

Vaisala 2017 Annual Lightning Report



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THE FOLLOWING ANNUAL LIGHTNING REPORT HAS BEEN PREPARED BY VAISALA.

The data are provided from the Vaisala National Lightning Detection Network, the most scientifically accurate and reliable lightning information system, monitoring total lightning activity across the continental United States, 24 hours a day, 365 days a year.

Data analyses provided by Ronald Holle and William Brooks.

For more information, visit **vaisala.com/lightning**

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2017 Top 10 States with the Most Cloud-to-Ground Lightning Flashes

Top Ten 2017 Cloud-to-Ground Flashes by State

| | | |
|----|-------------|-----------|
| 1 | Texas | 3,303,156 |
| 2 | Oklahoma | 1,413,105 |
| 3 | Louisiana | 1,133,476 |
| 4 | Florida | 1,091,756 |
| 5 | Kansas | 971,258 |
| 6 | Missouri | 887,665 |
| 7 | Arkansas | 840,007 |
| 8 | Nebraska | 807,966 |
| 9 | New Mexico | 719,747 |
| 10 | Mississippi | 712,842 |



2017 Top 10 States with the Most Cloud Pulse Counts

Top Ten 2017 Cloud Pulse Counts by State

| | | |
|-----------|-------------|------------|
| 1 | Texas | 32,101,523 |
| 2 | Oklahoma | 13,684,884 |
| 3 | Florida | 10,531,782 |
| 4 | Louisiana | 8,966,680 |
| 5 | Missouri | 7,560,223 |
| 6 | Kansas | 6,855,012 |
| 7 | Arkansas | 6,473,265 |
| 8 | Mississippi | 5,763,382 |
| 9 | Nebraska | 5,589,407 |
| 10 | Georgia | 5,440,750 |



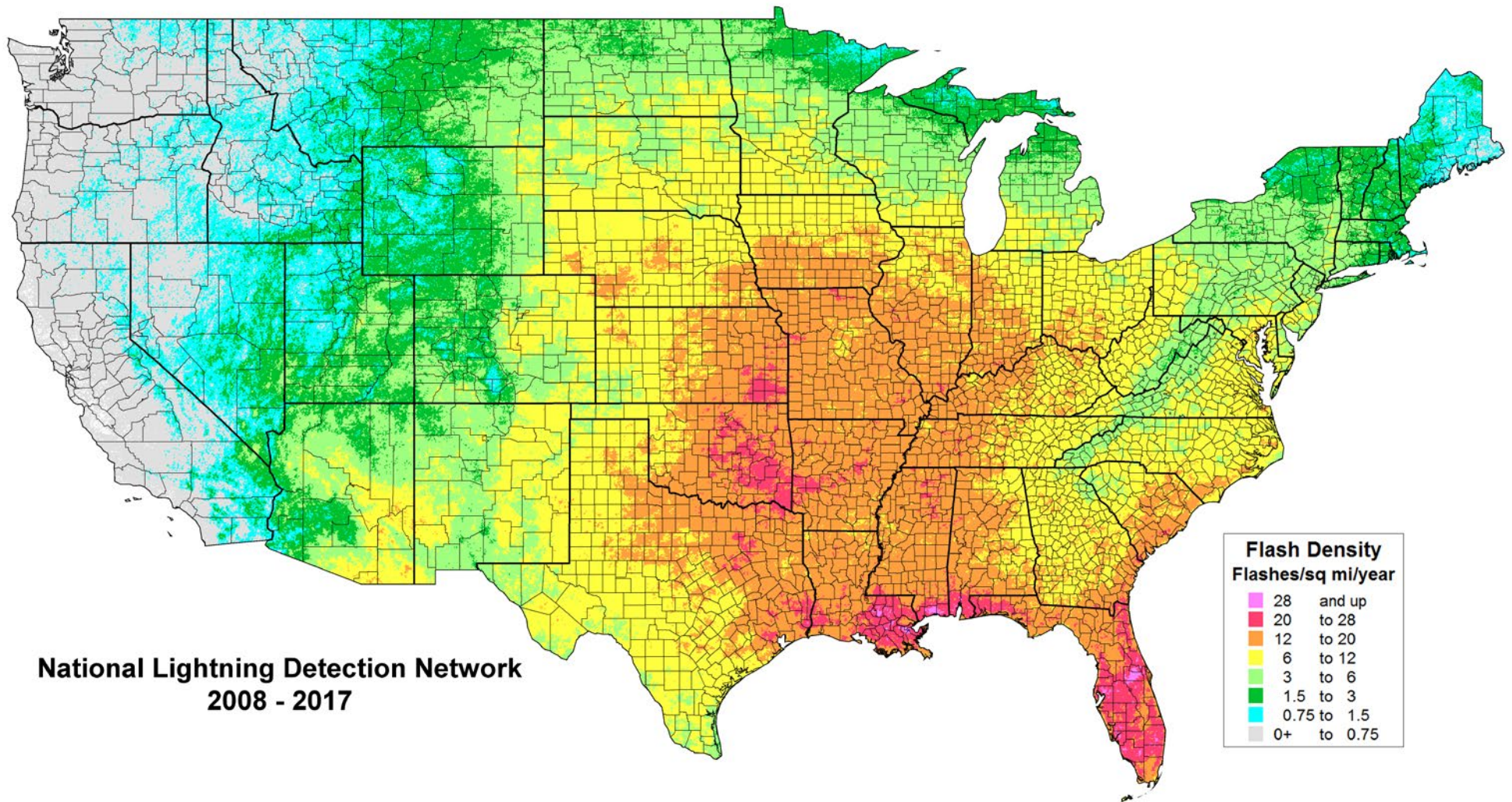
2017 Top 10 Dates for Cloud-to-Ground Lightning Flashes

