

**Table 396. Cloudiness, Average Wind Speed, Heating and Cooling Degree Days, and Average Relative Humidity—Selected Cities**

[Airport data, except as noted. For period of record through 2009, except as noted. M=morning, A=afternoon]

State	Station	Cloudiness-average percentage of days <sup>1</sup>		Average wind speed (miles per hour, m.p.h.)				Heating degree days	Cooling degree days	Average relative humidity (percent)						
		Length of record (yr.)	Annual	Length of record (yr.)	Annual	Jan.	July			Length of record (yr.)	Annual		Jan.		July	
											M	A	M	A	M	A
AL	Mobile	47	72.1	61	8.8	10.1	6.9	1,681	2,539	47	86	66	81	67	89	68
AK	Juneau	47	87.9	64	8.2	8.0	7.5	8,574	-	43	80	70	78	75	79	67
AZ	Phoenix	57	42.3	64	6.2	5.3	7.1	1,027	4,364	49	49	22	63	61	42	19
AR	Little Rock	35	67.5	67	7.7	8.4	6.7	3,084	2,086	45	82	63	78	66	84	62
CA	Los Angeles	60	59.8	61	7.5	6.7	7.9	1,274	679	50	79	66	71	61	86	68
	Sacramento	49	48.5	59	7.8	6.8	8.9	2,666	1,248	23	83	46	90	69	77	29
	San Diego	55	60.0	69	7.0	6.0	7.5	1,063	866	49	77	63	71	58	82	66
	San Francisco	68	56.2	82	10.6	7.2	13.6	2,862	142	50	84	63	86	68	86	60
CO	Denver	61	68.5	53	8.7	8.7	8.3	6,128	696	41	67	41	62	49	67	33
CT	Hartford	41	77.5	55	8.4	8.9	7.3	6,104	759	50	77	53	72	56	78	51
DC	Washington	47	73.4	61	9.0	9.8	7.8	4,888	1,125	62	78	55	75	59	79	54
DE	Wilmington	48	73.8	61	9.4	10.0	8.3	4,055	1,531	49	74	53	70	55	75	53
FL	Jacksonville	47	74.2	60	7.8	8.1	7.0	1,354	2,627	73	89	56	87	57	88	58
	Miami	46	79.7	60	9.2	9.5	7.9	149	4,361	45	83	61	83	59	82	63
GA	Atlanta	61	69.9	71	9.1	10.4	7.7	2,827	1,810	49	82	56	78	58	87	58
HI	Honolulu	47	75.3	60	11.2	9.4	13.1	-	4,561	40	71	56	79	61	67	51
ID	Boise	56	67.1	70	8.7	7.9	8.4	5,727	807	70	69	43	80	70	53	20
IL	Chicago	37	77.0	51	10.3	11.6	8.4	6,498	830	51	79	65	77	70	80	62
	Peoria	52	73.9	66	9.8	10.9	7.8	6,097	998	50	82	67	79	72	85	66
IN	Indianapolis	64	76.0	61	9.6	10.9	7.5	5,521	1,042	50	83	61	81	70	85	69
IA	Des Moines	46	71.3	60	10.7	11.4	8.9	6,436	1,052	48	79	66	76	70	82	64
KS	Wichita	39	64.9	56	12.2	11.9	11.2	4,765	1,658	56	79	61	78	66	78	56
KY	Louisville	47	74.6	62	8.3	9.5	6.8	4,352	1,443	49	81	58	77	64	83	57
LA	New Orleans	47	72.3	61	8.2	9.3	6.1	1,417	2,773	61	86	67	83	69	90	70
ME	Portland	54	72.3	69	8.7	9.0	7.6	7,318	347	69	78	59	75	60	79	59
MD	Baltimore	45	71.2	59	8.7	9.1	7.5	4,720	1,147	56	77	53	72	56	79	52
MA	Boston	60	73.2	52	12.3	13.7	11.0	5,630	777	45	72	58	68	57	73	57
MI	Detroit	37	79.5	51	10.2	11.7	8.5	6,422	736	51	81	59	79	69	82	53
	Sault Ste. Marie	54	81.9	68	9.2	9.5	7.8	9,224	145	68	85	66	80	73	87	61
MN	Duluth	47	79.0	60	11.0	11.6	9.4	9,724	189	48	80	68	77	73	84	66
	Minneapolis-St. Paul	57	74.0	71	10.5	10.5	9.4	7,876	699	50	77	65	75	70	79	61
MS	Jackson	30	69.6	46	6.9	8.1	5.2	2,401	2,264	46	89	66	84	69	92	67
MO	Kansas City	23	67.1	37	10.6	11.1	9.1	5,249	1,325	37	80	67	76	69	83	67
	St. Louis	47	72.4	60	9.6	10.6	8.0	4,758	1,561	49	80	65	79	69	81	62
MT	Great Falls	57	78.4	68	12.5	14.8	10.0	7,828	288	48	68	46	66	60	67	30
