

72233 LIX Slidell Muni Observations at 12Z 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
1013.0	10	26.4	24.1	87	19.08	265	3	298.4	354.2	301.8
1000.0	129	26.0	24.0	89	19.21	285	15	299.1	355.5	302.6
989.0	227	25.6	23.7	89	19.07	296	22	299.7	355.7	303.1
980.3	305	25.8	22.5	82	17.91	305	28	300.6	353.4	303.9
980.0	308	25.8	22.5	82	17.87	305	28	300.7	353.4	303.9
974.0	362	26.8	20.8	70	16.16	303	26	302.2	350.2	305.1
969.0	408	27.0	22.7	77	18.30	302	25	302.9	357.4	306.2
962.0	472	27.6	21.6	70	17.21	300	24	304.1	355.6	307.2
947.2	610	27.2	19.8	64	15.57	295	20	305.0	351.8	307.9
941.0	668	27.0	19.0	62	14.93	299	19	305.4	350.3	308.1
925.0	820	26.0	19.0	65	15.19	310	17	305.9	351.7	308.7
918.0	887	25.6	18.6	65	14.92	306	16	306.1	351.2	308.9
915.2	914	25.3	18.6	66	14.99	305	15	306.1	351.4	308.9
883.9	1219	22.4	18.9	81	15.78	305	12	306.1	353.7	309.0
868.0	1377	20.8	19.0	89	16.21	310	11	306.1	355.0	309.1
853.4	1524	19.8	17.6	87	15.02	315	11	306.6	351.9	309.3
850.0	1559	19.6	17.2	86	14.75	315	11	306.7	351.2	309.4
823.8	1829	17.9	15.1	84	13.31	300	8	307.6	348.1	310.1
822.0	1848	17.8	15.0	84	13.22	301	8	307.7	347.9	310.1
812.0	1953	17.0	15.5	91	13.83	306	8	307.9	350.0	310.5
796.0	2123	16.6	10.6	68	10.18	314	9	309.3	340.6	311.2
794.9	2134	16.5	10.6	68	10.19	315	9	309.3	340.6	311.2
770.0	2405	14.4	10.3	76	10.32	297	5	309.9	341.6	311.8
767.0	2438	14.1	10.5	79	10.47	295	4	309.9	342.1	311.8
746.0	2672	12.0	11.6	97	11.63	306	7	310.1	345.8	312.2
739.7	2743	11.5	11.1	97	11.30	310	8	310.2	345.0	312.3
718.0	2992	9.6	9.1	97	10.20	310	9	310.8	342.4	312.7
700.0	3203	8.2	6.8	91	8.93	310	9	311.5	339.3	313.2
696.0	3250	8.0	6.5	90	8.80	311	9	311.8	339.3	313.5
691.0	3310	7.8	4.9	82	7.92	311	9	312.2	337.1	313.7
685.0	3382	7.2	5.5	89	8.34	312	9	312.4	338.4	313.9
676.0	3491	6.6	2.8	77	6.97	313	10	312.9	334.9	314.2
667.0	3601	5.6	2.6	81	6.97	314	10	312.9	334.9	314.3
662.4	3658	5.6	0.8	71	6.18	315	10	313.6	333.2	314.7
662.0	3662	5.6	0.7	71	6.12	315	10	313.6	333.1	314.8
640.0	3938	4.4	-4.6	52	4.27	324	11	315.3	329.2	316.1
638.1	3962	4.3	-5.7	48	3.93	325	11	315.5	328.4	316.2
633.0	4028	4.2	-8.8	38	3.12	326	12	316.1	326.4	316.7
621.0	4183	4.0	-11.0	33	2.67	329	14	317.6	326.6	318.1
618.0	4223	3.8	-11.2	33	2.64	329	14	317.8	326.7	318.3
615.0	4262	3.4	-7.6	44	3.53	330	15	317.8	329.5	318.4
614.6	4267	3.4	-7.6	44	3.53	330	15	317.8	329.5	318.4
603.0	4421	2.2	-7.8	48	3.54	329	15	318.2	329.9	318.9
586.0	4652	1.0	-17.0	25	1.73	327	16	319.4	325.4	319.7
572.0	4845	-0.1	-15.1	31	2.08	325	16	320.3	327.5	320.7
569.8	4877	-0.2	-16.9	27	1.80	325	16	320.5	326.8	320.9
568.0	4902	-0.3	-18.3	24	1.60	326	16	320.7	326.3	321.0
552.0	5129	-1.9	-19.9	24	1.44	335	16	321.4	326.5	321.7
540.0	5304	-2.5	-26.5	14	0.82	341	16	322.8	325.8	322.9
534.0	5392	-3.1	-15.1	39	2.23	345	16	323.1	330.8	323.5
530.0	5451	-3.3	-22.3	21	1.21	347	16	323.5	327.9	323.8
527.0	5496	-3.7	-21.7	23	1.29	349	16	323.6	328.2	323.8
520.0	5602	-4.1	-32.1	9	0.50	353	16	324.3	326.2	324.4

