

72215 FFC Peachtree City 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	99									
984.0	245	33.4	20.4	47	15.59	20	4	308.0	355.4	310.8
951.0	550	28.6	17.6	51	13.50	8	6	306.1	346.9	308.6
944.5	610	28.0	17.2	52	13.29	5	7	306.1	346.3	308.6
925.0	794	26.2	16.2	54	12.68	5	7	306.1	344.4	308.4
912.5	914	25.0	15.8	57	12.52	10	8	306.1	343.9	308.4
894.0	1094	23.2	15.2	61	12.30	358	11	306.0	343.2	308.2
881.2	1219	22.2	14.5	62	11.88	350	13	306.2	342.2	308.4
850.0	1532	19.6	12.6	64	10.90	350	15	306.7	339.8	308.7
849.0	1542	19.6	12.6	64	10.91	350	15	306.8	339.9	308.8
821.1	1829	18.3	10.4	60	9.76	345	16	308.4	338.3	310.2
818.0	1862	18.2	10.2	60	9.64	344	16	308.6	338.2	310.4
792.3	2134	16.1	8.8	62	9.02	340	19	309.2	337.0	310.9
776.0	2311	14.8	7.8	63	8.63	343	17	309.6	336.3	311.2
764.5	2438	14.3	6.2	58	7.84	345	16	310.4	334.9	311.9
746.0	2645	13.6	3.6	51	6.69	355	13	311.8	332.9	313.1
737.3	2743	12.8	3.1	52	6.53	0	12	312.0	332.6	313.2
715.0	3000	10.8	1.8	54	6.13	343	15	312.5	332.0	313.7
710.9	3048	10.7	-0.1	47	5.37	340	15	312.9	330.1	313.9
706.0	3106	10.6	-2.4	40	4.56	340	15	313.4	328.2	314.3
700.0	3177	10.2	-2.8	40	4.47	340	15	313.8	328.2	314.6
693.0	3260	10.0	-3.0	40	4.45	343	14	314.4	328.9	315.3
683.0	3381	9.0	-2.0	46	4.86	346	13	314.6	330.3	315.6
674.0	3491	8.8	-5.2	37	3.87	350	12	315.6	328.3	316.3
660.5	3658	8.1	-6.8	34	3.49	355	11	316.6	328.2	317.3
659.0	3676	8.0	-7.0	34	3.45	353	11	316.7	328.2	317.4
636.4	3962	6.0	-9.9	31	2.84	325	14	317.6	327.1	318.1
613.0	4267	3.8	-13.1	28	2.30	330	14	318.5	326.3	318.9
609.0	4321	3.4	-13.6	28	2.21	332	14	318.6	326.2	319.1
605.0	4375	3.2	-12.8	30	2.37	334	14	319.0	327.1	319.5
599.0	4455	3.2	-21.8	14	1.12	336	14	319.9	323.9	320.1
594.0	4523	3.0	-20.0	17	1.32	338	14	320.5	325.2	320.7
590.0	4578	2.6	-14.4	27	2.14	340	14	320.6	328.0	321.0
583.0	4674	2.6	-19.4	18	1.42	343	14	321.7	326.8	322.0
577.0	4757	1.8	-17.2	23	1.73	346	14	321.7	327.8	322.1
568.5	4877	1.3	-21.0	17	1.27	350	14	322.5	327.0	322.7
564.0	4940	1.0	-23.0	15	1.07	347	14	322.9	326.8	323.1
549.0	5156	-0.7	-23.7	16	1.03	336	13	323.4	327.1	323.6
535.0	5362	0.0	-44.0	2	0.14	326	12	326.6	327.2	326.6
526.8	5486	-0.6	-44.2	2	0.14	320	11	327.3	327.9	327.3
516.0	5650	-1.5	-44.5	2	0.14	328	12	328.2	328.8	328.2
500.0	5900	-3.1	-44.1	3	0.15	340	14	329.2	329.8	329.2
487.5	6096	-4.8	-44.6	3	0.15	340	14	329.6	330.2	329.6
421.0	7233	-14.3	-47.3	4	0.13	331	12	331.4	332.0	331.5
416.4	7315	-14.5	-50.1	3	0.09	330	12	332.2	332.6	332.2
400.0	7620	-15.3	-60.3	1	0.03	300	19	335.0	335.1	335.0
390.0	7811	-16.3	-61.3	1	0.03	306	21	336.1	336.3	336.1
373.0	8144	-19.3	-63.3	1	0.02	317	26	336.5	336.6	336.5
368.7	8230	-19.8	-63.5	1	0.02	320	27	337.0	337.1	337.0
340.0	8828	-23.1	-65.1	1	0.02	305	30	340.3	340.4	340.3
339.5	8839	-23.2	-65.2	1	0.02	305	30	340.3	340.4	340.3
325.5	9144	-26.0	-67.3	1	0.01	305	30	340.6	340.7	340.6
317.0	9336	-27.7	-68.7	1	0.01	305	30	340.8	340.9	340.8

