

## Meteor Showers

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Starry Night Education

Major Meteor Showers visible during the night where the expected Zenith Hourly Rate (ZHR) will be 10 or more, or where the rate may be variable.

### 2011 Meteor Showers

Meteor Shower	Best Date	Constellation to look towards	ZHR	Originates From
Quadrantid	January 4	Bootes	120	not known
Lyrid	April 22	Lyra	20	Comet Thatcher
Pi-Puppid	April 23	Puppis	variable	not known
Eta-Aquarid	May 6	Aquarius	60	Halley's Comet
June Bootid	June 27	Bootes	variable	not known
S. Delta-Aquarid	July 29	Aquarius	20	not known
Perseid	August 13	Perseus	90	Comet Swift-Tuttle
Aurigid	September 1	Auriga	variable	not known
Draconid	October 8	Draco	variable	not known
Orionid	October 21	Orion	20	Halley's Comet
S. Taurid	November 5	Taurus	10	not known
N. Taurid	November 12	Taurus	15	not known
Leonid	November 18	Leo	15	Comet Temple-Tuttle
Alpha-Monocerotid	November 21	Monoceros	variable	not known
Dec Phoenicid	December 6	Phoenix	variable	not known
Puppid/Velid	December 6	Puppis	10	not known
Geminid	December 14	Gemini	120	Asteroid 3200 Phaethon
Ursid	December 23	Ursa Minor	10	not known

Sources: RASC Observer's Handbook 2011 and International Meteor Organization