

QUARTERLY CALENDAR OF EVENTS

Quarterly Calendar

The following is a list of important dates for EME enthusiasts.

Nov. 1	Moderate EME conditions.	Jan. 1	Moon perigee.
Nov. 2	Full Moon.	Jan. 3	Excellent EME conditions.
Nov. 7	Moon perigee.	Jan. 4	<i>Quadrantids</i> meteor shower.
Nov. 8	Good EME conditions.	Jan. 7	Moon last quarter.
Nov. 9	Moon last quarter.	Jan. 10	Poor EME conditions.
Nov. 15	Moderate EME conditions.	Jan. 15	New Moon.
Nov. 16	New Moon.	Jan. 15	Solar eclipse.
Nov. 17	Leonids meteor shower.	Jan. 17	Moon apogee. Poor EME conditions.
Nov. 22	Moon apogee. Poor EME conditions.	Jan. 23	Moon first quarter.
Nov. 24	Moon first quarter.	Jan. 24	Moderate EME conditions.
Dec. 2	Full Moon.	Jan. 30	Moon perigee.
Dec. 4	Moon perigee.	Jan. 30	Full Moon.
Dec. 6	Excellent EME conditions.	Jan. 31	Excellent EME conditions.
Dec. 9	Moon last quarter.	Feb. 5	Moon last quarter.
Dec. 13	<i>Geminids</i> meteor shower. Poor EME conditions.	Feb. 7	Poor EME conditions.
Dec. 16	New Moon.	Feb. 13	Moon apogee.
Dec. 20	Moon apogee. Poor EME conditions.	Feb. 14	New Moon. Poor EME conditions.
Dec. 21	Winter Solstice.	Feb. 21	Poor EME conditions.
Dec. 22	<i>Ursids</i> meteor shower.	Feb. 22	Moon first quarter.
Dec. 24	Moon first quarter.	Feb. 27	Moon perigee.
Dec. 27	Moderate EME conditions.	Feb. 28	Full Moon. Moderate EME conditions.
Dec. 31	Full Moon.		
Dec. 31	Lunar eclipse.		

—*EME conditions courtesy W5LUU.*

Current Meteor Showers

November: The *Leonids* is predicted to peak around 1715 UTC on November 17. As with last year's shower, this year's peak may go largely unnoticed.

December: Two showers occur this month. The first, the *Geminids*, is predicted to peak around 0510 UTC on December 14. The actual peak can occur 2.5 hours before or after the predicted peak. It has a broad peak and is a good north-south shower producing an average of 120 meteors per hour at its peak.

The second, the *Ursids*, is predicted to peak around 1330 UTC on December 22. It is an east-west shower, producing an average of no more than 10 meteors per hour, with the very rare possibility of upwards of 90 meteors at its peak.

January: The *Quadrantids*, or *Quads*, is a brief but very active meteor shower. The expected peak is on January 3–4, with up to 40 meteors per hour at its peaks. The actual peak can occur three hours before or after the predicted peak. The best paths are north-south. Long-duration meteors can be expected about one hour after the predicted peak.

For more information on the above meteor shower predictions see Tomas Hood, NW7US's propagation column in this issue. Also visit the International Meteor Organization's website: <<http://www.imo.net>>.

Current Contests

November: The **ARRL 2.3 GHz and UP EME Contest** will be held on November 7–8, 2009.

January: The ARRL VHF Sweep-

stakes is scheduled for the weekend of January 16–18, 2010.

For ARRL contest rules, see the issue of *QST* prior to the month of the contest or the URL: <<http://www.arrl.org>>.