

72694 SLE Salem 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
1010.0	61	27.6	7.6	28	6.52	315	3	299.9	319.5	301.1
1001.0	144	25.0	7.0	32	6.31	293	5	298.1	316.9	299.2
1000.0	153	24.8	6.8	32	6.23	290	5	297.9	316.6	299.1
982.6	305	23.3	6.4	34	6.19	280	5	297.9	316.5	299.1
948.6	610	20.3	5.7	38	6.09	265	4	297.9	316.2	299.0
925.0	828	18.2	5.2	42	6.03	260	5	297.9	315.9	299.0
915.7	914	17.4	4.8	43	5.94	255	6	298.0	315.8	299.1
883.3	1219	14.8	3.6	47	5.64	240	6	298.3	315.3	299.3
858.0	1465	12.6	2.6	51	5.41	278	4	298.5	314.8	299.5
850.0	1544	12.6	-3.4	33	3.52	290	3	299.3	310.2	300.0
838.0	1663	11.8	-7.2	26	2.67	263	4	299.7	308.1	300.2
830.0	1743	11.4	1.4	50	5.13	245	5	300.1	315.7	301.0
821.5	1829	10.9	0.4	48	4.83	225	6	300.5	315.3	301.4
791.9	2134	9.3	-3.0	42	3.89	240	9	301.9	314.0	302.6
780.0	2260	8.6	-4.4	40	3.55	248	11	302.5	313.6	303.1
767.0	2399	8.0	3.0	71	6.23	257	14	303.3	322.3	304.4
763.4	2438	8.1	3.1	71	6.30	260	15	303.8	323.0	304.9
754.0	2540	8.2	3.3	71	6.47	258	15	305.0	324.9	306.2
745.0	2639	8.2	1.2	61	5.63	257	15	306.0	323.5	307.1
735.6	2743	7.5	0.9	63	5.57	255	15	306.4	323.7	307.4
700.0	3151	4.6	-0.4	70	5.34	230	19	307.6	324.2	308.5
667.0	3543	1.6	-2.1	76	4.94	242	18	308.4	324.0	309.4
657.5	3658	1.2	-3.4	72	4.56	245	18	309.3	323.7	310.1
653.0	3714	1.0	-4.0	69	4.38	244	18	309.6	323.6	310.5
645.0	3813	0.2	-3.8	74	4.50	241	19	309.8	324.1	310.7
640.0	3875	0.0	-7.0	59	3.55	240	19	310.3	321.8	311.0
630.0	4001	-0.9	-5.9	69	3.93	237	20	310.7	323.3	311.4
620.0	4129	-1.3	-9.3	55	3.06	233	21	311.6	321.6	312.2
609.3	4267	-2.1	-11.9	47	2.54	230	22	312.2	320.6	312.7
590.0	4523	-3.7	-16.7	36	1.76	238	21	313.3	319.3	313.6
586.0	4577	-3.9	-21.9	23	1.14	240	20	313.7	317.6	313.9
564.0	4877	-6.1	-26.1	19	0.81	250	19	314.5	317.4	314.7
555.0	5003	-6.9	-20.9	32	1.31	250	21	315.0	319.6	315.3
548.0	5102	-7.7	-14.7	57	2.24	250	22	315.2	322.8	315.6
539.0	5231	-8.5	-16.5	52	1.96	250	23	315.8	322.4	316.1
535.0	5288	-8.9	-14.9	62	2.26	250	24	316.0	323.6	316.4
524.0	5449	-9.9	-17.9	52	1.80	250	26	316.6	322.8	317.0
520.0	5508	-10.1	-26.1	26	0.88	250	27	317.1	320.2	317.3
517.0	5553	-10.1	-31.1	16	0.56	250	27	317.6	319.7	317.7
511.0	5643	-10.5	-35.5	11	0.37	250	28	318.2	319.6	318.3
501.2	5791	-11.0	-32.5	15	0.50	250	30	319.3	321.2	319.4
500.0	5810	-11.1	-32.1	16	0.52	245	27	319.4	321.4	319.5
484.0	6059	-12.9	-31.9	19	0.55	249	29	320.2	322.2	320.3
481.7	6096	-13.1	-33.2	17	0.48	250	29	320.4	322.2	320.5
474.0	6218	-13.7	-37.7	11	0.32	251	29	321.1	322.4	321.2
463.0	6396	-15.1	-32.1	22	0.56	253	29	321.6	323.7	321.7
457.0	6495	-15.7	-37.7	13	0.33	254	29	322.0	323.3	322.1
453.0	6561	-16.5	-36.5	16	0.37	255	29	321.8	323.2	321.9
428.0	6987	-18.3	-38.3	16	0.33	260	29	324.8	326.1	324.8
419.0	7146	-19.3	-35.3	23	0.45	261	29	325.5	327.2	325.6
403.0	7435	-20.9	-38.9	18	0.33	264	29	327.0	328.3	327.1
400.0	7490	-21.5	-38.5	20	0.35	265	29	327.0	328.3	327.0
392.9	7620	-22.6	-39.0	21	0.33	260	28	327.2	328.5	327.3

