

72214 TLH Tallahassee Fsu Observations at 00Z 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
1008.0	53	29.2	25.0	78	20.27	15	6	301.7	361.8	305.3
1000.0	128	28.2	24.0	78	19.21	20	9	301.4	358.2	304.8
993.0	191	27.2	23.1	78	18.30	20	10	300.9	355.0	304.2
980.2	305	26.3	22.8	81	18.19	20	12	301.1	354.9	304.4
947.0	610	23.8	22.0	89	17.90	335	5	301.6	354.6	304.9
944.0	638	23.6	21.9	90	17.88	328	6	301.7	354.6	304.9
925.0	816	23.0	21.4	91	17.69	280	16	302.8	355.4	306.0
914.7	914	22.9	20.5	86	16.90	280	14	303.7	354.1	306.7
908.0	979	22.8	19.9	84	16.39	284	14	304.2	353.3	307.2
885.0	1202	20.8	18.8	88	15.69	299	13	304.4	351.4	307.2
883.3	1219	20.7	18.6	88	15.52	300	13	304.5	351.0	307.3
852.8	1524	19.7	14.9	74	12.68	270	11	306.5	344.9	308.8
850.0	1552	19.6	14.6	73	12.44	275	11	306.7	344.4	308.9
825.0	1809	17.2	14.2	83	12.49	284	12	306.8	344.6	309.1
823.0	1829	17.1	13.8	81	12.22	285	12	306.9	343.9	309.1
816.0	1902	16.8	12.5	76	11.28	283	12	307.3	341.6	309.4
802.0	2050	15.6	12.2	80	11.25	278	11	307.5	341.8	309.6
794.1	2134	15.2	11.8	80	11.09	275	11	308.0	341.9	310.1
781.0	2275	14.6	11.2	80	10.81	280	11	308.8	341.9	310.8
774.0	2351	14.2	9.4	73	9.65	282	11	309.2	338.9	311.0
766.1	2438	13.7	9.0	73	9.49	285	11	309.6	338.8	311.3
739.0	2741	12.0	7.6	74	8.94	285	15	310.9	338.7	312.6
738.9	2743	12.0	7.6	75	8.94	285	15	310.9	338.7	312.6
725.0	2901	11.0	8.0	82	9.37	290	15	311.5	340.6	313.2
712.4	3048	10.2	6.8	80	8.80	295	15	312.2	339.7	313.8
700.0	3194	9.4	5.7	78	8.27	285	17	312.9	338.8	314.4
679.0	3446	8.2	3.3	71	7.20	285	18	314.3	337.1	315.6
661.7	3658	6.7	2.0	72	6.74	285	18	314.9	336.4	316.2
637.6	3962	4.6	0.2	73	6.12	275	20	315.8	335.5	317.0
625.0	4125	3.4	-0.8	74	5.81	280	19	316.3	335.0	317.4
614.2	4267	2.6	-3.1	66	4.97	285	19	316.9	333.1	317.9
612.0	4296	2.4	-3.6	65	4.82	284	19	317.1	332.8	318.0
605.0	4389	1.6	-1.9	78	5.53	282	19	317.2	335.1	318.2
590.0	4591	1.8	-6.2	55	4.10	277	20	319.7	333.3	320.5
577.0	4771	1.2	-3.8	69	5.03	273	21	321.0	337.7	322.0
574.0	4813	1.2	-6.8	55	4.02	272	21	321.5	335.0	322.3
569.4	4877	0.9	-4.4	68	4.89	270	21	321.9	338.1	322.8
568.0	4897	0.8	-3.6	72	5.19	271	21	322.0	339.2	323.0
563.0	4968	0.8	-4.2	69	5.01	274	21	322.8	339.5	323.8
548.1	5182	-0.8	-4.8	74	4.89	285	21	323.4	339.8	324.4
527.0	5496	-3.1	-5.8	82	4.74	293	20	324.3	340.2	325.2
519.0	5617	-3.7	-9.7	63	3.55	296	20	325.0	337.1	325.7
507.6	5791	-5.0	-9.5	71	3.68	300	19	325.5	338.0	326.2
500.0	5910	-5.9	-9.4	76	3.77	295	19	325.8	338.6	326.5
492.0	6036	-6.7	-8.5	87	4.11	288	20	326.3	340.3	327.1
488.2	6096	-7.0	-8.9	86	4.02	285	20	326.6	340.3	327.4
465.0	6476	-9.1	-11.5	83	3.43	289	20	328.6	340.5	329.3
457.0	6610	-9.3	-13.3	73	3.02	291	19	330.0	340.6	330.6
451.0	6712	-9.9	-12.4	82	3.29	292	19	330.5	342.0	331.2
443.0	6850	-10.1	-17.1	57	2.27	293	19	331.9	340.1	332.4
433.9	7010	-10.9	-19.1	51	1.95	295	19	332.9	339.9	333.2
428.0	7115	-11.5	-20.5	47	1.76	294	19	333.4	339.9	333.8
412.0	7406	-13.9	-20.9	55	1.76	292	18	334.0	340.5	334.4