516.0	5662	-4.5	-29.5	12	0.65	355	16	324.6	327.0	324.7
513.0	5708	-4.9	-18.9	33	1.68	357	16	324.6	330.6	324.9
510.0	5754	-5.3	-20.3	30	1.50	359	16	324.7	330.0	325.0
507.6	5791	-4.7	-24.4	20	1.05	0	16	325.9	329.7	326.1
507.0	5801	-4.5	-25.5	18	0.95	359	16	326.2	329.7	326.4
500.0	5910	-4.1	-23.1	21	1.20	350	16	328.0	332.4	328.2
495.0	5989	-4.7	-17.7	35	1.93	348	15	328.2	335.1	328.6
491.0	6053	-4.5	-22.5	23	1.29	346	14	329.2	333.9	329.4
488.3	6096	-4.6	-21.3	26	1.44	345	13	329.5	334.8	329.8
487.0	6117	-4.7	-20.7	27	1.52	345	13	329.7	335.2	330.0
480.0	6231	-5.1	-28.1	15	0.79	346	13	330.6	333.6	330.8
473.0	6346	-5.5	-35.5	7	0.40	346	14	331.5	333.1	331.6
456.0	6632	-7.1	-32.1	12	0.57	348	14	333.0	335.2	333.1
434.2	7010	-9.3	-44.7	4	0.17	350	15	334.9	335.6	334.9
419.0	7286	-10.9	-53.9	2	0.06	359	18	336.2	336.5	336.3
401.1	7620	-13.5	-55.6	2	0.05	10	21	337.1	337.3	337.1
400.0	7640	-13.7	-55.7	2	0.05	10	22	337.1	337.3	337.1
385.2	7925	-16.0	-56.4	2	0.05	20	26	337.7	337.9	337.7
382.0	7989	-16.5	-56.5	2	0.05	19	26	337.9	338.1	337.9
380.0	8028	-16.7	-49.7	4	0.11	19	25	338.1	338.6	338.1
377.0	8088	-17.1	-36.1	18	0.47	18	25	338.4	340.2	338.4
375.0	8128	-17.5	-44.5	8	0.20	18	25	338.3	339.2	338.4
370.0	8228	-18.3	-38.3	16	0.38	16	24	338.6	340.1	338.6
358.0	8474	-20.1	-40.1	15	0.33	13	23	339.4	340.7	339.4
328.0	9117	-25.5	-51.5	7	0.10	5	19	340.5	341.0	340.6
326.8	9144	-25.6	-50.0	8	0.12	5	19	340.7	341.3	340.8
322.0	9251	-26.1	-44.1	17	0.24	8	19	341.5	342.5	341.6
311.0	9502	-27.7	-49.7	10	0.13	17	20	342.7	343.2	342.7
309.0	9548	-28.1	-42.1	25	0.31	18	20	342.8	344.0	342.8
307.0	9595	-28.5	-34.5	56	0.67	20	20	342.8	345.5	343.0
306.0	9618	-28.7	-33.4	64	0.75	20	21	342.9	345.8	343.0
300.0	9760	-30.1	-33.6	71	0.75	25	21	342.8	345.8	343.0
296.0	9855	-30.9	-33.9	75	0.74	25	21	343.0	345.9	343.2
285.0	10122	-32.5	-37.4	62	0.54	26	21	344.5	346.7	344.6
283.0	10171	-32.7	-39.7	50	0.43	27	21	344.9	346.6	345.0
281.0	10221	-33.1	-38.1	61	0.51	27	21	345.0	347.1	345.1
279.0	10271	-33.3	-41.3	44	0.37	27	21	345.4	346.9	345.5
276.0	10347	-33.7	-39.7	55	0.44	27	21	345.9	347.7	346.0
268.0	10551	-35.7	-41.7	54	0.37	28	20	345.9	347.4	346.0
267.0	10577	-35.9	-44.9	39	0.26	28	20	346.0	347.1	346.0
265.0	10629	-36.1	-56.1	11	0.07	28	20	346.4	346.8	346.4
264.0	10656	-36.1	-63.1	4	0.03	29	20	346.8	347.0	346.8
258.0	10814	-37.5	-56.5	12	0.07	29	20	347.0	347.4	347.1
254.0	10921	-38.1	-60.1	8	0.05	30	20	347.7	347.9	347.7
250.0	11030	-39.3	-55.3	17	0.08	30	20	347.5	347.9	347.5
244.0	11196	-40.7	-50.7	33	0.15	28	20	347.8	348.5	347.9
241.0	11280	-41.1	-61.1	10	0.04	28	20	348.5	348.7	348.5
234.0	11480	-42.9	-57.9	18	0.07	26	20	348.7	349.0	348.7
232.0	11538	-43.5	-62.5	10	0.04	25	20	348.6	348.8	348.6
225.0	11743	-44.7	-54.7	32	0.10	23	20	349.9	350.3	349.9
223.0	11803	-45.5	-55.5	31	0.09	22	20	349.5	349.9	349.5
216.0	12015	-47.1	-53.1	50	0.13	20	20	350.2	350.8	350.3
200.0	12520	-51.5	-57.5	49	0.08	15	20	351.1	351.4	351.1
192.0	12784	-53.9	-58.7	55	0.07	21	21	351.3	351.7	351.3
180.0	13196	-56.9	-61.9	53	0.05	30	22	353.0	353.2	353.0
174.0	13410	-58.3	-66.3	35	0.03	34	22	354.1	354.2	354.1
159.0	13972	-63.1	-70.1	38	0.02	47	24	355.2	355.3	355.2
150.0	14330	-64.5	-73.5	28	0.01	55	25	358.8	358.8	358.8
128.8	15240	-72.5	-80.6	29	0.00	65	19	360.3	360.3	360.3
127.0	15325	-73.3	-81.3	29	0.00	66	19	360.4	360.4	360.4
117.0	15802	-76.1	-82.1	38	0.00	75	18	363.8	363.8	363.8

