

Number of Cloud-To-Ground Flashes by State from 2009 to 2018

State	Flashes In 2018	Average Flashes 2009 to 2018	State	Flashes In 2018	Average Flashes 2009 to 2018
Alabama	631,644	720,780	Nebraska	800,019	780,934
Arizona	574,035	539,689	Nevada	116,394	129,580
Arkansas	778,168	837,978	New Hampshire	13,504	17,238
California	56,106	81,689	New Jersey	35,383	40,286
Colorado	467,855	496,722	New Mexico	699,719	731,776
Connecticut	16,992	16,316	New York	91,790	150,157
Delaware	8,614	11,487	North Carolina	345,236	412,340
D.C.	524	571	North Dakota	509,862	342,547
Florida	1,385,710	1,189,873	Ohio	234,214	365,476
Georgia	693,776	642,203	Oklahoma	958,925	1,102,399
Idaho	69,840	79,327	Oregon	39,799	46,190
Illinois	533,158	716,885	Pennsylvania	197,654	241,330
Indiana	256,464	406,902	Rhode Island	1,223	2,210
Iowa	651,375	625,437	South Carolina	305,251	346,282
Kansas	928,760	1,023,177	South Dakota	641,487	540,604
Kentucky	388,292	502,715	Tennessee	436,018	511,650
Louisiana	854,871	875,136	Texas	2,483,805	2,923,584
Maine	32,902	40,380	Utah	143,341	187,410
Maryland	60,381	73,218	Vermont	10,286	21,261
Massachusetts	19,613	19,177	Virginia	260,957	271,175
Michigan	180,764	220,635	Washington	15,921	24,490
Minnesota	531,162	425,932	West Virginia	148,510	159,353
Mississippi	678,707	768,126	Wisconsin	279,864	274,963
Missouri	711,222	981,351	Wyoming	278,439	265,681
Montana	297,344	308,166			
			TOTALS	19,944,880	21,492,792

These cloud-to-ground lightning flashes were measured by the National Lightning Detection Network® (NLDN®) over the land area within state borders. The NLDN does not cover Alaska or Hawaii. The NLDN is owned and operated by Vaisala.

Rank of Cloud-To-Ground Flash Densities by State from 2009 TO 2018

State	Ave. Flashes Per Year	Flashes Per Square Mile	State	Ave. Flashes Per Year	Flashes Per Square Mile
1. Florida	1,189,873	20.8	26. Delaware	11,487	5.8
2. Louisiana	875,136	18.9	27. Pennsylvania	241,330	5.3
3. Mississippi	768,126	16.1	28. New Jersey	40,286	5.3
4. Oklahoma	1,102,399	15.8	29. Minnesota	425,932	5.0
5. Arkansas	837,978	15.7	30. Wisconsin	274,963	4.9
6. Missouri	981,351	14.1	31. North Dakota	342,547	4.9
7. Alabama	720,780	13.9	32. Colorado	496,722	4.8
8. Illinois	716,885	12.7	33. Arizona	539,689	4.7
9. Kentucky	502,715	12.5	34. Michigan	220,635	3.8
10. Kansas	1,023,177	12.5	35. Connecticut	16,316	3.3
11. Tennessee	511,650	12.2	36. New York	150,157	3.1
12. Indiana	406,902	11.3	37. Wyoming	265,681	2.7
13. South Carolina	346,282	11.2	38. Massachusetts	19,177	2.4
14. Iowa	625,437	11.1	39. Vermont	21,261	2.2
15. Texas	2,923,584	11.0	40. Utah	187,410	2.2
16. Georgia	642,203	10.9	41. New Hampshire	17,238	1.9
17. Nebraska	780,934	10.1	42. Montana	308,166	2.1
18. Ohio	365,476	8.8	43. Rhode Island	2,210	2.1
19. D.C.	571	8.4	44. Maine	40,380	1.2
20. North Carolina	412,340	8.3	45. Nevada	129,580	1.2
21. Maryland	73,218	7.4	46. Idaho	79,327	1.0
22. South Dakota	540,604	7.0	47. California	81,689	0.5
23. Virginia	271,175	6.8	48. Oregon	46,190	0.5
24. West Virginia	159,353	6.6	49. Washington	24,490	0.4
25. New Mexico	731,776	6.0			

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