

72572 SLC Salt Lake City Observations at 12Z 26 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	25									
925.0	728									
868.0	1289	22.2	5.2	33	6.43	135	7	307.5	327.5	308.7
850.0	1476	25.4	1.4	21	5.01	155	25	312.7	328.8	313.7
845.4	1524	26.1	0.3	18	4.64	165	29	314.0	329.0	314.9
845.0	1528	26.2	0.2	18	4.62	165	29	314.1	329.1	315.0
836.0	1622	25.8	-1.2	17	4.21	168	29	314.6	328.4	315.4
816.4	1829	24.1	-2.2	17	4.02	175	28	315.0	328.1	315.8
788.3	2134	21.6	-3.6	18	3.74	180	25	315.5	327.8	316.2
784.0	2181	21.2	-3.8	18	3.70	188	24	315.5	327.7	316.2
761.0	2438	20.1	-5.5	17	3.34	230	18	317.1	328.2	317.7
750.0	2563	19.6	-6.4	17	3.17	230	19	317.8	328.4	318.4
734.4	2743	18.1	-7.1	17	3.07	230	20	318.1	328.5	318.7
710.0	3031	15.8	-8.2	18	2.92	223	21	318.6	328.5	319.2
700.0	3151	14.6	-9.4	18	2.69	220	21	318.6	327.7	319.1
658.2	3658	9.8	-10.9	22	2.53	215	18	318.8	327.4	319.3
611.3	4267	3.9	-12.8	28	2.35	215	21	318.9	326.9	319.4
592.0	4531	1.4	-13.6	32	2.27	211	20	318.9	326.7	319.4
589.0	4572	1.0	-13.7	33	2.27	210	20	318.9	326.7	319.4
566.7	4877	-2.0	-14.3	39	2.25	215	20	318.9	326.6	319.4
529.0	5422	-7.3	-15.3	53	2.21	224	18	318.9	326.5	319.3
527.0	5451	-7.5	-16.5	49	2.01	224	18	319.0	325.9	319.4
524.6	5486	-7.2	-20.0	35	1.50	225	18	319.8	325.0	320.0
522.0	5525	-6.9	-23.9	24	1.07	226	19	320.6	324.4	320.8
507.0	5752	-7.7	-34.7	9	0.40	229	24	322.3	323.8	322.4
500.0	5860	-8.3	-37.3	8	0.31	230	26	322.9	324.1	322.9
484.9	6096	-9.8	-40.9	6	0.22	235	28	323.8	324.7	323.9
471.0	6321	-11.3	-44.3	5	0.16	239	27	324.7	325.3	324.7
466.0	6401	-11.9	-44.6	5	0.16	240	26	324.9	325.5	324.9
400.0	7550	-21.3	-49.3	6	0.11	230	25	327.2	327.7	327.2
396.1	7620	-21.9	-49.4	6	0.11	225	25	327.4	327.8	327.4
334.0	8850	-32.3	-51.3	13	0.10	217	30	329.5	329.9	329.5
329.0	8956	-32.9	-48.9	19	0.14	216	30	330.1	330.6	330.1
321.0	9129	-33.3	-52.3	13	0.09	215	31	331.9	332.2	331.9
320.3	9144	-33.4	-52.3	13	0.09	215	31	331.9	332.3	331.9
300.0	9600	-37.5	-53.5	17	0.09	215	36	332.4	332.8	332.4
295.0	9715	-38.5	-52.5	21	0.10	215	37	332.6	333.0	332.6
280.5	10058	-41.4	-56.3	18	0.07	215	40	333.2	333.5	333.3
279.0	10095	-41.7	-56.7	18	0.06	215	41	333.3	333.6	333.3
269.0	10341	-43.3	-60.3	14	0.04	217	49	334.5	334.7	334.5
251.0	10804	-46.1	-65.1	10	0.02	220	64	337.0	337.1	337.0
250.0	10830	-46.1	-65.1	10	0.02	220	65	337.4	337.5	337.4
237.0	11185	-46.1	-68.1	7	0.02	220	78	342.6	342.7	342.6
234.0	11269	-46.6	-68.6	6	0.02	220	81	343.1	343.2	343.1
233.7	11278	-46.6	-68.6	6	0.02	220	81	343.1	343.2	343.1
225.0	11529	-48.1	-70.1	6	0.01	221	81	344.6	344.7	344.6
218.0	11737	-48.5	-71.5	5	0.01	222	80	347.1	347.2	347.1
200.0	12300	-51.9	-73.9	5	0.01	225	79	350.4	350.5	350.4
185.0	12802	-55.2	-76.6	5	0.01	235	77	353.0	353.0	353.0
176.0	13122	-57.3	-78.3	5	0.00	235	67	354.6	354.6	354.6
169.0	13380	-57.5	-79.5	4	0.00	235	58	358.4	358.4	358.4
168.2	13411	-57.8	-79.6	5	0.00	235	57	358.5	358.5	358.5
162.0	13647	-59.7	-80.7	5	0.00	232	56	359.1	359.1	359.1

