

Table 383. 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 2005, 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	57	8.8	10.1	6.9	1,667	2,548	43	87	64	82	66	90	67	67
AK	Juneau	47	87.9	60	8.2	8.0	7.5	8,574	—	39	80	70	78	75	79	68	68
AZ	Phoenix	57	42.5	60	6.2	5.3	7.1	1,040	4,355	45	49	23	64	32	42	20	20
AR	Little Rock	35	67.7	63	7.8	8.4	6.7	3,084	2,086	41	82	62	80	66	86	61	61
CA	Los Angeles	60	60.0	57	7.5	6.7	7.9	1,286	682	46	79	66	72	62	86	69	69
	Sacramento	49	48.5	55	7.8	6.9	8.9	2,666	1,248	19	83	46	91	71	77	30	30
	San Diego	55	60.0	65	7.0	6.0	7.5	1,063	866	45	77	63	73	58	82	67	67
	San Francisco	68	56.2	78	10.6	7.2	13.6	2,862	142	46	84	63	87	69	87	60	60
CO	Denver	61	68.5	49	8.7	8.6	8.3	6,128	695	37	67	40	63	49	68	34	34
CT	Hartford	41	77.5	51	8.4	8.9	7.3	6,104	759	46	77	53	73	57	79	51	51
DE	Wilmington	47	73.4	57	9.0	9.8	7.8	4,887	1,125	58	79	55	75	60	80	55	55
DC	Washington	48	74.0	57	9.4	10.0	8.3	3,999	1,560	45	75	54	71	56	77	54	54
FL	Jacksonville	47	74.2	56	7.8	8.1	7.0	1,353	2,636	69	89	56	88	58	89	59	59
	Miami	46	79.5	56	9.2	9.5	7.9	155	4,383	41	83	61	85	60	83	63	63
GA	Atlanta	61	70.1	67	9.1	10.4	7.7	2,827	1,810	45	82	56	78	59	88	59	59
HI	Honolulu	47	75.3	56	11.3	9.4	13.1	—	4,561	36	72	56	81	62	68	52	52
ID	Boise	56	67.1	66	8.7	7.9	8.4	5,809	769	66	69	43	81	71	54	21	21
IL	Chicago	37	77.0	47	10.3	11.6	8.4	6,493	835	47	80	64	77	70	81	61	61
	Peoria	52	73.7	62	9.8	10.9	7.8	6,095	998	46	83	66	80	72	86	65	65
IN	Indianapolis	64	76.2	57	9.6	10.9	7.5	5,521	1,042	46	84	62	81	71	87	60	60
IA	Des Moines	46	71.5	56	10.7	11.4	8.9	6,432	1,052	44	80	65	77	70	83	63	63
KS	Wichita	39	64.9	52	12.2	11.9	11.3	4,765	1,658	52	80	60	79	66	79	55	55
KY	Louisville	47	74.8	58	8.3	9.5	6.8	4,352	1,443	45	81	59	78	65	85	58	58
LA	New Orleans	47	72.3	57	8.2	9.3	6.1	1,417	2,776	57	87	66	84	69	91	69	69
ME	Portland	54	72.3	65	8.7	9.0	7.6	7,325	347	65	79	59	76	60	80	60	60
MD	Baltimore	45	71.2	55	8.8	9.3	7.6	4,634	1,220	52	78	54	73	57	80	53	53
MA	Boston	60	73.2	48	12.4	13.7	11.0	6,630	777	41	73	58	68	58	74	57	57
MI	Detroit	37	79.5	47	10.2	11.8	8.5	6,449	727	47	81	60	80	70	82	54	54
	Sault Ste. Marie	54	81.9	64	9.2	9.6	7.8	9,230	145	64	85	66	81	74	88	62	62
MN	Duluth	47	79.2	56	11.0	11.6	9.4	9,742	189	44	81	67	78	73	85	65	65
	Minneapolis-St. Paul	57	74.0	67	10.5	10.5	9.4	7,882	699	46	78	64	75	70	80	60	60
MS	Jackson	30	69.6	42	6.9	8.2	5.2	2,368	2,290	42	90	64	86	69	93	66	66
MO	Kansas City	23	67.1	33	10.6	11.1	9.2	5,249	1,325	33	80	66	77	69	84	66	66
	St. Louis	47	72.6	56	9.6	10.6	8.0	4,757	1,561	45	81	63	80	69	83	61	61
MT	Great Falls	57	78.4	64	12.5	14.8	10.0	7,675	326	44	68	45	67	61	68	31	31
