

ASTORIA: Monthly & Annual Average MINIMUM Temperatures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
<i>1887</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	47.4	51.0	53.5	54.8	52.4	49.3	41.7	40.2	<i>M</i>
<i>1888</i>	30.2	39.2	38.9	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	56.6	56.2	51.1	42.0	42.1	<i>M</i>
<i>1889</i>	37.6	38.9	45.3	45.6	49.9	52.0	55.5	52.8	52.1	52.1	43.4	36.5	47.8
<i>1890</i>	30.9	35.1	38.5	40.9	49.3	50.6	53.5	54.8	50.1	45.5	43.4	40.7	44.5
<i>1891</i>	40.8	33.7	38.0	44.0	48.5	51.1	55.2	58.0	53.0	51.6	44.9	38.5	46.5
<i>1892</i>	37.2	38.9	42.9	41.5	47.4	50.8	54.2	55.8	53.0	49.0	43.7	37.4	46.0
<i>1893</i>	33.9	35.3	39.5	40.9	46.9	48.9	53.5	54.7	51.6	45.2	40.4	41.5	44.4
<i>1894</i>	37.4	35.4	37.8	42.2	46.6	50.9	53.6	58.0	52.9	47.0	44.8	36.4	45.3
<i>1895</i>	35.5	39.8	39.2	42.2	47.9	50.6	54.3	53.1	50.1	49.5	41.0	38.6	45.2
<i>1896</i>	38.9	41.4	37.8	40.3	44.9	50.4	56.6	57.6	51.9	48.5	37.1	41.7	45.6
<i>1897</i>	37.6	38.2	36.3	44.4	49.6	54.5	53.8	55.5	51.5	48.7	41.4	41.1	46.1
<i>1898</i>	36.7	40.6	38.4	43.0	46.8	51.8	53.8	57.1	53.3	47.9	41.9	37.1	45.7
<i>1899</i>	39.1	35.4	38.2	41.9	44.9	48.2	53.9	54.5	53.0	47.5	48.8	41.2	45.6
<i>1900</i>	39.0	37.4	42.8	42.7	47.5	52.0	53.2	54.4	52.0	46.9	41.4	41.2	45.9
<i>1901</i>	35.8	36.4	39.4	39.7	45.8	48.2	50.5	53.2	50.2	51.5	44.3	37.9	44.4
<i>1902</i>	35.2	41.0	38.9	40.9	46.9	49.6	52.7	52.6	49.6	49.2	42.4	38.0	44.8
<i>1903</i>	39.4	34.6	36.9	40.5	45.2	51.8	54.1	54.7	51.1	48.2	40.8	37.4	44.6
<i>1904</i>	36.9	34.8	36.2	44.8	46.7	49.9	54.0	53.9	51.3	50.3	47.4	37.7	45.3
<i>1905</i>	36.7	37.8	43.6	44.8	45.2	52.2	54.6	54.2	52.9	45.1	39.8	37.2	45.3
<i>1906</i>	37.9	41.1	38.3	43.7	48.5	51.3	56.3	54.3	52.1	50.2	42.8	39.9	46.4
<i>1907</i>	32.9	41.2	38.7	44.7	50.3	52.8	56.0	55.8	54.7	50.9	44.6	40.2	46.9
<i>1908</i>	39.4	37.1	39.7	41.5	44.8	49.8	54.8	52.6	49.2	45.9	45.6	36.2	44.7
<i>1909</i>	31.7	38.1	39.6	41.0	43.0	48.6	52.0	53.0	<i>M</i>	46.8	<i>M</i>	<i>M</i>	43.8
<i>1910</i>	36.9	35.5	41.9	42.5	47.8	49.2	53.2	52.9	51.1	49.2	42.4	39.8	45.2
<i>1911</i>	34.5	34.3	39.5	38.8	44.4	48.5	53.6	53.8	51.1	47.2	42.1	38.5	43.9
<i>1912</i>	38.8	40.5	37.6	40.6	47.9	50.7	53.9	54.5	51.7	45.4	42.5	37.9	45.2
<i>1913</i>	33.7	34.9	37.1	41.4	46.7	51.1	53.8	55.2	51.5	46.5	42.2	38.6	44.4
<i>1914</i>	40.7	39.0	42.4	43.4	48.0	49.9	53.0	53.6	51.6	50.0	43.4	34.5	45.8
<i>1915</i>	36.6	39.4	44.4	44.9	47.9	52.3	55.5	56.4	52.6	49.2	40.4	38.7	46.5
