

Table 394. 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 2008, except as noted. M=morning. A=afternoon]

State	Station	Cloudiness-average percentage of days ¹		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	60	8.8	10.1	6.9	1,681	2,539	46	86	65	81	67	89	68	
AK	Juneau	47	87.9	63	8.2	8.0	7.5	8,574	-	42	80	70	78	75	79	68	
AZ	Phoenix	57	42.5	63	6.2	5.3	7.1	1,027	4,364	48	49	23	63	31	42	20	
AR	Little Rock	35	67.7	66	7.7	8.4	6.7	3,084	2,086	44	82	63	78	66	85	62	
CA	Los Angeles	60	60.0	60	7.5	6.7	7.9	1,274	679	49	79	66	71	61	86	68	
	Sacramento	49	48.5	58	7.8	6.9	8.9	2,666	1,248	22	83	60	90	69	77	29	
	San Diego	55	60.0	68	7.0	6.0	7.5	1,063	866	48	77	63	72	58	82	66	
	San Francisco	68	56.2	81	10.6	7.2	13.6	2,862	142	49	84	63	86	68	86	60	
CO	Denver	61	68.5	52	8.7	8.7	8.3	6,128	696	40	67	40	63	49	67	33	
CT	Hartford	41	77.5	54	8.4	8.9	7.3	6,104	759	49	77	53	72	56	78	51	
DC	Washington	47	73.4	60	9.0	9.8	7.8	4,888	1,125	61	78	55	75	59	79	54	
DE	Washington	48	74.0	60	9.4	10.0	8.3	4,055	1,531	48	75	53	70	55	76	53	
FL	Jacksonville	47	74.2	59	7.8	8.1	7.0	1,354	2,627	72	89	56	87	57	88	58	
	Miami	46	79.5	59	9.2	9.5	7.9	149	4,361	44	83	61	83	59	82	63	
GA	Atlanta	61	70.1	70	9.1	10.4	7.7	2,827	1,810	48	82	56	78	58	87	58	
HI	Honolulu	47	75.3	59	11.2	9.4	13.1	-	4,561	39	72	56	80	61	67	51	
ID	Boise	56	67.1	69	8.7	7.9	8.4	5,727	807	69	69	43	80	70	53	21	
IL	Chicago	37	77.0	50	10.3	11.6	8.4	6,498	830	50	80	65	77	70	81	61	
	Peoria	52	73.7	65	9.8	10.9	7.8	6,097	998	49	82	67	79	72	85	65	
IN	Indianapolis	64	76.2	60	9.6	10.9	7.5	5,521	1,042	49	83	61	81	70	86	59	
IA	Des Moines	46	71.5	59	10.7	11.4	8.9	6,436	1,052	47	79	66	76	70	82	64	
KS	Wichita	39	64.9	55	12.2	11.9	11.2	4,765	1,658	55	79	61	78	66	78	56	
KY	Louisville	47	74.8	61	8.3	9.5	6.8	4,352	1,443	48	81	58	77	64	83	57	
LA	New Orleans	47	72.3	60	8.2	9.3	6.1	1,417	2,773	60	87	67	83	69	90	70	
ME	Portland	54	72.3	68	8.7	9.0	7.6	7,318	347	68	79	59	75	60	79	59	
MD	Baltimore	45	71.2	58	8.7	9.2	7.5	4,720	1,147	55	77	53	72	56	79	52	
MA	Boston	60	73.2	51	12.3	13.7	11.0	5,630	777	44	72	58	68	58	73	57	
MI	Detroit	37	79.5	50	10.2	11.8	8.5	6,422	736	50	81	59	80	69	81	53	
	Sault Ste. Marie	54	81.9	67	9.2	9.6	7.8	9,224	145	67	85	66	81	73	87	61	
MN	Duluth	47	79.2	59	11.0	11.6	9.4	9,724	189	47	81	68	77	73	84	65	
	Minneapolis-St. Paul	57	74.0	70	10.5	10.5	9.4	7,876	699	49	78	64	75	70	79	60	
MS	Jackson	30	69.6	45	6.9	8.2	5.2	2,401	2,264	45	89	65	84	69	92	67	
MO	Kansas City	23	67.1	36	10.6	11.1	9.2	5,249	1,325	36	80	67	76	69	83	67	
	St. Louis	47	72.6	59	9.6	10.6	8.0	4,758	1,561	48	80	64	79	69	82	62	
MT	Great Falls	57	78.4	67	12.5	14.8	10.0	7,828	288	47	68	46	66	60	67	30	
