Salem's Observed Weather Type Frequency¹

Salem's hourly observations (1948-1995, pre-ASOS data) were categorized into groups of time. For example, at 10 am in January, snow was observed 4% of time, with rain 24% of the time, and fog 24% of the time. Overall, at 10 am in January, there was an obstruction to visibility 29% of the time.

FG FogSN Snow and/or SleetRA Rain and/or DrizzleTS Thunderstorms

VO Any obstruction to visibility, including rain, fog, snow, smoke, and blowing snow

Hour	VO	FG	RA	SN	TS	VO	FG	RA	SN	TS	VO	FG	RA	SN	TS
	January					February					March				
1 am	22	20	24	2	0	13	11	22	1	<1	4	4	23	1	0
4 am	24	22	26	3	0	17	15	22	1	0	7	6	24	<1	0
7 am	24	23	24	4	0	21	20	24	1	0	14	13	22	1	0
10 am	29	24	24	4	0	22	17	25	2	0	11	7	21	1	<1
1 pm	21	16	25	3	<1	11	7	23	1	<1	4	2	22	<1	0
4 pm	16	13	26	3	0	8	5	25	1	<1	3	2	22	<1	0
7 pm	19	15	26	2	0	9	6	24	1	<1	3	2	20	1	0
10 pm	21	17	25	3	0	10	7	22	1	0	2	2	21	1	0
	April					May					June				
1 am	1	1	16	0	0	1	1	11	0	0	1	<1	7	0	0
4 am	3	3	16	<1	0	2	2	12	0	0	2	1	8	0	0
7 am	9	7	17	<1	0	5	4	12	0	0	3	3	9	0	0
10 am	3	2	18	0	0	2	1	12	0	0	1	1	8	0	0
1 pm	1	1	18	0	<1	1	1	11	0	0	1	<1	9	0	<1
4 pm	1	1	16	0	0	1	<1	11	0	1	1	<1	9	0	<1
7 pm	1	1	14	0	<1	1	<1	10	0	<1	<1	<1	7	0	<1
10 pm	1	1	13	0	<1	1	1	10	0	0	<1	<1	5	0	0
	July				August					September					
			July				I	August				Se	ptemb	er	
1 am	<1	<1	July 2	0	<1	1	1	August	0	<1	5	Se 2	ptemb 6	er 0	<1
1 am 4 am	<1 1	<1 1		0	<1 <1	1 2				<1 <1	5 10		f		<1 0
			2				1	3	0			2	6	0	
4 am	1	1	2 3	0	<1	2	1 2	3 4	0	<1	10	2 8	6 7	0	0
4 am 7 am	1 2	1 1	3 3	0	<1 <1	7	1 2 5	3 4 5	0 0 0	<1 <1	10 25 17 9	2 8 18	6 7 8	0 0 0	0 <1
4 am 7 am 10 am	1 2 2	1 1 <1	2 3 3 3	0 0 0	<1 <1 <1	2 7 4	1 2 5 1	3 4 5 4	0 0 0 0	<1 <1 0	10 25 17	2 8 18 6	6 7 8 6	0 0 0 0	0 <1 0
4 am 7 am 10 am 1 pm	1 2 2 1 1 <1	1 1 <1 <1	2 3 3 3 3 2 2	0 0 0 0	<1 <1 <1 <1	2 7 4 2 2 2	1 2 5 1 <1	3 4 5 4 3 3 4	0 0 0 0 0 0	<1 <1 0 <1 <1	10 25 17 9 5	2 8 18 6	6 7 8 6 7	0 0 0 0	0 <1 0 <1
4 am 7 am 10 am 1 pm 4 pm	1 2 2 1 1	1 1 <1 <1 <1	2 3 3 3 3 2	0 0 0 0	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1	2 7 4 2 2	1 2 5 1 <1 <1	3 4 5 4 3 3	0 0 0 0 0	<1 <1 0 <1 <1 <1 <1 <1 <1	10 25 17 9 5	2 8 18 6 1	6 7 8 6 7	0 0 0 0 0	0 <1 0 <1 <1 <1 <1
4 am 7 am 10 am 1 pm 4 pm 7 pm	1 2 2 1 1 <1	1 1 1 <1 <1 <1 <1 <1	2 3 3 3 3 2 2	0 0 0 0 0 0	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	2 7 4 2 2 2	1 2 5 1 <1 <1 <1 <1	3 4 5 4 3 3 4	0 0 0 0 0 0 0	<1 <1 0 <1 <1 <1 <1 <1 <1 <1	10 25 17 9 5	2 8 18 6 1 1 1	6 7 8 6 7 7 6	0 0 0 0 0 0 0	0 <1 0 <1 <1 <1
4 am 7 am 10 am 1 pm 4 pm 7 pm	1 2 2 1 1 <1	1 1 1 <1 <1 <1 <1 <1	2 3 3 3 3 2 2 2	0 0 0 0 0 0	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	2 7 4 2 2 2 1	1 2 5 1 <1 <1 <1 <1	3 4 5 4 3 3 4 3	0 0 0 0 0 0 0	<1 <1 0 <1 <1 <1 <1 <1 <1 <1	10 25 17 9 5	2 8 18 6 1 1 1	6 7 8 6 7 7 6 6	0 0 0 0 0 0 0	0 <1 0 <1 <1 <1
4 am 7 am 10 am 1 pm 4 pm 7 pm 10 pm	1 2 2 1 1 <1 <1 <1 20 26	1 1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	2 3 3 3 2 2 2	0 0 0 0 0 0	<1 <1 <1 <1 <1 <1 <1	2 7 4 2 2 2 1 1	1 2 5 1 <1 <1 <1 <1 <1 <1 <1 <1	3 4 5 4 3 3 4 3	0 0 0 0 0 0 0 0	<1 <1 0 <1 <1 <1 <1 <1 <1 <1 <1	10 25 17 9 5 5 4	2 8 18 6 1 1 1	6 7 8 6 7 7 6 6	0 0 0 0 0 0 0 0	0 <1 0 <1 <1 <1 <1
