

Table 384. 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 2006, except heating and cooling normals for period 1971–2000. M = morning. A = afternoon]

State	Station	Cloudiness—average percentage of days		Average wind speed (m.p.h.)				Average relative humidity (percent)								
		Length of record (yr.)	Annual	Length of record (yr.)	Annual	Jan.	July	Heating degree days	Cooling degree days	Length of record (yr.)	Annual		Jan.		July	
											M	A	M	A	M	A
AL	Mobile	47	72.1	58	8.8	10.1	6.9	1,667	2,548	44	87	64	82	66	89	67
AK	Juneau	47	87.9	61	8.2	8.0	7.5	8,574	—	40	80	70	88	75	79	67
AZ	Phoenix	35	62.3	61	6.2	5.3	7.1	1,040	4,355	46	49	23	63	31	42	19
AR	Little Rock	57	67.5	64	7.7	8.4	6.7	3,084	2,086	42	82	62	79	65	85	61
CA	Los Angeles	60	59.8	58	7.5	6.7	7.9	1,286	682	47	79	66	71	61	86	68
	Sacramento	49	48.5	56	7.8	6.9	8.9	2,666	1,248	20	83	46	91	70	76	29
	San Diego	55	60.0	66	7.0	6.0	7.5	1,063	866	46	77	63	72	58	82	67
	San Francisco	68	56.2	79	10.6	7.2	13.6	2,862	142	47	84	63	86	68	86	60
CO	Denver	61	68.5	50	8.7	8.7	8.3	6,128	695	38	67	40	63	48	67	33
CT	Hartford	41	77.5	52	8.4	8.9	7.3	6,104	759	47	77	53	72	57	78	51
DE	Wilmington	47	73.4	58	9.0	9.8	7.8	4,887	1,125	59	78	55	75	60	79	54
DC	Washington	48	73.8	58	9.4	10.0	8.3	3,999	1,560	46	75	54	70	55	76	53
FL	Jacksonville	47	74.2	57	7.8	8.1	7.0	1,353	2,636	70	89	56	87	57	88	58
	Miami	46	79.7	57	9.2	9.5	7.9	1,555	4,383	42	83	61	84	59	82	63
GA	Atlanta	61	69.9	68	9.1	10.4	7.7	2,827	1,810	46	82	56	78	58	87	59
HI	Honolulu	47	75.3	57	11.3	9.4	13.1	—	4,561	37	72	56	80	61	67	51
ID	Boise	56	67.1	67	8.7	7.9	8.4	5,809	769	67	69	43	80	70	53	21
IL	Chicago	37	77.0	48	10.3	11.6	8.4	6,493	835	48	80	64	77	70	81	61
	Peoria	52	73.9	63	9.8	10.9	7.8	6,095	998	47	82	66	79	72	85	65
IN	Indianapolis	64	76.0	58	9.6	10.9	7.5	5,521	1,042	47	84	62	81	70	86	59
IA	Des Moines	46	71.3	57	10.7	11.4	8.9	6,432	1,052	45	80	65	76	70	82	63
KS	Wichita	39	64.9	53	12.2	11.9	11.3	4,765	1,658	53	79	60	78	66	78	55
KY	Louisville	47	74.6	59	8.3	9.5	6.8	4,352	1,443	46	81	58	77	64	84	57
LA	New Orleans	47	72.3	58	8.2	9.3	6.1	1,417	2,776	58	87	67	84	69	90	69
ME	Portland	54	72.3	66	8.7	9.0	7.6	7,325	347	66	79	59	75	60	80	59
MD	Baltimore	45	71.2	56	8.8	9.3	7.6	4,634	1,220	53	78	54	72	57	80	53
MA	Boston	60	73.2	49	12.4	13.7	11.0	5,630	777	42	73	58	68	58	73	57
MI	Detroit	37	79.5	48	10.2	11.8	8.5	6,449	727	48	81	60	80	69	81	54
	Sault Ste. Marie	54	81.9	65	9.2	9.6	7.8	9,230	145	65	85	66	80	73	88	61
MN	Duluth	47	79.0	57	11.0	11.6	9.4	9,742	189	45	81	68	77	72	85	64
	Minneapolis-St. Paul	57	74.0	68	10.5	10.5	9.4	7,882	699	47	78	64	75	69	79	60
MS	Jackson	30	69.6	43	6.9	8.2	5.2	2,368	2,290	43	89	64	85	69	92	66
MO	Kansas City	23	67.1	34	10.6	11.1	9.2	5,249	1,325	34	80	66	76	68	83	66