NE	Omaha	49	69.6	69	10.5	10.9	8.8	6,312	1,095	41	81	64	78	69	84	64	64
NV	Reno	53	56.7	63	6.6	5.6	7.2	5,601	493	42	68	31	80	51	59	19	19
NH	Concord	54	75.3	63	6.7	7.2	5.7	7,485	442	40	81	53	76	59	84	52	52
NJ	Atlantic City	37	74.2	47	9.8	10.7	8.3	5,113	935	41	82	57	78	59	83	57	57
NM	Albuquerque	56	54.2	66	8.9	8.0	8.9	4,281	1,290	45	58	29	68	39	59	27	27
NY	Albany	57	81.1	67	8.9	9.8	7.5	6,861	544	40	80	58	78	64	81	55	55
	Buffalo	52	85.2	66	11.8	13.9	10.2	6,693	548	45	80	63	79	73	79	56	56
	New York ²	42	71.0	68	9.3	10.6	7.6	4,744	1,160	71	72	56	68	60	75	55	55
NC	Charlotte	49	70.4	56	7.4	7.8	6.6	3,208	1,644	45	82	54	78	55	87	57	57
	Raleigh	47	69.9	56	7.6	8.2	6.7	3,465	1,521	41	85	54	79	55	89	58	58
ND	Bismarck	56	74.5	66	10.2	10.0	9.2	8,809	471	46	80	62	76	71	84	55	55
OH	Cincinnati	44	77.8	58	9.0	10.4	7.2	5,200	1,053	43	82	60	80	69	86	58	58
	Cleveland	54	81.9	64	10.5	12.2	8.6	6,097	712	45	80	62	79	70	81	57	57
	Columbus	46	80.3	56	8.3	9.8	6.5	5,546	925	46	81	59	78	68	84	56	56
OK	Oklahoma City	44	61.9	57	12.2	12.5	10.9	3,663	1,907	40	79	61	78	64	80	57	57
OR	Portland	47	81.1	57	7.9	9.9	7.6	4,366	398	65	86	59	85	76	82	45	45
PA	Philadelphia	55	74.5	65	9.5	10.3	8.2	4,759	1,235	46	76	55	73	59	79	54	54
	Pittsburgh	43	83.8	53	9.0	10.4	7.3	5,829	726	45	80	58	77	66	83	55	55
RI	Providence	42	73.2	52	10.4	10.9	9.4	5,754	714	42	76	55	71	57	77	56	56
SC	Columbia	48	68.5	57	6.8	7.2	6.3	2,595	2,063	39	86	51	82	54	88	54	54
SD	Sioux Falls	50	71.2	57	11.0	10.9	9.8	7,746	757	42	82	66	78	72	84	61	61
TN	Memphis	43	67.7	57	8.8	10.0	7.5	3,033	2,190	66	80	60	78	65	84	61	61
	Nashville	54	71.8	64	8.0	9.1	6.5	3,658	1,656	40	83	63	79	67	87	63	63
TX	Dallas-Fort Worth	42	63.0	52	10.7	11.0	9.8	2,370	2,571	42	80	61	79	65	78	55	55
	El Paso	53	47.1	63	8.8	8.3	8.3	2,604	2,165	45	56	27	65	34	61	29	29
	Houston	26	75.3	36	7.6	8.1	6.6	1,525	2,893	36	89	67	85	70	91	65	65
UT	Salt Lake City	69	65.8	76	8.8	7.5	9.5	5,607	1,089	45	67	43	80	70	51	22	22
VT	Burlington	52	84.1	62	9.0	9.7	8.0	7,665	489	40	77	59	73	64	79	53	53
VA	Norfolk	47	71.2	57	10.5	11.4	8.9	3,342	1,630	57	79	58	75	59	82	59	59
	Richmond	50	72.9	57	7.7	8.1	6.9	3,878	1,466	71	83	53	70	57	85	56	56
WA	Seattle-Tacoma	51	84.4	57	8.8	9.5	8.1	4,797	173	46	84	62	82	75	82	49	49
	Spokane	48	76.4	58	8.9	8.7	8.6	6,820	394	46	78	52	86	80	64	27	27
WV	Charleston	47	82.2	58	5.8	6.9	4.8	4,589	1,064	58	84	57	78	63	91	60	60
WI	Milwaukee	55	75.3	65	11.5	12.6	9.7	7,096	616	45	79	67	76	70	81	65	65
WY	Cheyenne	60	71.2	48	12.9	15.1	10.4	7,289	280	46	65	45	58	50	69	37	37
PR	San Juan	40	80.0	50	8.3	8.3	9.6	—	5,426	50	79	65	82	65	79	67	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>.