

72248 SHV Shreveport Reg 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
1005.0	79	26.0	23.3	85	18.30	255	5	298.7	352.2	302.0
1000.0	129	25.8	21.8	79	16.75	255	10	298.9	348.0	301.9
990.0	218	26.2	21.7	76	16.82	258	17	300.2	349.7	303.2
980.4	305	27.4	21.2	69	16.48	260	23	302.3	351.2	305.3
976.0	344	28.0	21.0	66	16.33	261	21	303.2	351.9	306.2
961.0	482	28.0	20.0	62	15.57	263	16	304.6	351.3	307.4
947.3	610	27.2	18.9	60	14.70	265	11	305.1	349.3	307.8
925.0	821	26.0	17.0	58	13.35	260	10	305.9	346.2	308.3
915.2	914	25.3	16.3	57	12.89	265	9	306.1	345.1	308.4
884.0	1219	22.9	13.9	57	11.45	240	7	306.7	341.5	308.8
882.0	1238	22.8	13.8	57	11.37	240	7	306.8	341.3	308.9
853.5	1524	22.6	3.9	29	5.94	245	11	309.5	328.1	310.6
850.0	1560	22.6	2.6	27	5.46	285	4	309.8	327.1	310.8
824.0	1829	21.6	3.0	30	5.81	170	5	311.5	329.9	312.6
815.0	1925	21.2	3.2	31	5.94	165	6	312.1	330.9	313.2
799.0	2096	19.2	9.2	52	9.22	157	8	311.7	340.4	313.4
795.5	2134	18.9	9.2	53	9.26	155	8	311.8	340.6	313.5
788.0	2215	18.2	9.2	56	9.35	160	8	311.9	341.0	313.6
773.0	2380	18.0	3.0	37	6.18	171	8	313.4	333.1	314.6
767.7	2438	17.6	2.3	36	5.92	175	8	313.6	332.5	314.7
758.0	2547	17.0	1.0	34	5.46	155	8	314.1	331.6	315.1
740.6	2743	15.4	-0.1	35	5.17	120	8	314.4	331.0	315.4
700.0	3219	11.4	-2.6	37	4.54	100	7	315.1	329.8	315.9
694.0	3291	10.8	-1.2	43	5.08	92	9	315.2	331.6	316.1
688.8	3353	10.5	-2.8	39	4.53	85	10	315.5	330.2	316.3
682.0	3436	10.0	-5.0	34	3.88	82	10	315.9	328.6	316.6
664.0	3657	8.2	-3.8	42	4.37	75	10	316.3	330.6	317.1
663.9	3658	8.2	-3.8	42	4.37	75	10	316.3	330.6	317.1
639.7	3962	5.8	-6.9	40	3.59	65	10	316.9	328.8	317.6
628.0	4113	4.6	-8.4	38	3.25	63	12	317.2	328.1	317.9
616.2	4267	3.1	-6.2	50	3.92	60	15	317.3	330.2	318.0
615.0	4283	3.0	-6.0	52	3.99	60	15	317.3	330.5	318.1
602.0	4455	1.6	-9.4	44	3.13	58	16	317.6	328.1	318.2
595.0	4549	1.0	-8.0	51	3.54	58	16	318.0	329.7	318.7
588.0	4644	-0.1	-3.5	78	5.05	57	17	317.8	334.3	318.8
583.0	4713	-0.1	-5.1	69	4.51	56	17	318.6	333.4	319.4
579.0	4768	0.4	-9.6	47	3.20	56	17	319.8	330.6	320.4
577.0	4795	0.4	-10.6	43	2.97	56	18	320.1	330.1	320.7
571.1	4877	-0.0	-6.8	60	4.03	55	18	320.5	334.0	321.3
570.0	4893	-0.1	-6.1	64	4.28	55	18	320.6	334.8	321.4
566.0	4949	0.0	-17.0	27	1.79	54	17	321.4	327.6	321.7
564.0	4978	-0.1	-18.1	24	1.64	53	17	321.6	327.4	321.9
561.0	5020	-0.7	-11.7	43	2.80	53	16	321.4	330.9	321.9
554.0	5120	-1.7	-7.7	64	3.89	51	15	321.4	334.4	322.1
550.0	5178	-1.7	-15.7	34	2.06	50	14	322.0	329.2	322.4
549.7	5182	-1.7	-15.4	34	2.11	50	14	322.0	329.4	322.4
545.0	5250	-2.1	-10.1	54	3.27	43	14	322.4	333.5	323.0
542.0	5294	-2.3	-9.3	59	3.51	39	14	322.6	334.5	323.3
537.0	5368	-2.5	-14.5	39	2.33	32	13	323.3	331.3	323.7
529.0	5486	-3.3	-20.9	24	1.38	20	13	323.7	328.6	324.0
527.0	5516	-3.5	-22.5	21	1.20	20	13	323.8	328.1	324.0
524.0	5561	-3.9	-15.9	39	2.12	20	13	323.9	331.3	324.3
518.0	5652	-3.7	-19.7	28	1.56	20	14	325.2	330.7	325.5

