

Number of Cloud-To-Ground Flashes by State from 2008 to 2017

| State | Flashes In 2017 | Average Flashes 2008 to 2017 | State | Flashes In 2017 | Average Flashes 2008 to 2017 |
|---------------|-----------------|------------------------------|----------------|-------------------|------------------------------|
| Alabama | 615,293 | 727,033 | Nebraska | 807,966 | 770,339 |
| Arizona | 451,281 | 537,076 | Nevada | 107,898 | 125,905 |
| Arkansas | 840,007 | 862,785 | New Hampshire | 15,201 | 19,840 |
| California | 77,394 | 80,050 | New Jersey | 27,088 | 42,711 |
| Colorado | 442,587 | 490,164 | New Mexico | 719,747 | 731,571 |
| Connecticut | 10,459 | 18,058 | New York | 103,557 | 167,014 |
| Delaware | 10,547 | 12,215 | North Carolina | 346,050 | 426,066 |
| D.C. | 418 | 631 | North Dakota | 224,080 | 319,651 |
| Florida | 1,091,756 | 1,170,979 | Ohio | 318,875 | 381,562 |
| Georgia | 549,464 | 641,790 | Oklahoma | 1,413,105 | 1,134,172 |
| Idaho | 49,826 | 77,077 | Oregon | 36,995 | 46,646 |
| Illinois | 560,551 | 760,958 | Pennsylvania | 147,458 | 249,189 |
| Indiana | 425,673 | 433,803 | Rhode Island | 1,146 | 2,480 |
| Iowa | 526,848 | 654,751 | South Carolina | 306,117 | 359,954 |
| Kansas | 971,258 | 1,052,464 | South Dakota | 607,092 | 521,076 |
| Kentucky | 321,119 | 498,455 | Tennessee | 359,171 | 509,763 |
| Louisiana | 1,133,476 | 866,157 | Texas | 3,303,156 | 2,929,012 |
| Maine | 31,455 | 42,173 | Utah | 128,309 | 186,620 |
| Maryland | 67,305 | 77,346 | Vermont | 11,441 | 24,296 |
| Massachusetts | 10,987 | 21,521 | Virginia | 170,813 | 275,756 |
| Michigan | 162,823 | 230,590 | Washington | 16,080 | 24,982 |
| Minnesota | 498,032 | 404,237 | West Virginia | 91,992 | 165,219 |
| Mississippi | 712,842 | 791,341 | Wisconsin | 339,199 | 276,627 |
| Missouri | 887,665 | 1,053,537 | Wyoming | 205,994 | 261,897 |
| Montana | 137,339 | 304,587 | | | |
| | | | TOTALS | 20,394,935 | 21,762,015 |

These cloud-to-ground lightning flashes were measured by the National Lightning Detection Network® (NLDN®) over the land area inside 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 2008 TO 2017

| State | Ave. Flashes Per Year | Flashes Per Square Mile | State | Ave. Flashes Per Year | Flashes Per Square Mile |
|--------------------|--------------------------|----------------------------|-------------------|--------------------------|----------------------------|
| 1. Florida | 1,170,979 | 20.4 | 26. New Mexico | 731,571 | 6.0 |
| 2. Louisiana | 866,157 | 18.7 | 27. New Jersey | 42,711 | 5.6 |
| 3. Mississippi | 791,341 | 16.6 | 28. Pennsylvania | 249,189 | 5.5 |
| 4. Oklahoma | 1,134,172 | 16.2 | 29. Wisconsin | 276,627 | 4.9 |
| 5. Arkansas | 862,785 | 16.2 | 30. Minnesota | 404,237 | 4.8 |
| 6. Missouri | 1,053,537 | 15.1 | 31. Colorado | 490,164 | 4.7 |
| 7. Alabama | 727,033 | 14.0 | 32. Arizona | 537,076 | 4.7 |
| 8. Illinois | 760,958 | 13.5 | 33. North Dakota | 319,651 | 4.5 |
| 9. Kansas | 1,052,464 | 12.8 | 34. Michigan | 230,590 | 4.0 |
| 10. Kentucky | 498,455 | 12.4 | 35. Connecticut | 18,058 | 3.6 |
| 11. Tennessee | 509,763 | 12.1 | 36. New York | 167,014 | 3.4 |
| 12. Indiana | 433,803 | 12.0 | 37. Wyoming | 261,897 | 2.7 |
| 13. South Carolina | 359,954 | 11.6 | 38. Massachusetts | 21,521 | 2.7 |
| 14. Iowa | 654,751 | 11.6 | 39. Vermont | 24,296 | 2.6 |
| 15. Texas | 2,292,012 | 11.0 | 40. New Hampshire | 19,840 | 2.1 |
| 16. Georgia | 641,790 | 10.9 | 41. Rhode Island | 2,480 | 2.3 |
| 17. Nebraska | 770,339 | 10.0 | 42. Utah | 186,620 | 2.2 |
| 18. D.C. | 631 | 9.3 | 43. Montana | 304,587 | 2.1 |
| 19. Ohio | 381,562 | 9.2 | 44. Maine | 42,173 | 1.3 |
| 20. North Carolina | 426,066 | 8.6 | 45. Nevada | 125,905 | 1.1 |
| 21. Maryland | 77,346 | 7.8 | 46. Idaho | 77,077 | 0.9 |
| 22. Virginia | 275,756 | 6.9 | 47. California | 80,050 | 0.5 |
| 23. West Virginia | 165,219 | 6.8 | 48. Oregon | 46,646 | 0.5 |
| 24. South Dakota | 521,076 | 6.8 | 49. Washington | 24,872 | 0.4 |
| 25. Delaware | 12,215 | 6.2 | | | |

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