NE	Omaha	49	69.6	73	10.5	10.9	8.8	6,311	1,095	45	80	66	78	69	83	66
NV	Reno	53	56.7	67	6.6	5.6	7.2	5,600	493	46	67	31	79	50	57	16
NH	Concord	54	75.3	67	6.7	7.2	5.7	7,478	442	44	81	53	76	58	82	51
NJ	Atlantic City	37	74.2	51	9.8	10.6	8.3	5,113	935	45	81	56	77	58	82	56
NM	Albuquerque	56	54.2	70	8.9	8.0	8.9	4,281	1,290	49	58	29	66	38	58	27
NY	Albany	57	81.1	71	8.9	9.8	7.5	6,860	544	44	79	57	77	63	80	55
	Buffalo	52	85.2	70	11.8	13.9	10.2	6,692	548	49	79	63	79	72	78	55
	New York	42	70.8	72	9.1	10.4	7.5	4,754	1,151	75	72	56	67	59	74	55
NC	Charlotte	49	70.2	60	7.4	7.8	6.6	3,162	1,681	49	82	53	77	54	85	55
	Raleigh	47	69.7	60	7.5	8.2	6.7	3,465	1,521	45	84	53	77	54	87	57
ND	Bismarck	56	74.5	70	10.2	10.0	9.2	8,802	471	50	80	63	76	72	82	56
OH	Cincinnati	44	77.8	62	9.0	10.4	7.2	5,148	1,064	47	82	60	79	68	85	57
	Cleveland	54	81.9	68	10.5	12.2	8.6	6,121	702	49	79	62	78	70	80	56
	Columbus	46	80.3	60	8.3	9.8	6.5	5,492	951	50	80	58	77	67	83	55
OK	Oklahoma City	44	61.9	61	12.2	12.5	10.8	3,663	1,907	44	78	62	76	64	78	58
OR	Portland	47	81.3	61	7.9	9.9	7.6	4,400	390	69	85	59	85	75	81	44
PA	Philadelphia	55	74.5	69	9.5	10.3	8.2	4,759	1,235	50	76	54	72	58	77	53
	Pittsburgh	43	83.8	57	9.0	10.4	7.3	5,829	726	49	79	58	77	66	82	54
RI	Providence	42	73.2	56	10.4	10.9	9.4	5,754	714	46	75	55	71	56	76	56
SC	Columbia	48	68.5	61	6.8	7.2	6.3	2,594	2,074	43	85	51	81	53	87	53
SD	Sioux Falls	50	71.2	61	11.0	10.9	9.8	7,812	747	46	81	67	78	72	83	63
TN	Memphis	43	67.7	61	8.8	10.0	7.5	3,041	2,187	70	79	61	77	65	82	62
	Nashville	54	72.0	68	8.0	9.1	6.5	3,677	1,652	44	82	64	77	67	86	64
TX	Dallas-Fort Worth	42	63.0	56	10.7	11.0	9.7	2,370	2,568	46	79	62	77	65	76	56
	El Paso	53	47.1	67	8.8	8.3	8.3	2,543	2,254	49	55	27	63	33	60	29
	Houston	26	75.4	40	7.6	8.1	6.6	1,525	2,893	40	88	69	84	70	90	67
UT	Salt Lake City	69	65.8	80	8.8	7.5	9.5	5,631	1,066	49	67	43	79	69	50	21
VT	Burlington	52	84.1	66	9.0	9.7	8.0	7,665	489	44	77	58	73	64	78	53
VA	Norfolk	47	71.0	61	10.5	11.4	8.9	3,368	1,612	61	78	58	74	58	81	59
	Richmond	50	72.7	61	7.7	8.1	6.9	3,919	1,435	75	82	53	79	56	84	55
WA	Seattle-Tacoma	51	84.2	61	8.8	9.5	8.1	4,797	173	50	84	62	82	75	81	48
	Spokane	48	76.4	62	8.9	8.7	8.6	6,820	394	50	78	52	86	80	64	26
WV	Charleston	47	82.2	62	5.8	6.9	4.8	4,644	978	62	84	56	78	63	90	59
WI	Milwaukee	55	75.3	69	11.5	12.6	9.7	7,087	616	49	79	68	75	70	80	66
WY	Cheyenne	60	71.0	52	12.9	15.1	10.4	7,388	273	50	65	45	57	50	68	37
PR	San Juan	40	80.0	54	8.3	8.3	9.6	-	5,426	54	79	65	81	65	78	67

- Represents zero. <sup>1</sup> Percent of days that are either partly cloudy or cloudy. <sup>2</sup> Airport data for sunshine.

Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual. See also

- <<http://www.ncdc.noaa.gov/oa/climate/online/ccd/clpcdy.txt>>; <<http://www.ncdc.noaa.gov/oa/climate/online/ccd/wndspd.txt>>;
- <<http://www.ncdc.noaa.gov/oa/climate/online/ccd/nrmhdd.txt>>; <<http://www.ncdc.noaa.gov/oa/climate/online/ccd/nrmcdd.txt>>;
- <<http://www.ncdc.noaa.gov/oa/climate/online/ccd/reihum.txt>>.