511.0	5759	-4.5	-16.5	39	2.07	20	14	325.5	332.8	325.9
508.9	5791	-4.5	-17.7	35	1.88	20	14	325.8	332.5	326.2
504.0	5867	-4.5	-20.5	27	1.49	26	13	326.7	332.1	327.0
500.0	5930	-4.9	-18.9	33	1.73	30	13	327.0	333.2	327.3
499.0	5946	-5.1	-19.1	32	1.70	31	13	326.9	333.0	327.3
489.6	6096	-6.2	-21.2	30	1.45	40	11	327.3	332.6	327.6
489.0	6105	-6.3	-21.3	29	1.44	40	11	327.4	332.6	327.6
482.0	6219	-6.3	-36.3	7	0.36	36	11	328.7	330.1	328.8
479.0	6268	-6.7	-40.7	5	0.23	34	12	328.8	329.7	328.9
470.9	6401	-7.8	-32.1	12	0.55	30	12	329.1	331.2	329.2
464.0	6516	-8.7	-24.7	26	1.12	22	12	329.3	333.5	329.6
461.0	6567	-8.9	-28.9	18	0.77	18	12	329.7	332.6	329.8
458.0	6618	-8.9	-26.9	22	0.93	14	12	330.3	333.8	330.5
454.0	6686	-9.1	-40.1	6	0.26	9	12	330.9	331.9	330.9
450.0	6755	-9.3	-41.3	5	0.23	4	12	331.5	332.4	331.5
440.0	6929	-10.7	-45.7	4	0.15	351	12	331.8	332.4	331.9
435.4	7010	-11.4	-24.4	34	1.23	345	12	331.9	336.5	332.1
435.0	7017	-11.5	-22.5	40	1.45	346	12	331.9	337.2	332.2
427.0	7160	-12.7	-21.7	47	1.59	356	13	332.1	337.9	332.5
419.0	7305	-12.9	-28.9	25	0.84	7	14	333.7	336.9	333.9
410.0	7471	-13.5	-29.5	25	0.81	19	15	335.0	338.1	335.1
405.0	7565	-13.1	-36.1	13	0.43	26	16	336.7	338.4	336.8
402.1	7620	-13.4	-39.9	9	0.30	30	16	336.9	338.1	337.0
400.0	7660	-13.7	-42.7	7	0.22	30	20	337.1	338.0	337.1
397.0	7717	-13.9	-47.9	4	0.13	30	20	337.6	338.1	337.6
387.0	7909	-15.5	-39.5	11	0.32	30	22	337.9	339.2	338.0
386.2	7925	-15.6	-41.5	9	0.26	30	22	338.0	339.1	338.0
379.0	8066	-16.7	-59.7	1	0.03	35	21	338.4	338.5	338.4
355.7	8534	-20.3	-55.4	3	0.06	50	19	339.7	340.0	339.7
328.0	9130	-24.9	-49.9	8	0.12	35	17	341.4	341.9	341.4
327.4	9144	-25.0	-49.6	8	0.13	35	17	341.4	341.9	341.4
313.8	9449	-27.4	-43.3	21	0.27	50	13	342.2	343.3	342.2
308.0	9583	-28.5	-40.5	31	0.36	50	15	342.5	344.0	342.6
300.0	9770	-30.3	-44.3	24	0.25	50	17	342.6	343.6	342.6
293.0	9937	-31.3	-45.3	24	0.23	51	17	343.4	344.4	343.5
281.0	10232	-33.3	-63.3	3	0.03	52	18	344.7	344.8	344.7
252.4	10973	-39.5	-58.5	11	0.06	55	19	346.2	346.4	346.2
250.0	11040	-40.1	-58.1	13	0.06	60	17	346.3	346.6	346.3
241.4	11278	-42.3	-57.9	17	0.06	70	15	346.5	346.8	346.5
236.0	11432	-43.7	-57.7	20	0.07	93	13	346.6	346.9	346.6
230.8	11582	-44.6	-62.5	12	0.04	115	11	347.5	347.6	347.5
228.0	11664	-45.1	-65.1	9	0.03	114	11	347.9	348.1	347.9
225.0	11753	-45.7	-65.7	9	0.02	112	10	348.3	348.4	348.3
220.5	11887	-46.9	-61.5	17	0.04	110	10	348.6	348.8	348.6
215.0	12056	-48.3	-56.3	39	0.09	103	10	348.8	349.2	348.9
207.0	12305	-50.5	-57.5	43	0.08	93	10	349.2	349.5	349.2
201.0	12497	-52.0	-59.9	38	0.06	85	10	349.7	350.0	349.7
200.0	12530	-52.3	-60.3	37	0.06	80	10	349.8	350.1	349.8
195.0	12693	-53.5	-61.5	37	0.05	74	10	350.4	350.6	350.4
188.0	12927	-55.7	-68.7	18	0.02	66	10	350.5	350.6	350.6
181.0	13168	-57.7	-72.7	13	0.01	57	10	351.1	351.2	351.1
166.0	13709	-61.5	-77.5	10	0.01	37	11	353.5	353.6	353.6
159.0	13974	-63.9	-75.9	18	0.01	27	11	353.9	353.9	353.9
157.8	14021	-64.1	-76.0	18	0.01	25	11	354.2	354.3	354.2
150.0	14330	-65.7	-76.7	20	0.01	60	14	356.7	356.8	356.7
142.7	14630	-67.8	-78.1	22	0.01	85	15	358.2	358.2	358.2
135.6	14935	-69.9	-79.5	23	0.01	60	11	359.7	359.7	359.7
130.0	15186	-71.7	-80.7	25	0.00	81	12	360.9	360.9	360.9
128.8	15240	-71.8	-80.8	25	0.00	85	12	361.5	361.5	361.5
124.0	15465	-72.5	-81.5	25	0.00	92	8	364.3	364.3	364.3
122.3	15545	-73.1	-81.8	26	0.00	95	6	364.6	364.7	364.6