400.5	7620	-15.2	-28.0	33	0.96	290	18	335.0	338.6	335.2
400.0	7630	-15.3	-28.3	32	0.93	285	17	335.0	338.6	335.2
396.0	7706	-15.7	-26.7	38	1.09	285	17	335.5	339.6	335.7
391.0	7802	-16.3	-38.3	13	0.36	284	17	335.9	337.4	336.0
383.0	7957	-17.1	-24.1	55	1.43	283	17	336.8	342.2	337.1
379.0	8036	-17.7	-24.7	54	1.37	282	17	337.1	342.2	337.3
365.0	8317	-19.3	-35.3	23	0.52	281	17	338.6	340.6	338.7
361.0	8399	-19.9	-31.9	34	0.74	280	17	338.8	341.7	339.0
357.0	8482	-20.1	-37.1	20	0.45	279	16	339.6	341.4	339.7
355.0	8523	-20.3	-33.3	30	0.65	279	16	339.9	342.5	340.1
350.0	8628	-20.9	-38.9	18	0.38	278	16	340.5	342.0	340.6
343.0	8777	-22.1	-39.1	20	0.38	277	16	340.8	342.4	340.9
338.0	8885	-22.9	-34.9	33	0.59	277	16	341.2	343.5	341.3
333.0	8994	-23.7	-41.7	17	0.30	276	16	341.5	342.8	341.6
326.2	9144	-24.4	-43.6	15	0.25	275	16	342.5	343.6	342.6
322.0	9239	-24.9	-44.9	14	0.22	274	16	343.2	344.1	343.2
314.0	9422	-26.5	-43.5	19	0.26	273	15	343.4	344.5	343.5
301.0	9726	-28.7	-54.7	6	0.08	270	13	344.5	344.8	344.5
300.0	9750	-28.7	-53.7	7	0.09	270	13	344.8	345.2	344.8
299.8	9754	-28.7	-53.3	8	0.09	270	13	344.8	345.2	344.8
295.0	9870	-29.7	-41.7	30	0.34	274	13	345.1	346.5	345.1
292.0	9943	-30.1	-46.1	20	0.21	277	13	345.5	346.4	345.5
288.0	10041	-30.9	-51.9	11	0.11	281	13	345.7	346.2	345.7
282.0	10190	-32.5	-42.5	36	0.32	287	13	345.5	346.9	345.6
273.0	10418	-34.7	-44.7	35	0.26	295	12	345.5	346.6	345.6
270.0	10496	-34.3	-41.3	49	0.38	298	12	347.2	348.8	347.3
263.4	10668	-35.8	-40.8	60	0.41	305	12	347.5	349.2	347.6
261.0	10732	-36.3	-40.6	64	0.43	301	13	347.6	349.4	347.7
252.1	10973	-38.2	-42.0	68	0.38	285	16	348.2	349.9	348.3
250.0	11030	-38.7	-42.3	69	0.37	290	16	348.4	349.9	348.5
