

Daily Frequency of Measurable Snow (snowfall ≥ 0.1 inch)

based on 102 years of data, 1892 to 1995

Example on How To Use Chart: for 15 Jan: Of all 15 Jan, snow fell on 73 of them, or 58% of all 22 Jan.

		Day of the Month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
OCT	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NOV	F	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	1	0	0	2	1	0	2	1	0	0	0	0	0	0	1	
	%	-	-	-	-	1	-	-	-	-	1	1	-	-	-	-	1	-	-	2	1		2	1							1	
DEC	F	1	1	1	1	4	3	3	1	1	1	3	2	2	0	4	2	1	4	2	6	1	1	1	2	3	0	3	6	4	4	6
	%	1	1	1	1	5	3	3	1	1	1	3	2	2	-	5	2	1	5	2	7	1	1	1	2	3	-	3	7	5	5	7
JAN	F	4	2	4	5	6	1	4	4	5	5	5	7	5	6	7	3	4	8	7	4	5	2	4	4	7	7	7	6	8	4	9
	%	4	2	4	5	6	1	4	4	5	5	5	7	5	6	7	3	4	8	7	4	5	2	4	4	7	7	7	6	8	4	9
FEB	F	6	2	4	5	2	2	3	1	1	2	4	5	3	4	4	0	3	3	2	2	1	2	2	1	1	1	2	3	0		
	%	6	2	4	5	2	2	3	1	1	2	4	5	3	4	4	-	3	3	2	2	1	2	2	1	1	1	2	3	-		
MAR	F	5	3	3	3	2	1	1	1	1	3	0	0	0	1	0	0	1	0	1	0	1	0	0	0	0	1	0	0	2	0	1
	%	6	3	3	3	2	1	1	1	1	3	-	-	-	1	-	-	1	-	1	-	1	-	-	-	-	1	-	-	2	-	1
APR	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

F is the number of times snow fell on that day.

% is percentage of that date' snowy days compared to all days of that particular date.

Progression of Salem's 30-Year Climatic Normals for Monthly and Annual Snowfall

period	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
1891-1920	2.2	0.9	0.1	0	0	0	0	0	0	0	0.1	1.3	4.6
1901-30	2.9	0.6	0.1	0	0	0	0	0	0	0	T	2.1	5.7
1911-40	2.7	1.4	0.2	0	0	0	0	0	0	0	0	1.9	6.4
1921-50	4.0	1.3	0.2	0	0	0	0	0	0	0	T	1.2	6.7
1931-60	3.7	1.4	0.9	0	0	0	0	0	0	0	0.2	0.4	6.6
1941-70	4.4	0.7	0.9	0	0	0	0	0	0	0	0.2	1.3	7.5
1951-80	3.0	0.9	0.9	0	0	0	0	0	0	0	0.5	1.9	7.2
1961-90	2.2	1.5	0.2	0	0	0	0	0	0	0	0.3	2.2	6.4
1971-2000	1.3	2.1	0.1	0	0	0	0	0	0	0	0.4	1.9	5.8
1981-2010 ¹	1.0	3.0	T	0	0	0	0	0	0	0	0.2	2.0	6.2
1981-2010 ¹ recalculated	2.8	1.3	T	0	0	0	0	0	0	0	0.2	1.3	5.9
Average ¹ 1892-1995	3.2	1.6	0.4	0	0	0	0	0	0	0	0.1	1.9	6.5"
1991-2020 ¹													

¹The 1981-2010 published normals did not have full years of snow, which is needed to calculate normals. So, to get a more representative normal, have used a period of record. For Salem, years 1892-1995 were chosen, years in which have full human augmented snow observations. The 1991-2020 normals not recomputed (incomplete data).

notes:

[this page left blank]