119.0	15705	-74.3	-82.3	28	0.00	82	7	365.3	365.3	365.3
115.0	15904	-74.9	-83.9	24	0.00	65	9	367.8	367.8	367.8
113.0	16006	-73.9	-82.9	24	0.00	67	10	371.5	371.5	371.5
109.0	16216	-73.9	-83.9	20	0.00	71	12	375.3	375.4	375.3
107.0	16325	-72.7	-82.7	21	0.00	73	13	379.6	379.6	379.6
104.0	16491	-73.7	-82.7	24	0.00	76	15	380.8	380.8	380.8
100.0	16720	-73.7	-83.7	20	0.00	80	17	385.1	385.1	385.1
95.2	17006	-74.9	-83.9	24	0.00	85	19	388.2	388.2	388.2
88.1	17459	-71.7	-83.7	15	0.00	92	23	403.3	403.3	403.3
78.4	18147	-71.9	-83.9	15	0.00	103	29	416.5	416.6	416.5
76.6	18288	-68.9	-82.7	12	0.01	105	30	425.6	425.6	425.6
76.3	18308	-68.5	-82.5	12	0.01	107	29	426.9	426.9	426.9
72.8	18593	-66.3	-82.1	9	0.01	130	18	437.3	437.3	437.3
72.4	18624	-66.1	-82.1	9	0.01	129	18	438.4	438.4	438.4
70.0	18830	-62.3	-81.3	6	0.01	125	17	450.8	450.8	450.8
68.5	18964	-59.7	-80.7	5	0.01	120	18	459.1	459.2	459.1
66.0	19202	-58.3	-81.6	4	0.01	110	19	467.2	467.2	467.2
63.1	19479	-56.7	-82.7	2	0.01	65	16	476.7	476.7	476.7
62.8	19507	-56.7	-82.9	2	0.01	60	16	477.2	477.3	477.2
59.9	19812	-56.9	-84.8	2	0.01	100	19	483.5	483.5	483.5
57.0	20117	-57.1	-86.8	1	0.00	50	19	489.8	489.8	489.8
56.6	20166	-57.1	-87.1	1	0.00	54	19	490.8	490.8	490.8
51.8	20726	-60.1	-89.3	1	0.00	100	16	496.4	496.5	496.4
50.6	20866	-60.9	-89.9	1	0.00	90	14	497.8	497.9	497.8
50.0	20940	-60.7	-89.7	1	0.00	85	13	500.0	500.0	500.0
49.3	21031	-60.7	-89.8	1	0.00	75	17	502.2	502.2	502.2
46.9	21336	-60.5	-90.0	1	0.00	95	18	509.6	509.6	509.6
42.9	21894	-60.3	-90.3	1	0.00	95	27	523.4	523.4	523.4
42.5	21946	-60.1	-90.2	1	0.00	95	28	525.2	525.2	525.2
38.6	22555	-57.2	-88.7	1	0.00	110	21	547.1	547.2	547.1
37.2	22791	-56.1	-88.1	1	0.00	96	21	555.9	555.9	555.9
35.1	23165	-56.2	-88.2	1	0.00	75	21	565.1	565.1	565.1
33.4	23470	-56.2	-88.2	1	0.00	100	29	572.7	572.8	572.7
32.3	23688	-56.3	-88.3	1	0.01	82	31	578.2	578.3	578.2
31.9	23774	-55.7	-87.7	1	0.01	75	32	582.0	582.0	582.0
31.1	23930	-54.7	-86.7	1	0.01	81	32	588.8	588.9	588.8
30.0	24160	-54.9	-86.9	1	0.01	90	33	594.4	594.4	594.4
29.2	24333	-55.9	-87.9	1	0.01	94	30	596.2	596.3	596.2
29.0	24384	-55.8	-87.8	1	0.01	95	29	598.0	598.0	598.0
27.6	24689	-54.9	-87.2	1	0.01	80	30	608.4	608.4	608.4
