Christmas Snow in Portland

A Christmas with snow is a rare event in the Portland area. Between 1940 and 2023, only two years (2008 and 2017) stands out as a truly 'white, snowy' Christmas. To be a white Christmas, snow must be falling and accumulating, or snow still remains on the ground Christmas morning.

Following is a summary of snow data for both Christmas Eve and Christmas Day. Bold numbers in the box indicate the probability of receiving at least a trace of snow on Christmas Day.

	AIRPORT 1940-2023			f Snow on at Airport	1%
On 24 December			On 25 December		
year	snowfall amount	snow depth ³	year	snowfall amount	snow depth ³
2017	1.0 inches	0	2021	trace	none ³
2008	3.1 inches	10"	2017	trace	1"
2007	trace	none ³	2008	0.9 inch	10"
1998	2.0 inches	< 1"	2007	trace	none ³
1990	0.3 inch		1990	trace	none ³
1988	trace	none ³	1983	trace	none ³
1983	0.3 inch		1965	trace	none ³
1974	trace	none ³	1954	trace	none ³
1948	trace	none ³	1952	trace	none ³
		-	~1		
DOWNTOWN			Chance of Snow on $\sim 2\%$		
1871-2023			Christmas Downtown ~4 /0		
24 December					
				25 December	
year	snowfall amount	snow depth ³	year	25 December snowfall amount	snow depth ³
2017	snowfall amount 1.0 inches	0	2021	snowfall amount trace	none ³
2017 2008	snowfall amount 1.0 inches 2.0 inches	0 12"	2021 2017	snowfall amount trace 0.0	none ³ 1"
2017 2008 1998	snowfall amount 1.0 inches 2.0 inches 2.0 inches	0 12" none ³	2021 2017 2008	snowfall amount trace 0.0 0.3 inch	none ³ 1" 11"
2017 2008 1998 1990	snowfall amount 1.0 inches 2.0 inches 2.0 inches 0.6 inch	0 12" none ³ 1"	2021 2017 2008 2007	snowfall amount trace 0.0 0.3 inch trace	none ³ 1" 11" none ³
2017 2008 1998 1990 1983	snowfall amount 1.0 inches 2.0 inches 2.0 inches 0.6 inch 0.3 inch	0 12" none ³ 1" trace	2021 2017 2008 2007 1990	snowfall amount trace 0.0 0.3 inch trace trace	none ³ 1" 11" none ³ 1"
2017 2008 1998 1990 1983 1937	snowfall amount 1.0 inches 2.0 inches 2.0 inches 0.6 inch 0.3 inch 1.0 inch	0 12" none ³ 1" trace < 1"	2021 2017 2008 2007 1990 1954	snowfall amount trace 0.0 0.3 inch trace trace trace	none ³ 1" 11" none ³ 1" none ³
2017 2008 1998 1990 1983 1937 1926	snowfall amount 1.0 inches 2.0 inches 2.0 inches 0.6 inch 0.3 inch 1.0 inch trace	0 12" none ³ 1" trace < 1" none ³	2021 2017 2008 2007 1990 1954 1952	snowfall amount trace 0.0 0.3 inch trace trace trace trace trace	none ³ 1" 11" none ³ 1" none ³ none ³
2017 2008 1998 1990 1983 1937 1926 1916	snowfall amount 1.0 inches 2.0 inches 2.0 inches 0.6 inch 0.3 inch 1.0 inch trace trace	0 $12^{"}$ none ³ $1^{"}$ trace $<1^{"}$ none ³ none ³	2021 2017 2008 2007 1990 1954 1952 1937	snowfall amount trace 0.0 0.3 inch trace trace trace trace 1.3 inches	none3 1" 11" none3 1" none3 none3 none3 < 1"
2017 2008 1998 1990 1983 1937 1926 1916 1913	snowfall amount 1.0 inches 2.0 inches 2.0 inches 0.6 inch 0.3 inch 1.0 inch trace trace trace	0 $12"$ none ³ $1"$ trace $< 1"$ none ³ none ³ none ³	2021 2017 2008 2007 1990 1954 1952 1937 1930	snowfall amount trace 0.0 0.3 inch trace trace trace trace trace 1.3 inches trace	none ³ 1" 11" none ³ 1" none ³ < 1" none ³
2017 2008 1998 1990 1983 1937 1926 1916 1913 1912	snowfall amount 1.0 inches 2.0 inches 2.0 inches 0.6 inch 0.3 inch 1.0 inch trace trace trace trace trace	0 $12"$ none ³ $1"$ trace $<1"$ none ³ none ³ none ³ none ³ none ³	2021 2017 2008 2007 1990 1954 1952 1937 1930 1916	snowfall amount trace 0.0 0.3 inch trace trace trace trace 1.3 inches trace trace	none ³ 1" 11" none ³ 1" none ³ < 1" none ³ < 1" none ³ none ³ < 1"
2017 2008 1998 1990 1983 1937 1926 1916 1913 1912 1909	snowfall amount 1.0 inches 2.0 inches 2.0 inches 0.6 inch 0.3 inch 1.0 inch trace trace trace trace trace trace	0 $12"$ none ³ $1"$ trace $< 1"$ none ³	2021 2017 2008 2007 1990 1954 1952 1937 1930 1916 1914, 1913	snowfall amount trace 0.0 0.3 inch trace trace trace 1.3 inches trace trace trace	none3 1" 11" none3 1" none3 none3 <1" none3 nono4 nono4 nono4 nono4 none4 none
2017 2008 1998 1990 1983 1937 1926 1916 1913 1912 1909 1892	snowfall amount1.0 inches2.0 inches2.0 inches0.6 inch0.3 inch1.0 inchtrace1.0 inch	0 12" none ³ 1" trace < 1" none ³ none ³ none ³ none ³ none ³ none ³ none ³	2021 2017 2008 2007 1990 1954 1952 1937 1930 1916 1914, 1913 1909	snowfall amounttrace0.00.3 inchtracetracetracetracetracetracetracetrace0.2 inch	none ³ 1" 11" none ³ 1" none ³ <1" none ³ none ³ none ³ none ³ none ³
2017 2008 1998 1990 1983 1937 1926 1916 1913 1912 1909 1892 1889	snowfall amount 1.0 inches 2.0 inches 2.0 inches 0.6 inch 0.3 inch 1.0 inch trace trace trace trace trace 1.0 inch 0.4 inch	$ \begin{array}{c} 0 \\ 12^{"} \\ none^{3} \\ 1^{"} \\ trace \\ < 1^{"} \\ none^{3} \\ none^{3}$	2021 2017 2008 2007 1990 1954 1952 1937 1930 1916 1914, 1913 1909 1904	snowfall amounttrace0.00.3 inchtracetracetracetracetracetrace0.2 inchtrace	none ³ 1" 11" none ³ 1" none ³ < 1" none ³ none ³ non ⁴ non ⁴
2017 2008 1998 1990 1983 1937 1926 1916 1913 1912 1909 1892	snowfall amount1.0 inches2.0 inches2.0 inches0.6 inch0.3 inch1.0 inchtrace1.0 inch	0 12" none ³ 1" trace < 1" none ³ none ³ none ³ none ³ none ³ none ³ none ³	2021 2017 2008 2007 1990 1954 1952 1937 1930 1916 1914, 1913 1909	snowfall amounttrace0.00.3 inchtracetracetracetracetracetracetracetrace0.2 inch	none ³ 1" 11" none ³ 1" none ³ <1" none ³ none ³ none ³ none ³ none ³

³Snow fell, then either melted immediately, or later that day.