

Guide to Visual Meteor Showers 2018

SHOWER	START DATE	END DATE	PEAK DATES	RADIANT	ZHR	Comet Association
Quadrantids	28-Dec	12-Jan	03-Jan 22:00 UT	Bootes	110	96P Macholz (probably)
April Lyrids	14-Apr	30-Apr	22-Apr 18:00 UT	Lyra	18	C/1861 G1 Thatcher
Eta Aquariids	19-Apr	28-May	06-May	Aquarius	50	1P/Halley
Alpha Capricornids	03-Jul	15-Aug	30-Jul	Capricorn	5	45P/Honda-Mrkos-Pajdusakova
Perseids	17-Jul	24-Aug	12-Aug 20:00 - 13-Aug 08:00	Perseus	110	109P/Swift-Tuttle
Delta Aquariids	12-Jul	23-Aug	30-Jul	Aquarius	25	96P Macholz (probably)
Alpha Aurigids	28-Aug	05-Sep	01-Sep	Auriga	6	
Southern Taurids	10-Sep	20-Nov	10-Oct	Taurus	5	2P/Encke
Northern Taurids	20-Oct	10-Dec	12-Nov	Taurus	5	2P/Encke
Orionids	13-Nov	06-Dec	28-Nov	Orion	3	1P/Halley
Leonids	06-Nov	30-Nov	17-Nov 22:30 UT	Leo	15	55P/Temple-Tuttle
Geminids	04-Dec	17-Dec	14-Dec 12:30 UT	Gemini	120	Asteroid 3200 Phaethon
Ursids	17-Dec	26-Dec	22-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.

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

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Guide to Visual Meteor Showers 2020

SHOWER	START DATE	END DATE	PEAK DATES	RADIANT	ZHR	Comet Association
Quadrantids	27-Dec	10-Jan	03 - 04 January	Bootes	120	2003 EH (Asteroid)
April Lyrids	16-Apr	30-Apr	21 - 22 April	Lyra	18	C/1861 G1 Thatcher
Eta Aquarids	19-Apr	28-May	04 - 05 May	Aquarius	40	1P/Halley
Capricornids	03-Jul	15-Aug	29 - 30 July	Capricorn	<5	t 169P/NEAT
Delta Aquariids	12-Jul	23-Aug	29 - 30 July	Aquarius	20	96P Macholz (probably)
Alpha Capricornids	03-Jul	15-Aug	29 - 30 July	Capricorn	<5	t 169P/NEAT
Perseids	17-Jul	26-Aug	11 - 12 August	Perseus	100	109P/Swift-Tuttle
Draconids	06-Oct	10-Oct	8-Oct 12:30 UT	Draco	10+	21P/Giacobini-Zinner,
Orionids	02-Oct	07-Nov	21 - 22 Oct	Orion	25	1P/Halley
Taurids	20-Oct	10-Dec	11 - 12 Nov	Taurus	5	2P/Encke
Leonids	06-Nov	30-Nov	16 - 17 Nov	Leo	15	55P/Tempel-Tuttle
Geminids	04-Dec	17-Dec	13 - 14 Dec	Gemini	150	3200 Phaethon (Asteroid)
Ursids	17-Dec	26-Dec	22 - 23 Dec	Ursa Major	10	8P/Tuttle

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