300.0	9730	-30.1	-70.1	1	0.01	305	30	342.8	342.9	342.8
289.0	9996	-31.5	-68.5	1	0.01	307	30	344.5	344.6	344.5
284.0	10120	-32.5	-51.5	13	0.12	308	30	344.8	345.3	344.8
274.0	10373	-34.5	-69.5	2	0.01	310	30	345.5	345.5	345.5
254.0	10900	-38.1	-62.1	6	0.04	314	30	347.7	347.9	347.7
250.0	11010	-38.5	-63.5	5	0.03	315	30	348.7	348.8	348.7
221.0	11843	-43.9	-63.9	9	0.03	334	32	352.9	353.0	352.9
202.0	12435	-49.5	-65.5	14	0.03	348	33	353.2	353.4	353.2
200.0	12500	-49.9	-65.9	14	0.03	350	33	353.6	353.7	353.6
174.0	13400	-56.9	-76.9	6	0.01	319	27	356.4	356.4	356.4
166.0	13698	-59.1	-75.1	11	0.01	308	25	357.6	357.6	357.6
155.0	14127	-61.5	-76.5	12	0.01	292	21	360.5	360.6	360.5
150.0	14330	-63.3	-78.3	11	0.01	285	20	360.8	360.9	360.8
138.0	14836	-68.1	-82.1	12	0.00	313	24	361.1	361.1	361.1
131.0	15148	-69.7	-83.7	11	0.00	330	27	363.6	363.6	363.6
129.0	15240	-69.9	-83.7	12	0.00	335	28	364.9	364.9	364.9
120.0	15669	-70.7	-83.7	13	0.00	331	26	371.0	371.1	371.0
106.0	16399	-73.5	-86.5	12	0.00	325	22	379.1	379.1	379.1
105.0	16454	-73.1	-86.1	12	0.00	332	22	380.9	380.9	380.9
103.0	16567	-73.7	-86.7	12	0.00	345	21	381.8	381.9	381.8
100.0	16740	-72.3	-86.3	11	0.00	5	19	387.8	387.8	387.8

Station information and sounding indices

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Station identifier: FFC
Station number: 72215
Observation time: 150725/0000
Station latitude: 33.36
Station longitude: -84.57
Station elevation: 245.0
Showalter index: 3.89
Lifted index: 0.33
LIFT computed using virtual temperature: -0.62
SWEAT index: 195.20
K index: 22.30
Cross totals index: 15.70
Vertical totals index: 22.70
Totals totals index: 38.40
Convective Available Potential Energy: 291.70
CAPE using virtual temperature: 483.47
Convective Inhibition: -48.18
CINS using virtual temperature: -14.92
Equilibrium Level: 268.57
Equilibrium Level using virtual temperature: 266.59
Level of Free Convection: 719.32
LFCT using virtual temperature: 744.54
Bulk Richardson Number: 37.93
Bulk Richardson Number using CAPV: 62.86
Temp [K] of the Lifted Condensation Level: 288.75
Pres [hPa] of the Lifted Condensation Level: 809.99
Mean mixed layer potential temperature: 306.68
Mean mixed layer mixing ratio: 14.01
1000 hPa to 500 hPa thickness: 5801.00
Precipitable water [mm] for entire sounding: 34.32

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