

Download How Dangerous Is Lightning Vladimir Rakov

Lightning is a violent and sudden electrostatic discharge where two electrically charged regions in the atmosphere temporarily equalize themselves, usually during a thunderstorm.. Lightning creates a wide range of electromagnetic radiations from the very hot plasma created by the electron flow, including visible light in the form of black-body radiation. In the dissipation stage, the thunderstorm is dominated by the downdraft. If atmospheric conditions do not support super cellular development, this stage occurs rather quickly, approximately 20–30 minutes into the life of the thunderstorm. Os raios, que na maioria das vezes estão associados a tempestades, são uma gigantesca faísca de eletricidade estática, através da qual um canal condutivo forma-se e cargas elétricas são transferidas. O tipo mais comum de raio ocorre no interior das próprias nuvens, embora ocorram descargas entre duas nuvens, entre a nuvem e o ar e entre a nuvem e o solo.