<i>1916</i>	28.0	38.2	39.5	42.0	43.6	49.6	54.6	55.9	52.9	44.3	37.2	34.6	43.4
<i>1917</i>	34.1	34.9	35.2	40.5	45.1	48.8	52.8	53.5	53.7	48.6	44.7	<i>M</i>	44.7
<i>1918</i>	40.1	37.7	39.7	42.8	46.7	52.1	55.2	56.3	54.5	50.6	43.2	39.3	46.5
<i>1919</i>	39.1	38.9	41.8	44.4	47.5	57.1	55.5	54.1	52.9	45.0	40.9	33.5	45.9
<i>1920</i>	35.5	36.2	39.0	39.3	43.4	48.8	54.5	54.9	52.9	46.1	41.3	40.4	44.4
<i>1921</i>	36.8	39.4	39.8	41.4	45.7	52.6	53.2	54.1	50.1	49.1	43.0	36.1	45.1
<i>1922</i>	32.2	33.9	35.9	40.5	45.1	51.3	53.3	54.9	53.7	50.1	40.1	39.1	44.2
<i>1923</i>	<i>M</i>	31.6	37.5	42.3	45.6	48.6	53.6	54.3	51.4	47.7	43.9	37.8	44.9
<i>1924</i>	36.0	40.7	36.1	39.7	45.3	48.2	51.6	53.2	48.5	45.9	39.5	32.1	43.1
<i>1925</i>	38.3	39.5	37.0	41.9	45.9	48.4	51.9	51.6	50.2	45.4	40.5	40.6	44.3
<i>1926</i>	36.7	41.3	41.3	45.0	46.0	50.3	50.0	52.9	47.7	47.6	44.1	36.5	45.0
<i>1927</i>	36.3	37.0	36.2	39.2	43.5	50.6	53.0	53.4	51.9	46.7	42.8	33.6	43.7
<i>1928</i>	35.3	37.8	42.1	41.1	45.8	51.1	53.8	53.0	49.9	46.9	42.0	36.7	44.6
<i>1929</i>	32.2	32.0	40.1	40.3	46.0	51.0	53.2	54.1	50.8	48.6	39.0	39.4	43.9
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual

ASTORIA: Monthly & Annual Average MINIMUM Temperatures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1930	26.9	38.6	39.9	45.5	45.5	49.8	48.0	54.8	53.4	45.8	41.2	37.7	43.9
1931	39.8	39.1	41.5	43.7	49.0	52.0	55.0	53.1	51.2	47.0	39.0	36.7	45.6
1932	35.5	35.8	41.5	42.4	46.4	52.3	52.1	55.6	50.7	48.8	43.8	34.4	44.9
1933	35.5	33.1	38.7	40.0	43.4	47.7	51.5	54.2	49.2	46.5	41.9	41.9	43.6
1934	41.6	41.1	43.4	46.3	49.0	50.1	53.8	54.9	52.7	47.7	44.6	39.3	47.0
1935	35.7	39.5	35.6	41.0	45.5	51.8	53.1	53.5	51.3	45.4	37.6	37.8	44.0
1936	37.9	30.9	36.0	44.5	47.7	52.5	53.3	56.2	48.5	46.6	38.6	38.6	44.3
1937	27.2	35.0	41.2	40.7	45.4	51.4	52.7	52.3	50.4	48.8	42.2	38.1	43.8
1938	36.7	35.1	36.2	41.1	44.3	47.8	51.1	52.1	52.2	46.3	38.6	36.3	43.2
1939	37.5	33.1	36.4	41.1	43.6	47.4	51.6	52.2	52.1	43.8	40.5	41.5	43.4
1940	37.5	40.7	41.0	43.2	46.1	49.4	51.4	54.2	52.7	51.1	38.7	40.1	45.5
1941	39.5	40.6	42.6	41.7	46.6	48.7	55.0	53.0	47.5	46.3	42.4	37.2	45.1
1942	34.6	37.5	36.0	41.5	44.3	48.1	54.0	52.5	49.1	44.3	37.4	37.3	43.1
1943	29.2	34.6	34.6	40.3	41.0	M	M	M	M	M	41.2	36.4	36.8
1944	35.7	35.8	37.5	41.6	45.7	49.4	53.2	53.5	51.8	50.1	40.8	36.1	44.3
1945	38.1	37.8	36.7	40.3	46.3	47.4	51.4	51.8	49.4	46.0	40.5	38.7	43.7
1946	38.0	37.8	39.1	40.8	47.5	49.5	52.8	52.3	51.0	43.4	37.9	37.5	44.0
