

72632 DTX White Lake Observations at 00Z 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
1000.0	118									
976.0	329	28.0	17.0	51	12.64	240	5	303.2	341.0	305.6
971.0	375	27.0	15.0	48	11.16	245	6	302.7	336.0	304.7
945.4	610	24.8	14.4	53	11.06	270	9	302.8	335.8	304.8
925.0	802	23.0	14.0	57	10.98	265	10	302.8	335.6	304.8
921.0	840	22.6	13.6	57	10.74	265	10	302.8	334.9	304.7
913.1	914	21.9	13.4	59	10.69	265	10	302.8	334.8	304.8
881.3	1219	19.0	12.6	67	10.51	275	11	302.9	334.3	304.8
850.0	1531	16.0	11.8	76	10.33	255	8	302.9	333.8	304.8
830.0	1733	14.2	11.1	82	10.09	255	8	303.1	333.3	304.9
820.6	1829	13.4	9.9	79	9.40	255	8	303.2	331.5	305.0
820.0	1836	13.4	9.8	79	9.36	255	8	303.3	331.4	305.0
811.0	1929	13.4	6.4	63	7.49	255	8	304.2	327.0	305.6
805.0	1991	13.2	5.2	58	6.93	255	8	304.7	325.9	305.9
791.4	2134	12.1	4.1	58	6.54	255	8	305.0	325.1	306.2
763.0	2438	9.8	1.9	57	5.76	245	5	305.7	323.6	306.8
748.0	2604	8.6	0.6	57	5.37	231	4	306.1	322.8	307.1
738.0	2715	7.8	2.8	71	6.38	222	4	306.4	326.1	307.6
735.5	2743	7.6	2.4	70	6.24	220	4	306.5	325.8	307.7
726.0	2851	7.0	1.0	66	5.70	231	4	307.0	324.7	308.1
708.8	3048	6.0	-4.7	46	3.81	250	3	308.1	320.2	308.8
708.0	3057	6.0	-5.0	45	3.74	255	4	308.1	320.0	308.8
700.0	3150	7.0	-9.0	31	2.78	305	9	310.2	319.3	310.7
696.0	3197	7.0	-13.0	23	2.03	303	10	310.7	317.5	311.1
682.9	3353	6.2	-20.3	13	1.12	295	13	311.6	315.4	311.8
682.0	3364	6.2	-20.8	12	1.08	296	13	311.6	315.4	311.8
667.0	3546	6.0	-18.0	16	1.40	304	13	313.4	318.2	313.7
657.9	3658	5.2	-15.5	21	1.74	310	13	313.8	319.7	314.1
653.0	3719	4.8	-14.2	24	1.96	310	13	313.9	320.6	314.3
641.0	3869	4.2	-25.8	9	0.73	310	15	314.9	317.6	315.1
617.0	4178	2.2	-26.8	10	0.70	310	17	316.1	318.6	316.2
610.2	4267	2.2	-27.2	9	0.67	310	18	317.1	319.5	317.2
602.0	4377	2.2	-27.8	9	0.65	311	18	318.3	320.7	318.4
566.0	4872	0.0	-28.0	10	0.68	315	19	321.4	323.9	321.5
565.6	4877	-0.1	-28.0	10	0.68	315	19	321.4	323.9	321.5
546.0	5158	-2.7	-27.7	13	0.72	315	20	321.5	324.2	321.6
544.4	5182	-2.8	-27.9	12	0.71	315	20	321.6	324.2	321.8
503.8	5791	-6.4	-34.1	9	0.43	280	23	324.5	326.2	324.6
500.0	5850	-6.7	-34.7	9	0.40	280	23	324.8	326.4	324.9
484.1	6096	-8.3	-37.2	8	0.33	280	22	325.9	327.1	325.9
412.6	7315	-16.2	-49.5	4	0.10	275	35	330.9	331.3	330.9
402.0	7513	-17.5	-51.5	3	0.08	279	33	331.7	332.0	331.7
400.0	7550	-17.9	-51.9	3	0.08	280	33	331.6	332.0	331.6
396.2	7620	-18.5	-52.2	3	0.08	275	32	331.8	332.1	331.8
370.0	8128	-22.5	-54.5	4	0.06	283	34	333.0	333.3	333.0
356.0	8410	-24.1	-54.1	4	0.07	288	36	334.5	334.8	334.6
353.0	8472	-24.7	-41.7	19	0.28	289	36	334.5	335.7	334.6
351.0	8513	-24.9	-50.9	7	0.10	290	36	334.8	335.2	334.8
346.0	8617	-25.5	-52.5	6	0.09	291	37	335.4	335.8	335.4
339.0	8765	-26.3	-31.3	63	0.83	294	37	336.2	339.4	336.4
334.0	8873	-26.9	-29.5	79	1.00	295	38	336.9	340.7	337.1
322.0	9136	-28.5	-31.0	79	0.90	300	39	338.2	341.7	338.4
321.6	9144	-28.5	-31.1	78	0.89	300	39	338.2	341.7	338.4

