	28651	-44.1	-78.5	1	0.06	90	28	756.7	757.3	756.7
14.7	28903	-42.5	-77.5	1	0.07	73	39	770.1	770.9	770.2
14.6	28956	-42.5	-77.5	1	0.07	70	41	771.8	772.6	771.8
13.3	29566	-42.9	-77.9	1	0.07	90	46	790.8	791.6	790.8
12.2	30175	-43.2	-78.2	1	0.07	85	53	810.2	811.1	810.3
11.6	30480	-43.4	-78.4	1	0.07	90	48	820.1	821.0	820.2
10.8	30981	-43.7	-78.7	1	0.08	93	44	836.7	837.6	836.7
10.2	31394	-42.4	-78.2	1	0.09	95	40	856.2	857.3	856.2
10.0	31500	-42.1	-78.1	1	0.09	95	42	861.3	862.4	861.3
9.5	31848	-39.9	-75.9	1	0.13	94	42	882.3	884.0	882.4
8.1	32942	-37.3	-75.3	1	0.17	91	43	933.7	936.0	933.8
7.5	33472	-37.5	-75.5	1	0.18	90	44	953.7	956.2	953.8
7.4	33528	-37.2	-75.3	1	0.19	90	44	957.0	959.6	957.1
7.0	33950	-35.1	-74.1	1	0.24	100	49	982.5	985.9	982.7
6.8	34138	-33.6	-73.1	1	0.29	100	47	996.2	1000.2	996.3
6.6	34363	-31.9	-71.9	1	0.35			1012.6	1017.7	1012.9

Station information and sounding indices

Station identifier: FGZ
 Station number: 72376
 Observation time: 150724/1200
 Station latitude: 35.23
 Station longitude: -111.82
 Station elevation: 2192.0
 Lifted index: 3.31

LIFT computed using virtual temperature: 2.69
 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: 278.69
 Pres [hPa] of the Lifted Condensation Level: 682.97
 Mean mixed layer potential temperature: 310.79
 Mean mixed layer mixing ratio: 8.41
 1000 hPa to 500 hPa thickness: 5798.00
 Precipitable water [mm] for entire sounding: 17.07

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)