NE	Omaha	49	69.6	72	10.5	10.9	8.8	6,311	1,095	44	80	66	78	69	83	65	
NV	Reno	53	56.7	66	6.6	5.6	7.2	5,600	493	45	68	31	79	50	57	18	
NH	Concord	54	75.3	66	6.7	7.2	5.7	7,478	442	43	81	53	76	58	82	51	
NJ	Atlantic City	37	74.2	50	9.8	10.7	8.3	5,113	935	44	81	56	78	58	82	56	
NM	Albuquerque	56	54.2	69	8.9	8.0	8.9	4,281	1,290	48	58	29	67	39	58	27	
NY	Albany	57	81.1	70	8.9	9.8	7.5	6,860	544	43	80	58	77	63	80	55	
	Buffalo	52	85.2	69	11.8	13.9	10.2	6,692	548	48	80	63	79	72	78	55	
	New York	42	71.0	71	9.1	10.4	7.5	4,754	1,151	74	72	56	67	59	74	55	
NC	Charlotte	49	70.4	59	7.4	7.8	6.6	3,162	1,681	48	82	53	77	54	85	56	
	Raleigh	47	69.9	59	7.5	8.2	6.7	3,465	1,521	44	84	53	78	54	88	57	
ND	Bismarck	56	74.5	69	10.2	10.0	9.2	8,802	471	49	80	63	76	71	82	56	
OH	Cincinnati	44	77.8	61	9.0	10.4	7.2	5,148	1,064	46	82	60	79	68	85	57	
	Cleveland	54	81.9	67	10.5	12.2	8.6	6,121	702	48	79	62	78	70	80	56	
	Columbus	46	80.3	59	8.3	9.8	6.5	5,492	951	49	80	59	77	67	83	55	
OK	Oklahoma City	44	61.9	60	12.2	12.5	10.8	3,663	1,907	43	79	62	76	64	78	58	
OR	Portland	47	81.1	60	7.9	9.9	7.6	4,400	390	68	85	59	85	75	81	44	
PA	Philadelphia	55	74.5	68	9.5	10.3	8.2	4,759	1,235	49	76	54	73	58	77	53	
	Pittsburgh	43	83.8	56	9.0	10.4	7.3	5,829	726	48	80	58	77	66	82	54	
RI	Providence	42	73.2	55	10.4	10.9	9.4	5,754	714	45	75	55	71	56	76	55	
SC	Columbia	48	68.5	60	6.8	7.2	6.3	2,594	2,074	42	86	51	81	53	87	53	
SD	Sioux Falls	50	71.2	60	11.0	10.9	9.8	7,812	747	45	81	67	78	72	83	62	
TN	Memphis	43	67.7	60	8.8	10.0	7.5	3,041	2,187	69	80	61	77	65	83	61	
	Nashville	54	71.8	67	8.0	9.1	6.5	3,677	1,652	43	82	64	77	67	86	64	
TX	Dallas-Fort Worth	42	63.0	55	10.7	11.0	9.7	2,370	2,568	45	79	62	77	65	77	56	
	El Paso	53	47.1	66	8.8	8.3	8.3	2,543	2,254	48	56	27	63	34	60	29	
	Houston	26	75.3	39	7.6	8.1	6.6	1,525	2,893	39	88	68	84	70	90	67	
UT	Salt Lake City	69	65.8	79	8.8	7.5	9.5	5,631	1,066	48	67	43	79	69	50	21	
VT	Burlington	52	84.1	65	9.0	9.7	8.0	7,665	489	43	77	58	73	64	78	53	
VA	Norfolk	47	71.2	60	10.5	11.4	8.9	3,368	1,612	60	78	58	74	58	81	59	
	Richmond	50	72.9	60	7.7	8.1	6.9	3,919	1,435	74	82	53	79	56	84	55	
WA	Seattle-Tacoma	51	84.4	60	8.8	9.5	8.1	4,797	173	49	84	62	82	74	81	49	
	Spokane	48	76.4	61	8.9	8.7	8.6	6,820	394	49	78	52	86	79	64	26	
WV	Charleston	47	82.2	61	5.8	6.9	4.8	4,644	978	61	84	56	78	63	90	59	
WI	Milwaukee	55	75.3	68	11.5	12.6	9.7	7,087	616	48	79	68	75	70	80	65	
WY	Cheyenne	60	71.2	51	12.9	15.1	10.4	7,388	273	49	65	45	57	50	68	37	
PR	San Juan	40	80.0	53	8.3	8.3	9.6	-	5,426	53	81	65	78	67	79	65	

— Represents zero. ¹ Percent of days that are either partly cloudy or cloudy. ² 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>>.