104.0	16483	-75.1	-82.1	33	0.00	101	17	378.1	378.1	378.1
100.0	16710	-75.5	-83.5	28	0.00	110	16	381.6	381.6	381.6
96.2	16936	-71.5	-81.5	21	0.01	101	19	393.7	393.7	393.7
89.8	17342	-71.7	-85.7	11	0.00	85	24	401.1	401.1	401.1
81.8	17897	-67.3	-86.3	5	0.00	63	30	420.9	420.9	420.9
80.7	17983	-67.0	-86.8	5	0.00	60	31	423.3	423.3	423.3
76.7	18288	-65.8	-88.5	3	0.00	95	23	431.9	431.9	431.9
75.0	18422	-65.3	-89.3	2	0.00	91	22	435.7	435.7	435.7
70.7	18780	-66.7	-91.7	2	0.00	82	20	440.1	440.1	440.1
70.0	18840	-65.9	-90.9	2	0.00	80	20	443.1	443.1	443.1
69.3	18898	-65.4	-90.8	2	0.00	80	17	445.3	445.3	445.3
66.0	19202	-63.0	-89.9	2	0.00	75	23	456.9	456.9	456.9
65.8	19217	-62.9	-89.9	2	0.00	76	23	457.5	457.5	457.5
62.8	19507	-62.4	-90.3	1	0.00	95	29	464.8	464.8	464.8
59.7	19812	-61.9	-90.8	1	0.00	100	16	472.5	472.6	472.5
56.9	20117	-61.4	-91.2	1	0.00	80	24	480.4	480.5	480.4
56.4	20166	-61.3	-91.3	1	0.00	84	24	481.7	481.8	481.7
54.1	20422	-62.0	-92.0	1	0.00	105	27	486.0	486.0	486.0
52.9	20561	-62.3	-92.3	1	0.00	101	27	488.3	488.3	488.3
50.0	20910	-60.3	-91.3	1	0.00	90	27	500.9	501.0	500.9
49.1	21024	-58.9	-89.9	1	0.00	90	33	506.9	506.9	506.9
49.0	21031	-58.9	-89.9	1	0.00	90	33	507.0	507.0	507.0
47.2	21271	-59.7	-90.7	1	0.00	98	28	510.7	510.7	510.7
46.7	21336	-59.2	-90.5	1	0.00	100	27	513.4	513.5	513.4
45.5	21501	-57.9	-89.9	1	0.00	105	28	520.4	520.5	520.4
44.5	21641	-58.4	-90.0	1	0.00	110	29	522.6	522.6	522.6
43.0	21857	-59.1	-90.1	1	0.00	110	28	526.0	526.0	526.0
38.9	22494	-53.3	-86.3	1	0.01	110	27	555.9	556.0	555.9
36.7	22860	-54.2	-86.8	1	0.01	110	26	562.8	562.8	562.8
35.0	23165	-54.9	-87.2	1	0.01	95	23	568.5	568.6	568.5
33.8	23395	-55.5	-87.5	1	0.01	89	25	572.9	572.9	572.9
31.9	23765	-53.7	-86.7	1	0.01	80	28	587.2	587.3	587.2
30.0	24160	-53.9	-86.9	1	0.01	70	32	597.1	597.2	597.1
29.0	24384	-54.4	-86.9	1	0.01	70	32	601.8	601.8	601.8
27.9	24626	-54.9	-86.9	1	0.01	68	33	606.8	606.9	606.8
26.4	24994	-52.9	-85.5	1	0.01	65	34	622.6	622.7	622.6
25.5	25206	-51.7	-84.7	1	0.01	70	33	631.8	631.9	631.8
24.4	25491	-52.9	-85.9	1	0.01	77	32	636.3	636.4	636.3