21.8	26213	-50.9	-84.4	1	0.01	85	44	663.0	663.1	663.0
20.2	26715	-49.5	-83.5	1	0.02	76	35	682.0	682.1	682.0
20.0	26780	-49.7	-83.7	1	0.02	75	34	683.3	683.5	683.3
19.0	27127	-50.5	-84.2	1	0.02	60	29	691.2	691.3	691.2
18.1	27432	-51.3	-84.6	1	0.02	65	32	698.1	698.3	698.1
17.4	27686	-51.9	-84.9	1	0.02	71	32	704.0	704.2	704.0
15.0	28651	-46.3	-80.9	1	0.04	95	32	752.8	753.3	752.8
14.5	28886	-44.9	-79.9	1	0.05	80	30	765.1	765.7	765.1
14.3	28956	-45.2	-80.1	1	0.05	75	29	766.5	767.0	766.5
13.7	29261	-46.5	-81.0	1	0.04	60	32	772.3	772.8	772.3
12.9	29662	-48.1	-82.1	1	0.04	83	43	780.0	780.5	780.0
12.5	29870	-48.2	-82.2	1	0.04	95	49	786.8	787.3	786.9
11.9	30193	-48.3	-82.3	1	0.04	98	51	797.5	798.0	797.5
11.4	30480	-45.9	-80.7	1	0.05	100	53	815.9	816.6	816.0
10.6	30965	-41.9	-77.9	1	0.09	92	60	847.8	848.9	847.8
10.4	31090	-41.7	-78.0	1	0.09	90	62	853.0	854.1	853.0
10.0	31360	-41.3	-78.3	1	0.09	100	59	864.2	865.4	864.3
8.7	32312	-37.9	-75.9	1	0.15	92	62	912.5	914.5	912.6
8.3	32614	-37.9	-75.9	1	0.15	90	63	924.0	926.1	924.1
8.1	32804	-37.9	-75.9	1	0.16			931.3	933.5	931.4

Station information and sounding indices

Station identifier: SHV
Station number: 72248
Observation time: 150725/1200
Station latitude: 32.46
Station longitude: -93.78
Station elevation: 79.0
Showalter index: 7.87
Lifted index: -2.01
LIFT computed using virtual temperature: -2.74
SWEAT index: 52.20
K index: 16.10
Cross totals index: 7.50
Vertical totals index: 27.50
Totals totals index: 35.00
Convective Available Potential Energy: 560.08
CAPE using virtual temperature: 721.67
Convective Inhibition: -315.52
CINS using virtual temperature: -215.32
Equilibrium Level: 200.63
Equilibrium Level using virtual temperature: 199.74
Level of Free Convection: 672.75
LFCT using virtual temperature: 709.01
Bulk Richardson Number: 13.06
Bulk Richardson Number using CAPV: 16.82
Temp [K] of the Lifted Condensation Level: 292.64
Pres [hPa] of the Lifted Condensation Level: 893.23
Mean mixed layer potential temperature: 302.25
Mean mixed layer mixing ratio: 16.27
1000 hPa to 500 hPa thickness: 5801.00
Precipitable water [mm] for entire sounding: 38.12

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

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