240.0	11307	-41.3	-44.7	69	0.30	294	15	348.6	349.8	348.6
209.9	12192	-49.2	-54.6	54	0.11	305	11	349.8	350.3	349.8
200.0	12510	-52.1	-58.1	48	0.07	315	6	350.1	350.4	350.1
193.0	12740	-54.1	-60.1	48	0.06	330	7	350.5	350.8	350.5
166.0	13690	-61.5	-68.5	39	0.02	33	10	353.5	353.7	353.6
157.3	14021	-64.6	-70.5	44	0.02	55	11	353.8	353.9	353.8
150.0	14310	-67.3	-72.3	49	0.01	65	11	354.0	354.0	354.0
149.6	14326	-67.4	-72.4	49	0.01	65	11	354.1	354.2	354.1
149.0	14350	-67.5	-72.5	49	0.01	64	11	354.3	354.4	354.3
140.0	14723	-70.9	-75.9	48	0.01	52	10	354.7	354.7	354.7
135.0	14937	-72.9	-79.9	34	0.01	45	9	354.9	354.9	354.9
133.0	15025	-73.7	-79.7	40	0.01	42	9	354.9	355.0	354.9
128.2	15240	-74.5	-80.5	39	0.00	35	8	357.4	357.4	357.4
123.0	15480	-75.3	-81.3	39	0.00	37	8	360.1	360.1	360.1
112.0	16019	-78.5	-83.5	44	0.00	40	8	363.8	363.9	363.8
108.0	16226	-78.1	-84.1	38	0.00	66	7	368.4	368.4	368.4
105.0	16388	-76.5	-83.5	32	0.00	86	6	374.4	374.4	374.4
100.0	16670	-75.5	-82.5	33	0.00	120	5	381.6	381.6	381.6
98.6	16751	-75.5	-82.5	33	0.00	117	6	383.1	383.2	383.1
95.1	16962	-71.3	-80.3	25	0.01	108	7	395.4	395.4	395.4
91.3	17204	-69.5	-78.5	26	0.01	98	9	403.6	403.6	403.6
90.5	17257	-67.7	-76.7	27	0.01	96	9	408.1	408.2	408.1
76.2	18288	-66.6	-76.5	24	0.02	55	16	430.9	430.9	430.9
74.8	18404	-66.5	-76.5	23	0.02	62	16	433.5	433.6	433.5
72.4	18602	-63.1	-75.1	18	0.02	73	17	444.8	444.9	444.8
70.0	18810	-61.9	-74.9	16	0.02	85	18	451.6	451.8	451.6
67.9	18999	-61.7	-74.7	16	0.02	92	20	456.0	456.1	456.0
65.7	19202	-59.6	-74.3	13	0.02	100	22	464.8	464.9	464.8
65.4	19233	-59.3	-74.3	13	0.02	101	21	466.1	466.3	466.1
62.6	19507	-59.8	-75.7	11	0.02	110	11	470.9	471.0	470.9
59.6	19812	-60.4	-77.3	9	0.02	45	13	476.2	476.4	476.2

