

Guide to Visual Meteor Showers 2019

SHOWER	START DATE	END DATE	PEAK DATES	RADIANT	ZHR	Comet Association
Quadrantids	28-Dec	06-Jan	04-Jan 02:20 UT	Bootes	60 - 200	96P Macholz (probably)
April Lyrids	18-Apr	25-Apr	22-Apr	Lyra	10	C/1861 G1 Thatcher
Eta Aquarids	19-Apr	28-May	06-May	Aquarius	40	1P/Halley
Capricornids	July	August	9, 16, 26 July	Capricorn	<5	t 169P/NEAT
Delta Aquarids	15-Jul	20-Aug	29 July, 6 Aug	Aquarius	20	96P Macholz (probably)
Alpha Capricornids	03-Jul	15-Aug	30-Jul	Capricorn	5	45P/Honda-Mrkos-Pajdusakova
Perseids	23-Jul	20-Aug	13-Aug 07:00 UT	Perseus	80	109P/Swift-Tuttle
Draconids	08-Oct	09-Oct	8-Oct 14:45 UT	Draco	10?	21P/Giacobini-Zinner,
Orionids	16-Oct	30-Oct	21 - 24 Oct	Orion	25	1P/Halley
Taurids	20-Oct	30-Nov	5, 12 Nov	Taurus	10	2P/Encke
Leonids	15-Nov	20-Nov	18-Nov 07:00 UT	Leo	20?	55P/Tempel-Tuttle
Geminids	08-Dec	17-Dec	14-Dec 14:00 UT	Gemini	100+	Asteroid 3200 Phaethon
Ursids	17-Dec	25-Dec	22 - 23 Dec	Ursa Major	10?	8P/Tuttle

ZHR: Zenithal Hourly Rate, a calculated maximum number of meteors an ideal observer would see in perfectly clear skies (reference limiting magnitude +6.5) with the shower radiant overhead. This figure is given in terms of meteors per hour.