

Astoria: Spring & Autumn FREEZE Data

table format: date of occurrence (*month.day*) that day's minimum temperature and Julian (*J*) day

	Last Freeze of Spring			First Freeze of Autumn			Freeze Free Period		Last Freeze of Spring			First Freeze of Autumn			Freeze Free Period	
	Date	T	J	Date	T	J			Date	T	J	Date	T	J		
1890	4.13		103	none		-	-		1930	3.14	31	73	11.16	29	320	246
1891	3.11		70	12.24		358	287		1931	3.06	32	65	11.21	32	325	259
1892	2.06		37	12.20	27	355	317		1932	2.18	28	49	12.06	32	341	291
1893	2.14	30	45	11.01	31	305	259		1933	3.09	31	68	none	-	-	-
1894	3.04	31	63	11.16	32	320	256		1934	1.15	32	15	12.28	32	362	346
1895	3.14	27	73	12.17	31	351	277		1935	3.27	32	86	10.30	28	303	216
1896	4.03	32	94	11.25	30	330	235		1936	3.31	29	91	11.02	30	307	215
1897	3.30	32	89	none	-	-	-		1937	2.19	32	50	12.08	31	342	291
1898	3.22	30	81	12.11	32	345	263		1938	3.31	31	90	11.10	31	314	223
1899	3.25	32	84	none	-	-	-		1939	4.04	31	94	10.25	31	298	203
1900	2.17	32	48	11.19	30	323	274		1940	3.11	31	71	11.09	32	314	242
1901	2.21	30	52	12.12	30	346	293		1941	2.22	32	53	11.18	32	322	268
1902	2.01	32	32	none	-	-	-		1942	3.26	32	85	11.20	29	324	238
1903	3.13	32	72	12.09	32	343	270		1943	4.26	30	116	12.13	31	347	230
1904	3.26	32	86	none	-	-	-		1944	3.14	32	74	12.17	32	352	277
1905	2.13	29	44	11.27	31	351	286		1945	4.01	32	91	11.07	32	311	219
1906	3.17	28	76	11.18	29	322	245		1946	2.11	30	42	11.16	32	320	277
1907	1.26	32	26	none	-	-	-		1947	2.28	30	59	11.22	32	326	266
1908	3.03	32	63	12.16	31	341	277		1948	4.27	30	118	11.06	30	311	192
1909	2.21	32	52	M	-	-	M		1949	4.06	32	96	10.18	31	291	194
1910	2.23	30	54	none	-	-	-		1950	3.11	30	89	11.13	32	317	227
1911	4.13	31	103	11.11	25	315	211		1951	3.11	32	70	12.22	31	356	285
1912	3.20	32	80	12.07	32	342	261		1952	3.20	32	80	11.23	31	328	247
1913	3.25	30	84	none	-	-	-		1953	4.24	32	114	none	-	-	-
1914	2.06	31	37	12.11	32	345	307		1954	5.01	30	121	10.24	32	297	175
1915	2.14	31	45	11.27	32	331	285		1955	4.25	29	115	11.01	32	305	189
1916	2.05	30	37	11.12	30	317	279		1956	4.17	32	108	10.28	30	302	193
1917	3.17	32	76	M	-	-	M		1957	4.08	32	98	11.03	30	307	208
1918	3.07	32	66	12.25	32	359	292		1958	3.16	30	89	11.15	28	319	229
1919	1.06	32	6	10.25	32	298	291		1959	4.03	31	93	11.06	31	310	216
1920	3.30	31	90	10.19	32	293	202		1960	4.22	32	113	11.26	30	331	217
1921	3.27	32	86	12.17	28	351	264		1961	4.07	32	97	10.30	32	303	205
1922	3.26	31	85	11.29	32	333	247		1962	4.11	32	101	11.23	31	327	225
1923	3.15	31	74	12.01	30	335	260		1963	4.02	31	91	11.19	30	323	231
1924	4.15	31	106	11.12	30	317	210		1964	4.18	31	109	10.26	32	300	190
1925	3.18	32	77	11.04	31	308	230		1965	5.06	31	126	11.23	31	327	200
1926	1.13	30	13	12.13	26	347	333		1966	4.19	30	109	11.08	30	312	202
1927	4.18	26	108	11.26	32	330	221		1967	4.19	30	109	11.20	31	324	214
1928	2.15	31	47	12.14	32	349	301		1968	4.17	31	108	11.14	31	319	210
1929	4.05	32	95	12.12	31	346	250		1969	4.03	32	93	11.27	32	331	237