1947	32.6	39.3	40.9	43.6	46.6	49.4	52.4	52.2	50.5	46.3	40.3	38.4	44.4
1948	34.2	33.1	35.7	37.4	43.9	49.9	50.6	51.6	48.4	43.2	36.3	31.1	41.3
1949	24.9	31.2	37.1	39.6	42.9	44.9	46.8	50.1	47.5	39.0	41.3	36.2	40.1
1950	26.6	35.5	38.4	38.7	43.1	49.4	51.6	54.0	50.2	44.5	40.8	42.5	42.9
1951	35.5	36.7	34.3	42.3	44.5	50.1	53.5	52.0	50.4	46.5	41.1	34.7	43.5
1952	32.9	35.9	36.6	41.2	44.7	48.8	52.2	52.9	51.2	49.9	39.2	37.7	43.6
1953	44.6	36.6	37.8	40.5	44.4	48.2	52.5	54.0	50.3	45.8	43.2	39.7	44.8
1954	34.9	37.6	33.4	39.3	43.9	47.4	50.6	53.2	50.4	43.0	44.4	37.3	42.9
1955	35.3	34.6	35.0	35.8	41.8	48.5	51.8	50.0	47.2	45.2	37.1	35.5	41.5
1956	36.7	33.2	36.2	40.1	45.8	49.0	53.2	52.7	47.9	42.7	36.1	36.3	42.5
1957	29.3	35.2	39.0	41.4	46.7	49.9	50.3	51.7	51.4	44.7	37.2	38.9	43.0
1958	40.0	43.0	36.2	40.2	47.4	54.3	54.7	52.8	49.2	45.7	39.4	42.0	45.4
1959	38.6	37.2	37.8	42.0	43.5	49.9	51.9	50.2	48.7	45.6	38.7	35.0	43.3
1960	34.7	36.6	37.7	41.6	43.6	48.5	50.3	53.2	46.9	45.8	40.2	36.7	43.0
1961	40.8	41.3	38.8	40.7	45.2	50.1	54.4	53.5	47.2	42.3	35.4	37.0	43.9
1962	33.0	36.9	35.6	41.0	43.9	47.6	51.4	52.6	50.0	45.6	42.4	37.6	43.1
1963	30.1	42.2	37.5	41.1	44.5	49.1	53.1	53.8	51.7	47.5	41.7	37.5	44.2
1964	38.1	33.7	37.2	38.3	41.6	48.4	52.0	51.1	49.0	44.4	38.0	34.6	42.2
1965	36.6	39.0	36.3	41.7	44.1	48.7	52.3	53.7	47.9	46.5	43.1	34.6	43.7
1966	36.6	36.0	35.9	41.3	41.6	47.2	52.0	49.9	49.6	43.2	41.2	40.9	42.9
1967	38.7	36.0	35.2	35.1	43.4	51.2	52.2	52.5	50.0	45.1	41.5	36.6	43.1
1968	36.3	39.1	39.8	38.2	44.5	48.3	52.8	51.9	49.6	42.8	40.7	34.0	43.2
1969	28.8	33.1	35.1	39.5	44.4	53.4	51.3	48.9	49.5	42.3	38.7	38.3	41.9
1970	36.2	37.2	35.7	37.8	42.4	47.9	51.1	51.0	46.2	42.7	40.5	35.2	42.0
1971	36.1	35.6	34.8	38.2	43.9	47.7	52.7	53.6	47.9	43.1	41.1	36.1	42.6
1972	35.1	37.1	41.5	38.7	47.0	51.2	52.8	53.0	47.8	42.6	40.7	33.3	43.4
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual

ASTORIA: Monthly & Annual Average MINIMUM Temperatures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1973	34.7	35.5	36.8	40.3	44.4	49.5	50.8	49.7	47.9	43.0	38.2	39.9	42.6
1974	33.2	36.2	38.1	40.8	43.5	49.1	51.0	55.6	50.5	41.8	41.8	40.6	43.5
1975	38.1	36.9	36.6	36.8	45.2	49.0	53.3	53.4	48.4	45.3	40.8	39.0	43.6
1976	38.0	35.9	36.7	40.4	45.0	48.5	53.1	55.3	52.4	44.5	39.7	37.0	43.9
1977	33.0	40.2	38.3	40.8	42.2	49.1	50.2	54.9	48.2	41.9	38.1	39.2	43.0
1978	39.0	40.3	38.0	41.1	43.5	51.0	53.4	54.1	50.6	44.0	33.7	31.3	43.3
