

January

3rd 4th Quadrantids Meteor Shower.
Radiating from the constellation Bootes
10th Full Moon. 19:23 UTC
10th Penumbral Lunar Eclipse
24th New Moon 21:44 UTC

May

6th 7th Eta Aquarids Meteor Shower.
Radiating from the constellation
Aquarius
7th Full Moon, Supermoon. 10:45 UTC
22nd New Moon. 17:39 UTC

July

5th Full Moon. 04:44 UTC
5th Penumbral Lunar Eclipse
14th Jupiter at Opposition
20th New Moon. 17:33 UTC
20th Saturn at Opposition
22nd Mercury at Greatest Western
Elongation. 20.1°
28th 29th Delta Aquarids Meteor
Shower. Radiating from the
constellation Aquarius.

September

2nd Full Moon. 05:23 UTC
11th Neptune at Opposition
17th New Moon. 11:00 UTC
22nd September Equinox. 13:31 UTC

February

9th Full Moon, Supermoon. 07:34 UTC
10th Mercury at Greatest Eastern
Elongation 18.2°
23rd New Moon. 15:33 UTC

October

1st Full Moon. 21:06 UTC
1st Mercury at Greatest Eastern
Elongation. 25.8°
7th Draconids Meteor Shower. Radiating
from the constellation Draco
13th Mars at Opposition
16th New Moon. 19:32 UTC
21st 22nd Orionids Meteor Shower.
Radiating from the constellation Orion
31st Full Moon, Blue Moon. 14:51 UTC
31st Uranus at Opposition.

March

9th Full Moon, Supermoon. 17:48 UTC
20th March Equinox. 03:50 UTC
24th New Moon. 09:29 UTC
24th Mercury at Greatest Western
Elongation. 27.8°
24th Venus at Greatest Eastern
Elongation. 46.1°

November

4th 5th Taurids Meteor Shower.
Radiating from the constellation Taurus
10th Mercury at Greatest Western
Elongation. 19.1°
15th New Moon. 05:08 UTC
17th 18th Leonids Meteor Shower.
Radiating from the constellation Leo
30th Full Moon. 09:32 UTC.
30th Penumbral Lunar Eclipse.

April

8th Full Moon, Supermoon. 02:35 UTC
22nd 23rd Lyrids Meteor Shower.
Radiating from the constellation Lyra
23rd New Moon. 02:27 UTC

June

4th Mercury at Greatest Eastern
Elongation. 23.6°
5th Full Moon. 19:12 UTC
5th Penumbral Lunar Eclipse
21st New Moon. 06:42 UTC
21st Annular Solar Eclipse
22nd June Solstice

August

3rd Full Moon. 15:59 UTC
12th 13th Perseids Meteor Shower.
Radiating from the constellation
Perseus
13th Venus at Greatest Western
Elongation. 45.8°
19th New Moon. 02:42 UTC

December

13th 14th Geminids Meteor Shower.
Radiating from the constellation Gemini
14th New Moon. 16:18 UTC
14th Total Solar Eclipse
21st December Solstice. 10:02 UTC.
21st Rare Conjunction of Jupiter and
Saturn.
21st 22nd Ursids Meteor Shower.
Radiating from the constellation Ursa
Minor
30th Full Moon. 03:30 UTC

2020

ASTRO

Hidden Freebie: Everyone who emails info@npae.net with "Hidden Freebie" in the subject line is entered into our prize draw for a Theia filter changer -- as owned by Damian Peach. Read his review on our website. Closes 30/06/2020

CALENDAR



nPAE
PRECISION ASTRO ENGINEERING