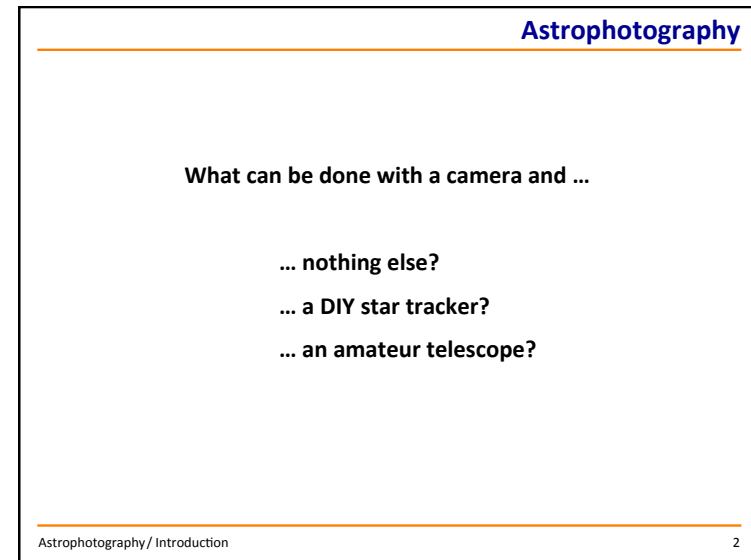
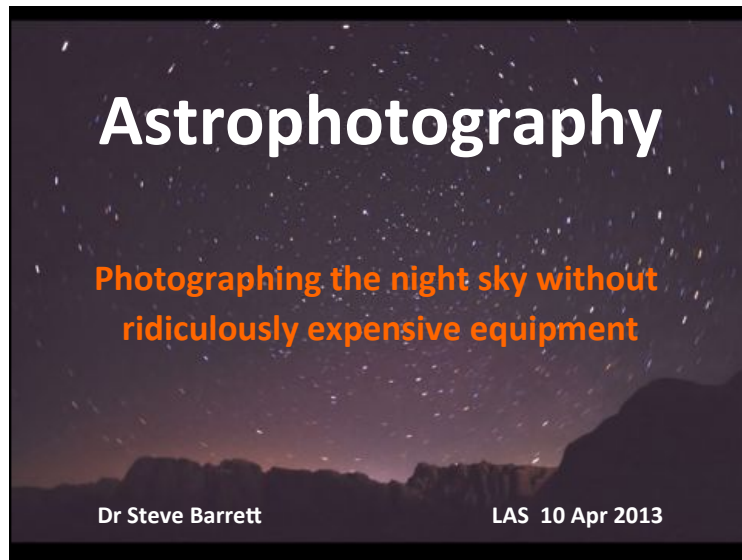