	St. Louis	47	72.4	57	9.6	10.6	8.0	4,757	1,561	46	81	64	80	69	82	61
MT	Great Falls	57	78.4	65	12.5	14.8	10.0	7,675	326	45	68	45	66	61	67	30
NE	Omaha	49	69.6	70	10.5	10.9	8.8	6,312	1,095	42	81	65	78	69	83	64
NV	Reno	53	56.7	64	6.6	5.6	7.2	5,601	493	43	68	31	79	50	58	18
NH	Concord	54	75.3	64	6.7	7.2	5.7	7,485	442	41	81	53	76	58	83	51
NJ	Atlantic City	37	74.2	48	9.8	10.7	8.3	5,113	935	42	81	56	78	58	82	57
NM	Albuquerque	56	54.2	67	8.9	8.0	8.9	4,281	1,290	46	58	29	67	38	58	27
NY	Albany	57	81.1	68	8.9	9.8	7.5	6,861	544	41	80	58	77	63	80	55
	Buffalo	52	85.2	67	11.8	13.9	10.2	6,693	548	46	80	63	79	72	78	55
	New York	42	70.8	69	9.3	10.6	7.6	4,744	1,160	72	72	56	68	59	75	55
NC	Charlotte	49	70.2	57	7.4	7.8	6.6	3,208	1,644	46	82	53	77	55	86	56
	Raleigh	47	69.7	57	7.6	8.2	6.7	3,465	1,521	42	85	54	79	54	88	57
ND	Bismarck	56	74.5	67	10.2	10.0	9.2	8,809	471	47	80	62	76	71	83	55
OH	Cincinnati	44	77.8	59	9.0	10.4	7.2	5,200	1,053	44	82	60	79	68	85	57
	Cleveland	54	81.9	65	10.5	12.2	8.6	6,097	712	46	80	62	78	70	81	57
	Columbus	46	80.3	57	8.3	9.8	6.5	5,546	925	47	81	59	77	67	83	55
OK	Oklahoma City	44	61.9	58	12.2	12.5	10.9	3,663	1,907	41	79	61	77	63	79	57
OR	Portland	47	81.3	58	7.9	9.9	7.6	4,366	398	66	85	59	85	75	81	44
PA	Philadelphia	55	74.5	66	9.5	10.3	8.2	4,759	1,235	47	76	54	73	59	78	53
	Pittsburgh	43	83.8	54	9.0	10.4	7.3	5,829	726	46	80	58	77	66	83	54
RI	Providence	42	73.2	53	10.4	10.9	9.4	5,754	714	43	75	55	71	56	77	56
SC	Columbia	48	68.5	58	6.8	7.2	6.3	2,595	2,063	40	86	51	82	53	88	53
SD	Sioux Falls	50	71.2	58	11.0	10.9	9.8	7,746	757	43	82	66	78	71	83	61
TN	Memphis	43	67.7	58	8.8	10.0	7.5	3,033	2,190	67	80	60	77	65	83	61
	Nashville	54	72.0	65	8.0	9.1	6.5	3,658	1,656	41	82	63	78	67	87	63
TX	Dallas-Fort Worth	42	63.0	53	10.7	11.0	9.8	2,370	2,571	43	80	61	78	64	77	55
	El Paso	53	47.1	64	8.8	8.3	8.3	2,604	2,165	46	56	27	64	33	60	29
	Houston	26	75.3	37	7.6	8.1	6.6	1,525	2,893	37	89	67	84	69	91	65
UT	Salt Lake City	69	65.8	77	8.8	7.5	9.5	5,607	1,089	46	67	43	79	69	51	21
VT	Burlington	52	84.1	63	9.0	9.7	8.0	7,665	489	41	77	59	73	64	78	53
VA	Norfolk	47	71.0	58	10.5	11.4	8.9	3,342	1,630	52	78	58	74	59	81	59
	Richmond	50	72.7	58	7.7	8.1	6.9	3,878	1,466	78	83	53	79	56	84	56
WA	Seattle-Tacoma	51	84.2	58	8.8	9.5	8.1	4,797	173	47	84	62	82	74	82	49
	Spokane	48	76.4	59	8.9	8.7	8.6	6,820	394	47	78	52	86	79	64	27
WV	Charleston	47	82.2	59	5.8	6.9	4.8	5,427	1,064	59	84	57	78	63	90	59
WI	Milwaukee	55	75.3	66	11.5	12.6	9.7	7,096	616	46	79	67	76	70	81	65
WY	Cheyenne	60	71.0	49	12.9	15.1	10.4	7,289	280	47	65	44	57	50	69	37
PR	San Juan	40	80.0	51	8.3	8.3	9.6	—	5,426	51	79	65	82	64	79	67

— 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>>; and <<http://www.ncdc.noaa.gov/oa/climate/online/ccd/relhum.txt>>.