1979	28.7	35.9	38.9	41.9	44.9	48.3	54.2	54.4	51.2	47.4	39.4	41.5	43.9
1980	31.6	40.2	38.4	40.1	45.5	48.6	54.2	52.9	51.1	44.9	43.3	42.0	44.4
1981	41.1	39.0	39.4	42.1	46.4	51.0	53.6	54.0	50.1	43.6	41.5	38.9	45.1
1982	36.4	37.8	37.5	38.5	44.3	51.2	52.1	52.9	50.6	47.3	39.3	37.4	43.8
1983	41.5	44.3	43.6	40.2	48.2	52.4	54.3	53.6	46.4	40.4	43.0	31.9	45.0
1984	37.4	38.4	41.3	39.0	43.5	50.0	51.4	50.1	49.2	43.0	40.3	33.4	43.1
1985	31.0	33.1	34.7	41.1	44.4	48.3	52.3	50.5	47.4	42.6	33.1	30.8	40.8
1986	39.6	37.6	41.2	39.1	44.9	50.0	51.9	53.6	47.2	47.3	41.6	38.5	44.4
1987	37.5	39.0	39.8	42.0	47.4	49.2	52.5	51.9	49.0	42.9	42.3	33.7	43.9
1988	35.5	38.0	36.7	41.1	44.4	46.8	51.2	50.5	46.8	48.3	41.3	37.0	43.1
1989	36.5	29.8	38.7	41.7	44.7	51.3	52.6	53.3	48.3	44.3	43.3	37.5	43.5
1990	39.0	36.1	39.9	42.9	45.7	50.5	54.5	55.1	52.1	42.5	41.2	31.2	44.2
1991	35.0	40.4	35.8	39.7	45.4	48.4	52.0	53.8	49.9	40.9	41.3	39.5	43.5
1992	39.6	40.6	39.9	43.2	44.9	51.4	53.3	51.6	47.0	44.3	39.5	35.5	44.2
1993	33.0	33.3	40.3	43.1	49.0	51.2	53.6	53.1	47.9	46.6	34.0	36.5	43.5
1994	38.9	35.6	39.8	43.9	45.7	49.3	53.1	53.7	51.8	41.3	34.8	36.7	43.7
1995	41.1	39.2	37.8	40.8	46.9	49.4	54.7	51.7	53.9	45.2	44.6	39.8	45.4
1996	37.1	36.1	38.8	44.0	44.4	49.1	52.4	51.9	48.6	43.3	39.2	37.6	43.5
1997	37.8	36.7	39.6	41.5	48.2	51.2	53.8	55.8	53.8	45.7	43.3	37.3	45.4
1998	40.8	40.9	39.6	39.6	46.6	51.4	54.4	52.9	49.4	44.1	41.9	37.0	44.9
1999	37.3	38.9	37.6	38.9	44.9	50.5	52.3	55.0	47.9	43.4	48.6	42.1	44.8
2000	37.5	39.4	37.6	43.3	47.7	50.7	55.6	54.1	50.6	47.9	39.1	39.3	45.2
2001	37.5	34.8	38.7	39.9	44.8	47.7	52.4	54.1	49.5	43.8	42.2	38.7	43.7
2002	38.1	37.2	37.8	41.4	44.1	51.0	54.2	51.9	49.2	43.5	40.0	40.1	44.0
2003	43.1	36.6	41.9	42.0	44.4	50.7	53.9	53.1	49.6	49.0	38.6	38.7	45.1
2004	38.3	38.9	40.9	40.6	48.0	52.1	55.8	57.5	50.2	46.3	38.4	39.2	45.5
2005	38.7	35.1	40.0	43.5	49.6	51.6	54.4	55.1	46.2	46.5	37.8	37.8	44.7
2006	40.8	35.1	37.8	41.1	44.6	51.8	53.2	52.0	49.4	42.1	40.7	36.4	43.8
2007	33.5	38.3	40.3	40.7	45.0	49.2	55.3	53.7	49.7	43.1	37.6	36.8	43.6
2008	34.6	36.8	36.5	37.8	47.2	48.0	51.3	53.9	50.0	44.3	43.6	34.7	43.2
2009	36.3	33.6	36.9	39.9	44.9	52.5	54.7	54.8	50.9	45.9	42.8	33.1	43.9
2010	42.9	40.3	40.5	42.7	44.3	49.2	53.4	53.6	52.7	44.9	39.1	39.9	45.3
2011	36.8	34.4	39.5	38.2	43.2	50.5	52.2	53.8	51.0	46.3	36.7	33.0	43.0
2012	35.5	38.1	37.8	41.8	43.9	48.5	53.4	53.2	48.3	44.6	42.0	39.2	43.9