158.0	13804	-59.1	-81.1	4	0.00	230	55	362.6	362.6	362.6
150.0	14130	-61.1	-82.1	5	0.00	225	54	364.6	364.6	364.6
147.0	14255	-62.1	-83.1	4	0.00	226	57	365.0	365.0	365.0
143.0	14426	-61.5	-83.5	4	0.00	228	60	368.9	368.9	368.9
138.3	14630	-62.6	-84.2	4	0.00	230	65	370.6	370.6	370.6
132.0	14919	-64.1	-85.1	4	0.00	235	59	372.8	372.9	372.8
125.3	15240	-62.9	-84.8	4	0.00	245	48	380.6	380.6	380.6
124.0	15302	-62.7	-84.7	4	0.00	246	45	382.1	382.1	382.1
120.0	15505	-60.7	-83.7	3	0.00	249	35	389.4	389.4	389.4
116.0	15716	-60.5	-84.5	3	0.00	253	25	393.5	393.5	393.5
113.5	15850	-59.4	-84.6	2	0.00	255	19	398.0	398.0	398.0
112.0	15936	-58.7	-84.7	2	0.00	250	19	400.9	400.9	400.9
109.0	16106	-59.1	-85.1	2	0.00	239	19	403.2	403.2	403.2
100.0	16640	-63.7	-88.7	2	0.00	205	18	404.4	404.4	404.4
91.3	17192	-67.5	-90.5	3	0.00	245	22	407.5	407.5	407.5
89.1	17340	-65.5	-90.5	2	0.00	249	25	414.4	414.4	414.4
88.6	17374	-65.3	-90.5	2	0.00	250	26	415.4	415.4	415.4
80.3	17983	-62.2	-89.5	1	0.00	260	16	433.7	433.8	433.7
76.4	18288	-60.6	-89.1	1	0.00	240	6	443.2	443.2	443.2
74.7	18425	-59.9	-88.9	1	0.00	233	10	447.5	447.5	447.5
72.7	18593	-59.8	-89.2	1	0.00	225	15	451.1	451.2	451.1
70.0	18830	-59.7	-89.7	1	0.00	255	7	456.3	456.3	456.3
68.2	18992	-59.9	-89.9	1	0.00	257	11	459.3	459.3	459.3
66.0	19202	-57.6	-88.7	1	0.00	260	15	468.6	468.6	468.6
64.1	19382	-55.7	-87.7	1	0.00	245	7	476.7	476.7	476.7
62.9	19507	-55.7	-87.7	1	0.00	235	1	479.4	479.4	479.4
59.9	19812	-55.8	-87.8	1	0.00	280	10	485.9	485.9	485.9
57.1	20117	-55.8	-87.8	1	0.00	25	11	492.4	492.5	492.4
54.4	20422	-55.9	-87.9	1	0.00	90	14	499.1	499.2	499.1
54.3	20434	-55.9	-87.9	1	0.00	91	14	499.4	499.4	499.4
50.8	20859	-53.7	-86.7	1	0.00	127	13	514.1	514.2	514.1
50.0	20960	-54.3	-87.3	1	0.00	135	13	515.1	515.1	515.1
47.1	21336	-55.4	-87.5	1	0.00	75	10	521.1	521.2	521.1
46.9	21370	-55.5	-87.5	1	0.00	74	10	521.7	521.7	521.7
45.0	21641	-55.5	-87.5	1	0.00	70	14	528.1	528.2	528.1
42.9	21946	-55.4	-87.4	1	0.00	115	22	535.5	535.5	535.5
40.9	22250	-55.4	-87.4	1	0.00	115	16	542.9	543.0	542.9
39.0	22555	-55.4	-87.3	1	0.00	85	12	550.5	550.5	550.5
36.4	22989	-55.3	-87.3	1	0.01	78	6	561.4	561.5	561.4
35.4	23165	-54.3	-86.6	1	0.01	75	4	568.4	568.4	568.4
32.6	23700	-51.3	-84.3	1	0.01	84	18	590.0	590.1	590.0
32.2	23774	-51.4	-84.4	1	0.01	85	20	591.6	591.6	591.6
30.8	24079	-52.0	-85.0	1	0.01	85	24	598.0	598.1	598.0
30.5	24133	-52.1	-85.1	1	0.01	87	24	599.2	599.2	599.2
30.0	24240	-51.7	-84.7	1	0.01	90	23	603.1	603.2	603.1
29.3	24384	-51.4	-84.5	1	0.01	90	22	607.7	607.8	607.7
28.0	24689	-50.8	-84.2	1	0.01	70	26	617.6	617.7	617.6
26.7	24994	-50.2	-83.8	1	0.01	90	26	627.6	627.7	627.6
25.5	25298	-49.6	-83.4	1	0.01	70	24	637.7	637.9	637.7
24.5	25558	-49.1	-83.1	1	0.02	73	26	646.5	646.7	646.5
22.1	26232	-49.5	-83.5	1	0.02	82	32	664.7	664.8	664.7
21.4	26443	-47.3	-82.3	1	0.02	84	33	677.4	677.6	677.4
21.2	26518	-47.3	-82.3	1	0.02	85	34	679.7	679.9	679.7
20.0	26890	-47.1	-82.1	1	0.02	90	30	691.2	691.5	691.2
19.0	27229	-47.1	-82.1	1	0.03	93	31	701.4	701.7	701.5
18.4	27432	-46.4	-81.6	1	0.03	95	32	709.6	709.9	709.6
16.1	28346	-43.4	-79.2	1	0.05	105	24	747.8	748.3	747.8
15.4	28651	-42.4	-78.4	1	0.06	80	24	760.9	761.5	760.9
15.3	28678	-42.3	-78.3	1	0.06	80	24	762.1	762.7	762.1
13.4	29566	-42.7	-78.7	1	0.06	90	37	789.8	790.5	789.8
11.7	30480	-43.2	-79.2	1	0.07	95	32	819.4	820.2	819.4