351.0	8434	-29.5	-42.5	27	0.26	265	32	328.6	329.6	328.7
332.0	8827	-32.3	-49.3	17	0.13	268	34	330.0	330.6	330.1
317.2	9144	-34.9	-51.0	18	0.11	270	35	330.8	331.2	330.8
300.0	9530	-38.1	-53.1	19	0.09	260	33	331.6	331.9	331.6
286.0	9858	-41.3	-53.3	26	0.09	263	33	331.5	331.9	331.6
276.0	10099	-42.9	-60.9	12	0.04	265	33	332.6	332.8	332.6
250.0	10760	-48.5	-60.5	24	0.04	270	34	333.8	334.0	333.8
240.0	11027	-51.1	-62.1	26	0.04	270	35	333.8	334.0	333.8
227.0	11388	-53.9	-60.9	42	0.05	270	35	334.9	335.1	334.9
200.0	12190	-60.1				270	37	337.4		337.4
196.0	12315	-61.1				268	37	337.8		337.8
190.3	12497	-62.0				265	37	339.2		339.2
185.0	12672	-62.9				260	42	340.5		340.5
182.0	12772	-61.3				264	47	344.7		344.7
181.1	12802	-60.5				265	48	346.4		346.4
177.0	12947	-56.9				262	46	354.7		354.7
169.0	13240	-55.1				256	43	362.4		362.4
150.0	14000	-54.7				240	35	375.6		375.6
143.0	14304	-56.5				244	35	377.6		377.6
129.0	14956	-57.5				252	33	387.1		387.1
123.3	15240	-56.4				255	33	394.2		394.2
123.0	15258	-56.3				255	33	394.6		394.6
118.0	15521	-56.9				251	31	398.2		398.2
114.0	15740	-55.9				247	29	404.0		404.0
108.0	16082	-57.5				242	27	407.3		407.3
105.0	16261	-56.1				240	25	413.3		413.3
100.0	16570	-57.1				235	23	417.1		417.1
94.1	16956	-57.7				236	22	423.3		423.3
89.3	17290	-54.5				237	21	436.0		436.0
84.8	17623	-54.1				238	20	443.3		443.3
78.5	18118	-56.1				240	19	449.1		449.1
76.4	18288	-56.1				240	18	452.4		452.4
71.0	18759	-56.3				240	16	461.7		461.7
70.0	18850	-55.9				240	16	464.4		464.4
68.0	19034	-55.3				253	15	469.6		469.6
61.8	19647	-53.3				297	12	487.0		487.0
58.7	19977	-54.1				321	10	492.4		492.4
50.0	21010	-51.9				35	4	520.7		520.7
47.6	21329	-51.3				118	13	529.5		529.5
47.5	21336	-51.3				120	13	529.6		529.6
45.4	21636	-52.7				91	10	533.4		533.4
39.4	22555	-52.2				0	0	556.6		556.6
31.5	24002	-51.5				70	9	595.3		595.3
30.0	24320	-49.1				85	11	610.2		610.2
29.7	24386	-48.7				105	10	613.0		613.0
29.7	24384	-48.7				105	10	612.9		612.9
27.1	24994	-47.2				85	11	633.4		633.4
25.9	25298	-46.5				65	12	643.9		643.9
25.5	25393	-46.3				78	14	647.2		647.2
24.7	25603	-46.6				105	19	652.2		652.2
23.6	25908	-47.0				90	12	659.6		659.6
23.4	25963	-47.1				85	14	660.9		660.9
22.5	26213	-45.2				60	22	673.5		673.5
22.2	26313	-44.5				70	24	678.6		678.6
21.5	26518	-44.9				90	29	683.6		683.6
20.0	27010	-45.7				95	21	695.5		695.5
18.8	27432	-46.6				105	19	705.5		705.5
18.6	27492	-46.7				104	19	707.0		707.0
17.1	28042	-43.8				90	17	733.0		733.0
16.7	28213	-42.9				93	17	741.3		741.3
14.9	28980	-43.9				103	16	762.5		762.5

14.9	28956	-43.9	105	16	761.9	761.9
14.3	29261	-43.1	80	18	774.2	774.2
13.7	29566	-42.3	100	21	787.1	787.1
12.5	30175	-40.6	65	26	813.4	813.4
12.4	30222	-40.5	67	27	815.5	815.5
11.9	30480	-40.4	75	32	824.8	824.8
10.0	31699	-39.9	90	37	869.7	869.7
10.0	31690	-39.9	90	37	869.5	869.5
9.5	32040	-40.7	87	30	879.3	879.3
9.1	32309	-39.6	85	25	893.4	893.4
8.9	32485	-38.9			902.8	902.8

Station information and sounding indices

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Station identifier: SLE
Station number: 72694
Observation time: 150725/0000
Station latitude: 44.91
Station longitude: -123.00
Station elevation: 61.0
Showalter index: 11.14
Lifted index: 7.23
LIFT computed using virtual temperature: 7.03
SWEAT index: 32.98
K index: 15.30
Cross totals index: 7.70
Vertical totals index: 23.70
Totals totals index: 31.40
Convective Available Potential Energy: 0.00
CAPE using virtual temperature: 0.00
Convective Inhibition: 0.00
CINS using virtual temperature: 0.00
Bulk Richardson Number: 0.00
Bulk Richardson Number using CAPV: 0.00
Temp [K] of the Lifted Condensation Level: 276.02
Pres [hPa] of the Lifted Condensation Level: 763.84
Mean mixed layer potential temperature: 298.12
Mean mixed layer mixing ratio: 6.21
1000 hPa to 500 hPa thickness: 5657.00
Precipitable water [mm] for entire sounding: 23.35

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

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Questions about the weather data provided by this site can be addressed to [Larry Oolman \(ldoolman@uwyo.edu\)](mailto:Larry.Oolman@uwyo.edu)