Astoria: Spring & Autumn FREEZE Data

	Last Freeze of Spring			First Freeze of Autumn			Freeze Free Period		Last Freeze of Spring			First Freeze of Autumn			Freeze Free Period
	Date	T	J	Date	T	J			Date	T	J	Date	T	J	
1970	4.16	31	106	10.27	32	300	193	2000	3.15	32	75	11.11	29	316	240
1971	4.12	32	102	10.27	29	300	197	2001	4.14	31	104	none	-	-	-
1972	3.07	29	67	10.29	31	303	235	2002	4.24	32	114	10.30	29	303	188
1973	4.02	32	92	11.01	29	305	212	2003	3.24	30	83	10.31	31	304	220
1974	4.13	30	102	12.22	31	356	253	2004	4.01	32	92	11.04	32	308	215
1975	4.29	31	119	11.17	32	321	201	2005	3.18	31	77	11.15	32	319	241
1976	3.12	31	72	11.25	32	330	257	2006	3.19	30	78	10.30	31	303	224
1977	5.12	32	132	11.08	29	312	179	2007	4.20	32	110	10.30	31	303	192
1978	4.06	36	96	10.26	32	299	202	2008	4.21	32	112	10.11	32	285	172
1979	3.20	32	79	11.13	31	317	237	2009	4.04	30	94	12.02	32	336	241
1980	4.02	30	93	12.06	29	341	247	2010	2.22	32	83	11.21	30	325	241
1981	4.13	31	103	11.24	32	328	224	2011	4.17	32	107	11.04	31	308	200
1982	4.19	31	109	11.09	30	313	203	2012	3.23	31	83	11.09	30	314	230
1983	4.13	31	103	10.07	32	280	176	2013	5.01	32	121	10.29	32	302	180
1984	4.26	31	117	10.17	31	291	173	2014	3.22	30	81	11.12	32	316	234
1985	5.12	31	132	10.09	31	282	149	2015	3.04	30	63	11.23	32	327	263
1986	4.30	32	120	11.10	31	314	193	2016	3.17	32	77	12.06	30	341	263
1987	4.25	32	115	11.27	32	331	215	2017	3.19	32	78	12.15	32	349	270
1988	4.25	32	116	11.14	32	319	202	2018	3.25	32	84	11.08	31	312	227
1989	4.17	32	107	11.02	32	306	198	2019	3.11	27	70	10.10	32	283	212
1990	3.27	31	86	11.06	31	310	223	2020	4.13	30	104	11.08	28	313	208
1991	4.12	31	102	10.29	32	302	199	2021	4.11	30	101	11.21	32	325	223
1992	3.09	32	69	10.15	32	289	219	2022	3.10	28	69	11.13	30	317	247
1993	3.27	31	86	11.07	30	311	224	2023	4.05	32	95	10.29	32	302	206
1994	3.23	32	82	11.02	32	306	223	2024							
1995	3.27	32	86	10.31	30	304	217	2025							
1996	3.28	30	88	10.26	32	300	211	2026							
1997	4.05	31	95	12.18	31	352	256	2027							
1998	4.13	32	103	11.28	32	332	228	2028							
1999	4.02	31	92	none	-	-	-	2029							

Averages & Extremes ¹	≤ 24° F	≤ 28° F	≤ 32° F	≤ 36° F
<i>Average Last Occurrence in Spring</i>	2 Feb	14 Feb	29 Mar	26 Apr
Latest Occurrence in Spring	12 Mar 1990	18 Apr 1927	12 May 1985	31 May 1953
<i>Average First Occurrence in Autumn</i>	2 Dec	28 Nov	9 Nov	20 Oct
Earliest Occurrence in Autumn	2 Nov 1935	28 Oct 1971	7 Oct 1983	13 Sept 1970
<i>Average Freeze-Free Period</i>	213 days			
Shortest Freeze-Free Period	149 days (1985)			
Longest Freeze-Free Period	346 days (1934)			

¹Averages are based on 1991-2020 data. Extreme data are 1890 to present.