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			Chance of Snow on Christmas 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]

DOWNTOWN 1871-2023			Chance of Snow on Christmas Downtown		~2 %
24 December			**25 December**		
year	snowfall amount	snow depth[3]	year	snowfall amount	snow depth[3]
2017	1.0 inches	0	**2021**	trace	none[3]
2008	2.0 inches	12"	**2017**	0.0	1"
1998	2.0 inches	none[3]	**2008**	0.3 inch	11"
1990	0.6 inch	1"	**2007**	trace	none[3]
1983	0.3 inch	trace	**1990**	trace	1"
1937	1.0 inch	< 1"	**1954**	trace	none[3]
1926	trace	none[3]	**1952**	trace	none[3]
1916	trace	none[3]	**1937**	1.3 inches	< 1"
1913	trace	none[3]	**1930**	trace	none[3]
1912	trace	none[3]	**1916**	trace	none[3]
1909	trace	none[3]	**1914, 1913**	trace	none[3]
1892	1.0 inch	*n/a*	**1909**	0.2 inch	trace
1889	0.4 inch	*n/a*	**1904**	trace	none[3]
1884	1.8 inches	*n/a*	**1891**	0.7 inch	*n/a*
			1884	0.9 inch	*n/a*

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