

72776 TFX Great Falls Observations at 12Z 26 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	57									
925.0	746									
885.0	1134	13.8	9.6	76	8.55	90	7	297.1	322.3	298.7
883.0	1153	16.2	9.2	63	8.33	88	7	299.8	324.6	301.3
878.0	1201	18.2	7.2	49	7.31	84	8	302.4	324.5	303.7
865.0	1328	18.4	6.4	45	7.01	73	9	303.9	325.3	305.2
850.0	1477	17.4	5.4	45	6.66	60	10	304.4	324.7	305.6
815.3	1829	14.6	4.4	50	6.47	80	4	305.0	324.9	306.2
786.4	2134	12.1	3.5	56	6.30	330	4	305.5	324.9	306.7
776.0	2247	11.2	3.2	58	6.24	29	3	305.7	325.0	306.9
758.2	2438	9.7	2.8	62	6.20	130	2	306.1	325.3	307.2
730.8	2743	7.3	2.1	70	6.14	125	5	306.7	325.7	307.8
706.0	3028	5.0	1.5	78	6.08	190	14	307.2	326.1	308.4
704.3	3048	5.0	1.4	77	6.04	195	15	307.4	326.2	308.6
700.0	3098	5.0	1.1	76	5.96	180	11	308.0	326.6	309.1
687.0	3251	5.6	0.6	70	5.85	192	17	310.3	328.7	311.4
673.0	3419	4.4	-0.6	70	5.47	206	23	310.8	328.1	311.8
653.4	3658	2.4	-3.2	67	4.65	225	32	311.2	326.0	312.1
640.0	3826	1.0	-5.0	64	4.14	229	31	311.4	324.7	312.2
605.3	4267	-3.0	-7.0	74	3.77	240	30	311.9	324.1	312.6
571.0	4729	-7.1	-9.0	86	3.41	240	38	312.2	323.3	312.9
560.2	4877	-8.1	-10.4	83	3.11	240	41	312.8	323.0	313.4
558.0	4908	-8.3	-10.7	83	3.05	240	41	312.9	322.9	313.5
544.0	5104	-9.1	-16.1	57	2.01	239	41	314.2	321.0	314.6
527.0	5349	-11.3	-14.4	78	2.39	237	41	314.4	322.4	314.9
511.0	5585	-12.7	-17.4	68	1.92	236	41	315.5	322.1	315.9
505.0	5674	-13.5	-15.6	84	2.26	235	41	315.6	323.2	316.1
500.0	5750	-13.9	-16.2	83	2.17	235	41	316.0	323.4	316.4
491.0	5888	-14.7	-17.9	77	1.92	235	45	316.7	323.2	317.1
484.0	5998	-15.7	-18.1	82	1.91	235	48	316.8	323.3	317.1
477.8	6096	-15.9	-18.5	80	1.87	235	51	317.7	324.1	318.1
472.0	6188	-16.1	-18.9	79	1.83	235	51	318.6	324.9	318.9
443.0	6665	-19.5	-23.7	69	1.28	235	54	320.1	324.6	320.3
434.0	6818	-20.3	-30.3	40	0.71	235	54	320.9	323.6	321.1
426.0	6956	-21.1	-37.1	22	0.37	235	55	321.6	323.1	321.7
403.0	7365	-23.7	-36.7	29	0.41	235	57	323.4	325.0	323.5
400.0	7420	-24.3	-34.3	39	0.53	235	57	323.3	325.3	323.4

Station information and sounding indices

Station identifier: TFX
 Station number: 72776
 Observation time: 150726/1200
 Station latitude: 47.46
 Station longitude: -111.39
 Station elevation: 1134.0
 Showalter index: 0.05
 Lifted index: 0.04
 LIFT computed using virtual temperature: -0.03
 SWEAT index: 157.81
 K index: 32.80
 Cross totals index: 19.30

Vertical totals index: 31.30
Totals totals index: 50.60
Convective Available Potential Energy: 0.00
CAPE using virtual temperature: 1.17
Convective Inhibition: -257.62
CINS using virtual temperature: -239.96
Equilibrium Level: 483.94
Equilibrium Level using virtual temperature: 483.10
Level of Free Convection: 528.25
LFCT using virtual temperature: 557.79
Bulk Richardson Number: 0.00
Bulk Richardson Number using CAPV: 0.01
Temp [K] of the Lifted Condensation Level: 277.00
Pres [hPa] of the Lifted Condensation Level: 726.72
Mean mixed layer potential temperature: 303.47
Mean mixed layer mixing ratio: 7.01
1000 hPa to 500 hPa thickness: 5693.00
Precipitable water [mm] for entire sounding: 21.08

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)