2013	34.8	39.2	39.8	42.0	46.6	51.9	54.5	54.4	53.3	41.5	40.0	31.6	44.1
2014	38.2	36.5	41.5	42.5	48.7	52.6	54.3	55.9	52.8	50.9	40.0	41.7	46.3
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual

ASTORIA: Monthly & Annual Average MINIMUM Temperatures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2015	39.2	42.5	41.0	40.3	48.5	51.7	56.0	54.5	50.2	50.7	39.1	41.0	46.2
2016	40.2	42.7	41.6	44.9	47.6	51.7	56.8	55.7	51.9	50.2	47.6	35.0	47.2
2017	34.0	36.1	41.3	42.5	46.8	51.3	52.2	53.6	51.2	42.2	41.8	36.1	44.1
2018	42.3	36.3	37.0	42.9	49.4	50.9	54.2	54.9	48.8	45.1	41.7	38.7	45.2
2019	38.5	32.7	34.4	43.9	49.3	50.8	55.5	55.6	52.6	40.9	38.3	38.2	44.2
2020	41.2	35.6	35.8	39.9	47.7	50.5	53.0	53.1	54.5	45.3	38.6	38.6	44.5
2021	37.1	37.5	35.6	40.0	46.3	52.6	54.4	53.9	49.7	45.6	43.2	35.9	44.3
2022	37.4	37.5	39.1	39.4	44.9	51.8	55.5	56.2	52.1	47.4	35.4	36.6	44.4
2023	38.1	34.6	36.1	41.2	49.5	50.1	53.7	56.8	49.9	47.6	39.2	41.8	44.9
2024	40.3												
2025													
2026													
2027													
2028													
2029													
normal	38.1	37.4	39.0	41.5	46.3	50.6	53.9	53.9	50.5	44.9	40.2	37.6	44.5

Normal are 1991-2020 normals

Progression of Astoria's 30-Year Climatic Normals for MAXIMUM Temperatures

30-year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
1891-1920	36.6	37.6	39.1	42.5	46.6	50.7	54.1	54.8	52.1	48.1	42.5	38.4	45.2
1901-1930	35.5	37.5	39.0	42.0	46.0	50.5	53.4	54.1	51.7	47.8	42.1	37.5	44.9
1911-1940	35.6	37.4	38.4	42.0	45.9	50.4	53.0	54.2	51.6	47.3	41.2	37.5	44.7
1921-1950	34.8	36.9	38.5	41.5	45.4	49.7	52.2	53.3	50.6	46.5	40.9	37.5	43.8
1931-1960	34.8	35.7	37.1	41.0	44.9	49.5	52.5	52.7	48.8	44.7	39.1	36.8	43.1
1941-1970	34.6	36.7	36.7	40.0	44.3	49.1	52.2	52.2	49.1	44.5	39.6	36.9	43.0
1951-1980	35.4	37.1	36.9	39.7	44.1	49.2	52.2	52.6	49.2	44.3	39.7	37.3	43.1
1961-1990	35.9	37.3	38.1	40.3	44.8	49.5	52.4	52.6	49.0	44.0	40.2	36.6	43.4
1971-2000	36.7	37.6	38.6	40.8	45.4	49.8	52.9	53.2	49.5	44.1	40.1	37.1	43.8
1981-2010	37.7	37.2	38.9	41.0	45.6	50.0	53.1	53.1	49.4	44.2	40.1	36.6	43.9
1991-2020	38.1	37.4	39.0	41.5	46.3	50.6	53.9	53.9	50.5	44.9	40.2	37.6	44.5
2001-2030													

¹Normals 1971-2000 recalculated using same methodology as that of the 1981-2010. There may or may not be much difference from the original 1971-2000 normals data set, but this process does yield more realistic normal for that period. Same process is used for subsequent normals (1981-2010 and 1991-2020).