315.0	9293	-29.3	-33.6	66	0.72	300	39	339.2	342.0	339.4
308.0	9453	-30.3	-34.7	65	0.66	300	39	340.0	342.6	340.1
300.0	9640	-31.9	-36.1	66	0.59	300	39	340.3	342.6	340.4
286.0	9976	-34.7	-39.7	60	0.43	303	39	341.0	342.7	341.1
280.0	10123	-35.9	-40.3	64	0.41	304	39	341.3	343.0	341.4
270.0	10375	-37.9	-44.9	48	0.26	306	38	342.0	343.1	342.0
261.0	10608	-40.1	-44.4	63	0.28	308	38	342.1	343.3	342.1
250.0	10900	-42.5	-48.5	52	0.19	310	38	342.7	343.6	342.8
249.0	10927	-42.5	-48.5	52	0.19	310	38	343.1	343.9	343.2
247.3	10973	-43.0	-49.0	52	0.18	310	37	343.1	343.9	343.2
240.0	11174	-44.9	-50.9	51	0.15	310	42	343.2	343.8	343.2
231.0	11428	-46.5	-53.5	45	0.11	310	48	344.5	345.0	344.5
214.0	11931	-50.5	-56.5	49	0.09	310	59	345.9	346.3	345.9
209.0	12085	-50.5	-56.5	49	0.09	310	63	348.2	348.6	348.2
201.0	12338	-52.5	-59.3	43	0.06	310	69	349.1	349.3	349.1
200.0	12370	-52.7	-59.7	42	0.06	310	69	349.1	349.4	349.2
198.0	12435	-53.1	-60.1	42	0.06	310	69	349.5	349.8	349.5
196.1	12497	-53.5	-61.5	37	0.05	310	69	349.9	350.1	349.9
178.3	13106	-57.0	-75.3	8	0.01	315	39	353.7	353.8	353.7
177.0	13151	-57.3	-76.3	7	0.01	316	40	354.0	354.1	354.0
171.0	13369	-58.5	-80.5	4	0.00	324	46	355.5	355.6	355.5
169.9	13411	-58.5	-80.8	4	0.00	325	47	356.2	356.2	356.2
167.0	13518	-58.5	-81.5	4	0.00	323	44	357.9	358.0	357.9
160.0	13787	-60.1	-84.1	3	0.00	319	37	359.6	359.7	359.6
158.0	13865	-59.3	-82.3	4	0.00	318	35	362.3	362.3	362.3
156.0	13945	-59.3	-81.3	4	0.00	316	33	363.6	363.6	363.6
154.1	14021	-59.9	-81.5	4	0.00	315	31	363.9	363.9	363.9
150.0	14190	-61.1	-82.1	5	0.00	310	32	364.6	364.6	364.6
139.6	14630	-64.4	-81.4	8	0.00	300	41	366.4	366.4	366.4
130.0	15066	-67.7	-80.7	14	0.00	305	43	368.0	368.0	368.0
126.3	15240	-65.9	-80.7	11	0.00	310	48	374.4	374.4	374.4
126.0	15255	-65.7	-80.7	11	0.00	310	48	374.9	375.0	374.9
123.0	15402	-66.3	-81.3	11	0.00	313	50	376.4	376.4	376.4
120.1	15545	-65.3	-80.7	10	0.00	315	52	380.7	380.8	380.7
116.0	15759	-63.9	-79.9	10	0.01	327	41	387.2	387.3	387.2
110.0	16084	-65.5	-84.5	6	0.00	346	25	390.1	390.2	390.1
108.8	16154	-64.8	-84.4	5	0.00	350	22	392.7	392.7	392.7
106.0	16311	-63.3	-84.3	4	0.00	337	18	398.5	398.5	398.5
103.5	16459	-63.0	-85.9	3	0.00	325	14	401.7	401.7	401.7
102.0	16548	-62.9	-86.9	3	0.00	317	16	403.6	403.6	403.6
100.0	16670	-61.9	-86.9	2	0.00	305	19	407.9	407.9	407.9

Station information and sounding indices

Station identifier: DTX
 Station number: 72632
 Observation time: 150725/0000
 Station latitude: 42.70
 Station longitude: -83.46
 Station elevation: 329.0
 Showalter index: 2.86
 Lifted index: 1.87

LIFT computed using virtual temperature: 1.29
 SWEAT index: 180.61
 K index: 18.50
 Cross totals index: 18.50
 Vertical totals index: 22.70
 Totals totals index: 41.20
 Convective Available Potential Energy: 11.08
 CAPE using virtual temperature: 32.03

Convective Inhibition: -21.50
CINS using virtual temperature: -6.21
Equilibrium Level: 704.04
Equilibrium Level using virtual temperature: 678.60
Level of Free Convection: 759.29
LFCT using virtual temperature: 782.94
Bulk Richardson Number: 3.09
Bulk Richardson Number using CAPV: 8.93
Temp [K] of the Lifted Condensation Level: 285.37
Pres [hPa] of the Lifted Condensation Level: 812.94
Mean mixed layer potential temperature: 302.78
Mean mixed layer mixing ratio: 11.14
1000 hPa to 500 hPa thickness: 5732.00
Precipitable water [mm] for entire sounding: 26.91

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

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