4 am 7 am 10 am 1 pm 4 pm 7 pm 10 pm	1 2 2 1 1 <1 <1 <1 20 26 42	1 1 -(1 -(1 -(1 -(1 -(1) -(1) -(1)	2 3 3 3 2 2 2 2 October	0 0 0 0 0 0 0	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	2 7 4 2 2 2 1 2 5 26 32	1 2 5 1 <1 <1 <1 <1 <1 <2 2 2 2	3 4 5 4 3 3 4 3 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0 0 0 0 0 0 0 0	<1 <1 0 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	10 25 17 9 5 5 4 26 26 28	2 8 18 6 1 1 1 1 24	6 7 8 6 7 7 6 6 6	0 0 0 0 0 0 0 0	0 <1 0 <1 <1 <1 0
4 am 7 am 10 am 1 pm 4 pm 7 pm 10 pm 10 am	1 2 2 1 1 <1 <1 <1 20 26 42 35	1 1 1 <1 <1 <1 <1 <1 <1 15 23	2 3 3 3 2 2 2 2 2 0ctober 13	0 0 0 0 0 0 0	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	2 7 4 2 2 2 1 2 5 26 32 32	1 2 5 1 <1 <1 <1 <1 <1 <2 22 25	3 4 5 4 3 3 4 3 9 vemb 24 24	0 0 0 0 0 0 0 0 0	<1 <1 0 <1 <1 <1 <1 <1 <1 <1 <1 <1 0	10 25 17 9 5 5 4 26 26 28 31	2 8 18 6 1 1 1 1 24 25	6 7 8 6 7 7 6 6 6 ecembe	0 0 0 0 0 0 0 0 0	0 <1 0 <1 <1 <1 <1 <1 0 0 <1 <1 0 0 0 0
4 am 7 am 10 am 1 pm 4 pm 7 pm 10 pm 1 am 4 am 7 am	1 2 2 1 1 <1 <1 <1 20 26 42 35 20	1 1 1 <1 <1 <1 <1 <1 <1 15 23 37	2 3 3 3 3 2 2 2 2 2 2 13 13	0 0 0 0 0 0 0 0	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	2 7 4 2 2 2 1 25 26 32 32 23	1 2 5 1 <1 <1 <1 <1 <1 <2 2 2 25 30	3 4 5 4 3 3 4 3 2 24 24 25	0 0 0 0 0 0 0 0 0 er <1 <1 <1	<1 <1 0 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <0 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	10 25 17 9 5 5 4 26 26 28 31 24	2 8 18 6 1 1 1 1 24 25 27	6 7 8 6 7 7 6 6 6 26 27 27	0 0 0 0 0 0 0 0 0	0 <1 0 <1 <1 <1 <0 0 <1 <1 <0 0 <1 <1 <1 <1 <0 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1
4 am 7 am 10 am 1 pm 4 pm 7 pm 10 pm 1 am 4 am 7 am 10 am	1 2 2 1 1 <1 <1 20 26 42 35 20 15	1 1 1 <1 <1 <1 <1 <1 <1 0 15 23 37 22	2 3 3 3 2 2 2 2 2 0ctobel 13 13 13	0 0 0 0 0 0 0 0	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	2 7 4 2 2 2 1 25 26 32 32 32 23 20	1 2 5 1 <1 <1 <1 <1 <2 2 25 30 26	3 4 5 4 3 3 4 3 ovemb 24 24 25 21	0 0 0 0 0 0 0 0 0 er <1 <1 <1	<1	10 25 17 9 5 5 4 26 26 28 31 24 24	2 8 18 6 1 1 1 1 24 25 27 28	6 7 8 6 7 7 6 6 6 26 27 27 25	0 0 0 0 0 0 0 0 0	0 <1 0 <1 <1 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <1 <0 <1 <0 <1 <1 <0 <1 <0 <1 <0 <1 <0 <1 <0 <0 <1 <0 <0 <1 <0 <0 <0 <0 <0 <0 <0 <0 <0 <0 <0 <0 <0
4 am 7 am 10 am 1 pm 4 pm 7 pm 10 pm 1 am 4 am 7 am 10 am 1 pm	1 2 2 1 1 <1 <1 <1 20 26 42 35 20	1 1 1 <1 <1 <1 <1 <1 <1 	2 3 3 3 2 2 2 2 2 0ctober 13 13 13 15 13	0 0 0 0 0 0 0 0	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	2 7 4 2 2 2 1 25 26 32 32 23	1 2 5 1 <1 <1 <1 <1 <2 2 2 2 5 30 26 14	3 4 5 4 3 3 4 3 3 ovemb 24 24 25 21 22	0 0 0 0 0 0 0 0 0 er <1 <1 <1 <1 <1	<1	10 25 17 9 5 5 4 26 26 28 31 24	2 8 18 6 1 1 1 1 24 25 27 28 18	6 7 8 6 7 7 6 6 6 26 27 27 25 26	0 0 0 0 0 0 0 0 0 0 2 2 2 2 2	0 <1 0 <1 <1 0 0 <1 <1 0 0 <1 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 0 <1 0 0 <1 0 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0

¹Total percentages may not add to 100% due to rounding.

Also, not all weather listed, such as smoke and freezing rain/drizzle, hail, blowing snow/dust.