



Space, Astronomy and Astrophotography

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Space and Astronomy



Planning an Astronomy & Astrophoto Session

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- WHAT do I wish to observe?
- WHERE is it visible?
How do I get there?
How long does it take to get there?
- WHEN is it visible?
- HOW do I see it (or take a picture of it)?
What *equipment* do I need?
How will I use it?
- Check the WEATHER!

Astronomical Atlas and Apps

- Starry Night by Celestron
- Google?...
- Moon Apps (*Moon, Moon Phases...*)

Photography Apps

- Apps that help us predict the motion of the Sun, Moon and Milky Way

Example 1

The Moon

1. Choose a location
2. Check Moon phase (*Moon* or *Moon Phases* app)
3. Check moonrise and moonset times *at the location*
4. Check the weather
5. Choose equipment for observation and picture taking
6. Go there and set up everything
7. ... Wait for the right time

Example 2

Jupiter

1. Choose a location
2. Check rise and set times *at the location* (*Starry Night* computer app)
3. Check the weather
4. Choose equipment for observation and picture taking
5. Go there and set up everything
6. ... Wait for the right time

Example 3

Milky Way

1. Choose a location
2. Check rise and set times *at the location (The Photographer's Ephemeris)*
3. Check the weather
4. Choose equipment for observation and picture taking
5. Go there and set up everything
6. ... Wait for the right time