24.0	25603	-52.8	-85.8	1	0.01	80	32	639.8	639.9	639.8
22.9	25908	-52.5	-85.5	1	0.01	65	32	649.4	649.5	649.4
20.0	26780	-51.5	-84.5	1	0.02	85	38	677.8	677.9	677.8
19.4	26978	-51.1	-85.1	1	0.01	88	38	684.9	685.1	684.9
18.1	27432	-49.7	-84.1	1	0.02	95	39	703.0	703.2	703.0
17.3	27737	-48.8	-83.4	1	0.02	95	42	715.4	715.6	715.4
16.2	28158	-47.5	-82.5	1	0.03	92	48	732.8	733.1	732.8
15.7	28346	-48.3	-82.6	1	0.03	90	50	736.3	736.6	736.3
15.5	28449	-48.7	-82.7	1	0.03	90	50	738.2	738.5	738.2
13.0	29623	-41.3	-78.3	1	0.07	84	49	801.8	802.6	801.9
12.6	29835	-42.3	-78.3	1	0.07	83	49	805.5	806.4	805.6
11.5	30480	-40.1	-77.1	1	0.09	80	48	835.7	836.8	835.7
11.5	30455	-40.1	-77.1	1	0.09	80	48	834.7	835.8	834.8
10.0	31410	-39.1	-76.1	1	0.12	90	45	872.4	874.0	872.5
10.0	31394	-39.1	-76.1	1	0.12	90	47	871.8	873.4	871.9
9.8	31548	-39.5	-76.5	1	0.12			876.0	877.5	876.1

Station information and sounding indices

Station identifier: LIX

Station number: 72233

Observation time: 150725/1200

Station latitude: 30.34
Station longitude: -89.83
Station elevation: 10.0
Showalter index: -1.47
Lifted index: -2.63
LIFT computed using virtual temperature: -3.57
SWEAT index: 244.40
K index: 39.50
Cross totals index: 21.30
Vertical totals index: 23.70
Totals totals index: 45.00
Convective Available Potential Energy: 1218.68
CAPE using virtual temperature: 1435.92
Convective Inhibition: -111.08
CINS using virtual temperature: -95.96
Equilibrium Level: 172.32
Equilibrium Level using virtual temperature: 172.04
Level of Free Convection: 814.03
LFCT using virtual temperature: 826.45
Bulk Richardson Number: 114.21
Bulk Richardson Number using CAPV: 134.57
Temp [K] of the Lifted Condensation Level: 295.27
Pres [hPa] of the Lifted Condensation Level: 937.59
Mean mixed layer potential temperature: 300.78
Mean mixed layer mixing ratio: 18.29
1000 hPa to 500 hPa thickness: 5781.00
Precipitable water [mm] for entire sounding: 52.98

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

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