Top Ten 2017 Days: Cloud-to-Ground Flashes

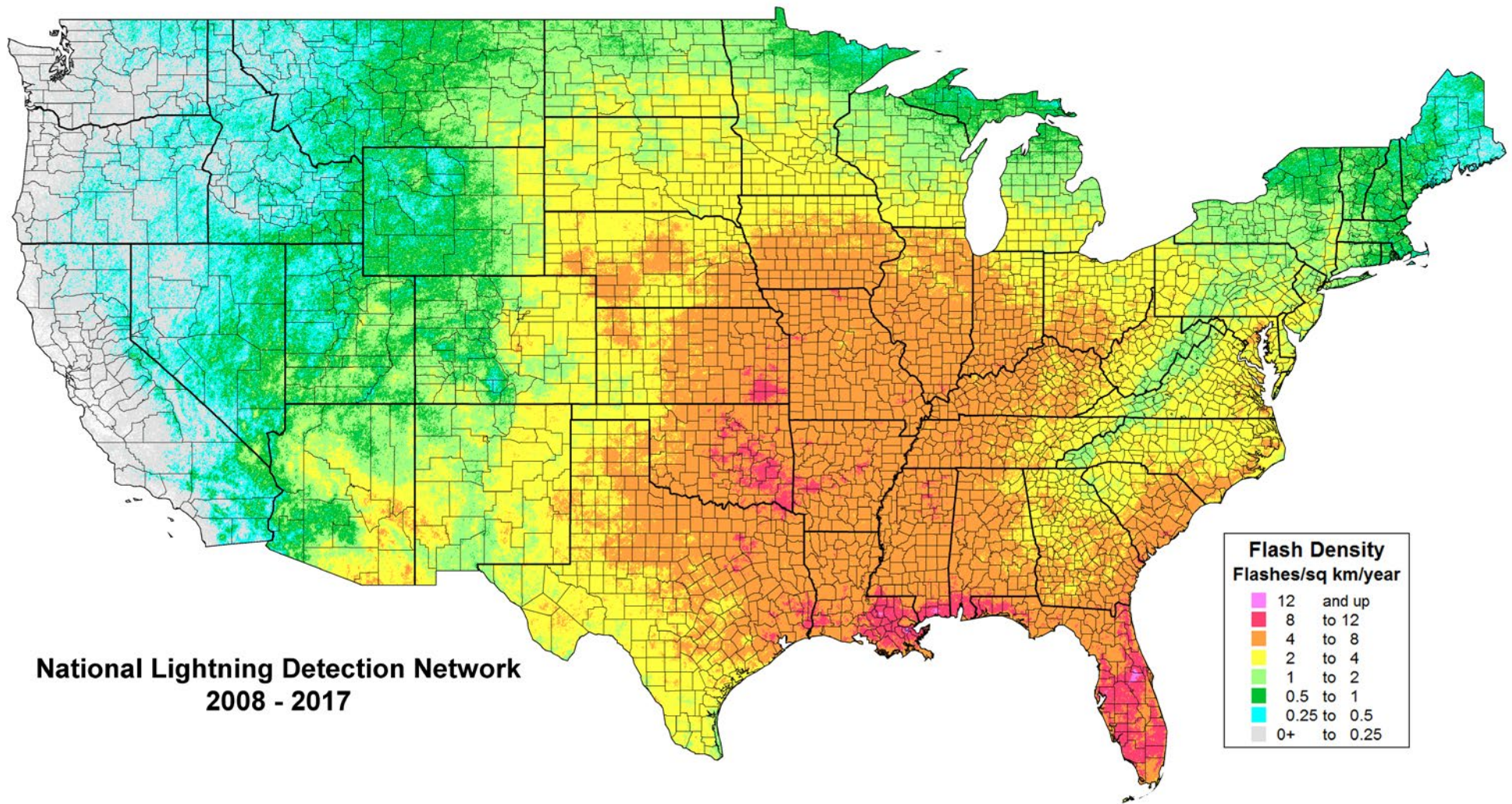
| | | |
|-----------|----------|---------|
| 1 | April 29 | 431,273 |
| 2 | April 30 | 346,686 |
| 3 | July 23 | 324,358 |
| 4 | May 20 | 282,121 |
| 5 | May 28 | 276,332 |
| 6 | May 19 | 263,616 |
| 7 | July 22 | 240,433 |
| 8 | June 18 | 215,913 |
| 9 | June 13 | 209,433 |
| 10 | April 02 | 203,858 |



U.S. Cloud-to-Ground Lightning Flash Density Map (sq mi/year)



U.S. Cloud-to-Ground Lightning Flash Density Map (sq km/year)



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