Portland ME Jetport Normals based on NWS Observations 1961- 1990	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Temperature (f)													
Daily Maximum	30.3	33.1	41.4	52.3	63.2	72.7	78.8	77.4	69.3	58.7	47.0	35.1	54.9
Daily Minimum	11.4	13.5	24.5	34.1	43.4	52.1	58.3	57.1	48.9	38.3	30.4	17.8	35.8
Monthly	20.8	23.3	33.0	43.3	53.3	62.4	68.6	67.3	59.1	48.5	38.7	26.5	45.4
number of days with:													
maximum 90 degrees or above	0	0.	0	0	0.2	0.9	1.9	1.2	0.3	0	0	0	4.5
maximum 32 degrees or below	17.2	12.9	4.1	0.1	0	0	0	0	0	0	1.0	12.4	47.7
minimum 32 degrees or below	29.9	26.5	25.2	13.5	2.0	0	0	0	0.8	8.6	19.3	28.9	154.7
minimum 0 degrees of below	6.1	3.9	0.5	0	0	0	0	0	0	0	0	2.8	13.3
Degree Days													
Heating (base 65f)	1370	1168	992	651	363	100	11	39	189	512	789	1194	7378
Cooling (base 65f)	0	0	0	0	0	22	123	111	12	0	0	0	268
Precipitation													
water equivalent	3.53	3.33	3.67	4.08	3.62	3.44	3.09	2.87	3.09	3.90	5.17	4.55	44.34
Snowfall	19.2	16.5	11.6	3.4	0.1	0	0	0	0	0.4	3.1	17.0	71.3
Relative Humidity													
normal daily (in percent)	67	65	66	67	71	75	75	76	77	74	73	70	71
@ 1 am EST	72	70	72	77	82	87	88	88	88	83	79	75	80
@ 7 am EST	73	73	73	72	75	79	81	84	85	84	80	77	78
@ 1 pm EST	58	56	56	54	58	60	60	60	60	58	61	60	58
@ 7 pm EST	66	64	66	66	69	73	73	76	78	75	73	69	71
Mean Number of days with:													
Fog (visibility 1/4 mile or less)	2.1	2.1	3.4	3.1	5.1	5.1	6.4	5.6	5.1	4.6	3.6	2.0	48.2
Thunderstorms	0	0.1	0.4	0.5	1.9	4.1	4.5	3.5	1.5	0.6	0.4	0.1	17.6
Percent of Possible Sunshine													
	56	60	56	55	54	60	63	64	63	57	48	53	57
Winds													
mean speed (MPH)	9.3	9.4	10.1	10.1	9.1	8.4	7.7	7.7	8.1	8.5	8.9	8.9	8.8
prevailing direction (in degrees)	360	340	320	180	180	180	180	180	180	340	360	360	180

Source: NOAA/NCDC publication Climatography of the U.S. #84

The Portland Jetport is located 2 3/4 miles west of the site of the former city office. The surrounding country is mostly open, rolling and sloping generally toward the Fore River, a body of brackish water about 1,000 feet wide at a distance of about 1/2 mile from the station and forming one boundary (north through east) of the field. The airport is about 5 1/2 miles west– northwest of the open ocean. A slight rise reaching an elevation of 100 feet, lying northwest of the field, cuts down the wind slightly from that direction. The older portion of the city is situated on a hill rising abruptly from sea level to 170 feet, 1 1/2 miles east of the airport and on the opposite side of the Fore River. A line of low hills southeast of the airport, near the ocean, which reach a maximum height of 160 feet, shuts off sight of the ocean from the airport. Sebago Lake with an area of 44 square miles is situated about 15 miles to the northwest and 45 miles farther are the White Mountains, averaging 3,000 to 5,000 feet in height. As a rule, Portland has very pleasant summers and falls, cold winters with frequent thaws, and disagreeable springs. Very few summer nights are too warm and humid for comfortable sleeping. Autumn has the greatest number of sunny days and the least cloudiness. Winters are quite severe, but begin late and then extend deeply into the normal springtime. Heavy seasonal snowfalls, over 100 inches, normally occur about each 10 years. True blizzards are very rare. The White Mountains, to the northwest, keep considerable snow from reaching the Portland area and also moderate the temperature. Normal monthly precipitation is remarkably uniform throughout the year. Winds are generally quite light with the highest velocities being confined mostly to March and November. Even in these months the occasional northeasterly gales have usually lost much of their severity before reaching the coast of Maine. Temperatures well below zero are recorded frequently each winter. Cold waves sometimes come in on strong winds, but extremely low temperatures are generally accompanied by light winds. The average freeze—free season at the airport station is 139 days. Mid—May is the average occurrence of the last freeze in spring, and the average occurrence of the first freeze in fall is late September. The freeze– free period is longer in the city proper, but may be even shorter at susceptible places further inland. Daily maximum temperatures at the present airport site agree closely with those near the former intown office, but minimum temperatures on clear, quiet mornings range as much as 15 degrees lower at the airport.

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