56.8	20117	-60.9	-78.9	8	0.01	85	12	481.6	481.8	481.6
54.1	20422	-61.5	-80.5	6	0.01	50	10	487.2	487.3	487.2
54.1	20418	-61.5	-80.5	6	0.01	50	10	487.0	487.1	487.0
51.5	20726	-59.9	-81.9	4	0.01	75	14	497.7	497.8	497.7
51.5	20725	-59.9	-81.9	4	0.01	75	14	497.7	497.7	497.7
50.0	20910	-59.9	-81.9	4	0.01	80	20	501.9	502.0	501.9
49.0	21031	-60.2	-82.5	4	0.01	90	20	504.1	504.1	504.1
47.2	21269	-60.7	-83.7	3	0.01	82	18	508.3	508.4	508.3
46.7	21336	-60.3	-83.5	3	0.01	80	18	510.8	510.9	510.8
45.2	21539	-59.1	-83.1	3	0.01	73	21	518.5	518.6	518.5
44.5	21641	-59.0	-83.4	3	0.01	70	22	521.2	521.3	521.2
42.4	21946	-58.6	-84.5	2	0.01	105	24	529.5	529.6	529.5
38.1	22613	-57.7	-86.7	1	0.01	89	27	548.0	548.1	548.0
34.9	23165	-58.9	-88.7	1	0.00	75	29	558.8	558.9	558.8
33.9	23347	-59.3	-89.3	1	0.00	84	28	562.4	562.4	562.4
33.2	23470	-58.3	-89.0	1	0.00	90	28	568.1	568.1	568.1
31.9	23730	-56.3	-88.3	1	0.01	77	30	580.3	580.3	580.3
31.7	23774	-56.3	-88.3	1	0.01	75	30	581.5	581.5	581.5
30.0	24120	-56.1	-88.1	1	0.01	75	38	591.1	591.2	591.1
29.6	24205	-56.3	-88.3	1	0.01	77	39	592.8	592.9	592.8
28.8	24384	-55.7	-87.9	1	0.01	80	42	599.3	599.3	599.3
26.2	24994	-53.6	-86.5	1	0.01	80	31	621.7	621.8	621.7
23.0	25828	-50.7	-84.7	1	0.01	91	46	653.6	653.7	653.6
20.7	26518	-50.3	-84.3	1	0.02	100	59	674.8	675.0	674.8
20.6	26547	-50.3	-84.3	1	0.02	100	59	675.7	675.9	675.7
20.0	26740	-49.7	-83.7	1	0.02	100	59	683.3	683.5	683.3
18.3	27325	-47.1	-82.1	1	0.03	100	43	709.0	709.3	709.0
18.0	27432	-46.9	-81.9	1	0.03	100	40	712.9	713.2	712.9
15.7	28343	-45.3	-80.3	1	0.04	100	42	746.6	747.1	746.6
15.0	28651	-43.1	-79.1	1	0.05	100	43	763.8	764.4	763.8
14.4	28925	-41.1	-78.1	1	0.06	82	52	779.4	780.1	779.4
14.3	28956	-41.1	-78.1	1	0.06	80	53	780.3	781.0	780.3
12.5	29870	-42.4	-78.8	1	0.06	90	36	806.4	807.2	806.5
11.7	30331	-43.1	-79.1	1	0.07	90	38	819.9	820.7	820.0
11.4	30480	-42.6	-78.9	1	0.07	90	39	826.9	827.8	826.9
10.8	30872	-41.3	-78.3	1	0.08	90	36	845.5	846.5	845.5
10.2	31257	-44.7	-80.7	1	0.06	90	34	846.8	847.5	846.8
10.0	31390	-44.1	-80.1	1	0.07	90	33	853.8	854.6	853.8
9.6	31699	-43.5	-79.5	1	0.08	85	30	867.2	868.1	867.2
9.2	31951	-43.1	-79.1	1	0.08	82	38	878.2	879.3	878.2
8.7	32331	-39.5	-76.5	1	0.13	78	49	906.3	908.1	906.4
8.4	32571	-38.9	-75.9	1	0.15	75	57	917.8	919.8	917.9
8.3	32614	-37.9	-75.2	1	0.17	75	58	923.4	925.7	923.5
8.0	32912	-30.7	-70.7	1	0.34	77	55	963.2	968.0	963.5
7.5	33371	-30.3	-70.3	1	0.39	79	50	982.8	988.2	983.0
7.3	33528	-31.1	-70.8	1	0.37	80	48	985.9	991.1	986.1
7.0	33860	-32.7	-71.7	1	0.34	85	53	992.5	997.3	992.7
7.0	33833	-32.6	-71.6	1	0.34	85	53	991.9	996.8	992.1

Station information and sounding indices

Station identifier: TLH
 Station number: 72214
 Observation time: 150724/0000
 Station latitude: 30.45
 Station longitude: -84.30
 Station elevation: 53.0
 Showalter index: -0.75
 Lifted index: -4.80

LIFT computed using virtual temperature: -5.36

SWEAT index: 216.19
K index: 36.40
Cross totals index: 20.50
Vertical totals index: 25.50
Totals totals index: 46.00
Convective Available Potential Energy: 1564.80
CAPE using virtual temperature: 1744.86
Convective Inhibition: -28.45
CINS using virtual temperature: -17.53
Equilibrium Level: 131.56
Equilibrium Level using virtual temperature: 131.54
Level of Free Convection: 837.86
LFCT using virtual temperature: 860.63
Bulk Richardson Number: 45.87
Bulk Richardson Number using CAPV: 51.15
Temp [K] of the Lifted Condensation Level: 295.34
Pres [hPa] of the Lifted Condensation Level: 932.81
Mean mixed layer potential temperature: 301.27
Mean mixed layer mixing ratio: 18.44
1000 hPa to 500 hPa thickness: 5782.00
Precipitable water [mm] for entire sounding: 57.86

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

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