11.3	30721	-43.3	-79.3	1	0.07	94	33	827.4	828.2	827.4
10.0	31550	-39.3	-76.3	1	0.12	90	37	871.7	873.2	871.8
9.7	31759	-38.1	-76.1	1	0.13	89	37	883.8	885.5	883.9
8.6	32614	-36.8	-74.8	1	0.18	85	37	920.8	923.1	920.9
8.5	32670	-36.7	-74.7	1	0.18			923.3	925.7	923.4
8.3	32836	-35.1	-73.1	1	0.23			935.9	939.0	936.0

Station information and sounding indices

Station identifier: SLC
Station number: 72572
Observation time: 150726/1200
Station latitude: 40.77
Station longitude: -111.95
Station elevation: 1289.0
Showalter index: 3.61
Lifted index: 3.89
LIFT computed using virtual temperature: 3.47
SWEAT index: 238.53
K index: 11.10
Cross totals index: 9.70
Vertical totals index: 33.70
Totals totals index: 43.40
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: 268.95
Pres [hPa] of the Lifted Condensation Level: 589.43
Mean mixed layer potential temperature: 312.82
Mean mixed layer mixing ratio: 4.85
1000 hPa to 500 hPa thickness: 5835.00
Precipitable water [mm] for entire sounding: 11.27

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)