# Astrophotography



# Astrophotography

Aurora Borealis



Astrophotography/ Fixed / Aurora Borealis

5

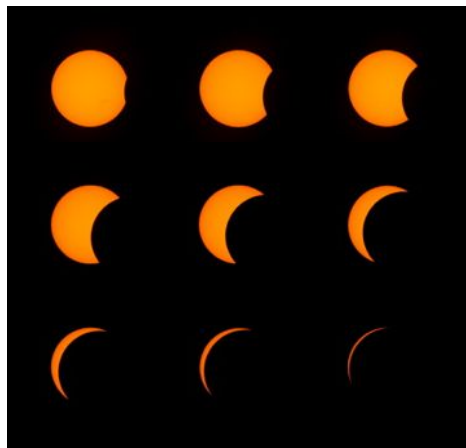
Aurora Borealis



Astrophotography/ Fixed / Aurora Borealis

6

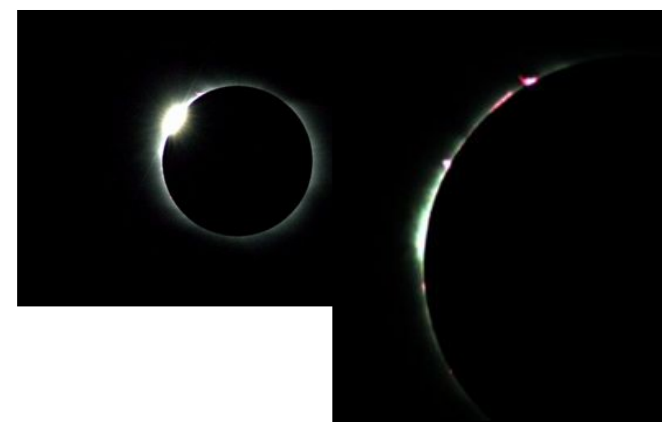
Solar Eclipse



Astrophotography/ Fixed / Solar Eclipse

7

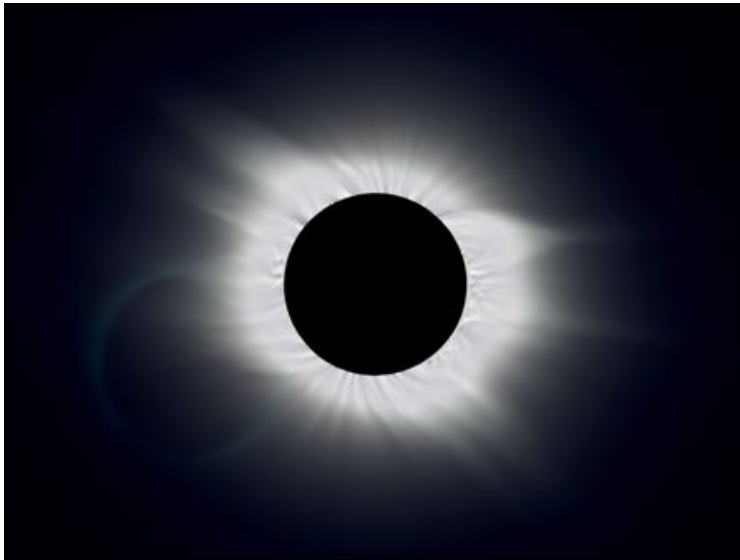
Solar Eclipse



Astrophotography/ Fixed / Solar Eclipse

8

# Astrophotography



## Star Trails



Astrophotography/ Fixed / Star Trails

10

## Tracking the Stars

How can the sky be photographed without the stars trailing?  
Build a device to compensate for the Earth's rotation — a star tracker.

### Ideally... For K2 this means...

|                   |                               |
|-------------------|-------------------------------|
| Compact           | Footprint no larger than A4   |
| Light             | Less than 1 kg                |
| Strong            | Able to support a digital SLR |
| Accurate          | Exposures of up to 15 minutes |
| Battery operated  | AA batteries                  |
| Low power         | Run for ~ 6 hours             |
| Cheap             | Cost < £50 for all components |
| Easy to construct | Manual tools (no workshop)    |

Astrophotography/ Star Tracker

11

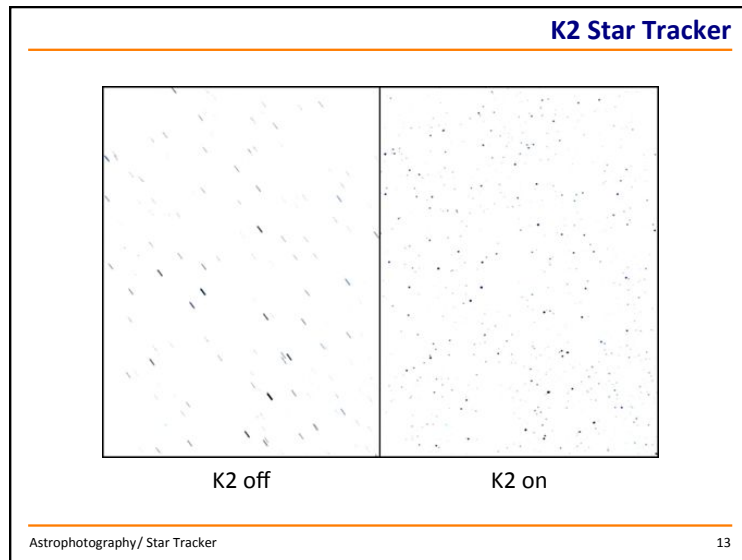
## K2 Star Tracker



Astrophotography/ Star Tracker

12

# Astrophotography





# Astrophotography

Saturn Video



Astrophotography/ Telescopes / Saturn

17

Orion Nebula



Astrophotography/ Telescopes / M42 Orion Nebula

18

Pleiades Cluster



Astrophotography/ Telescopes / Piggy-Backing / M45 Pleiades

19

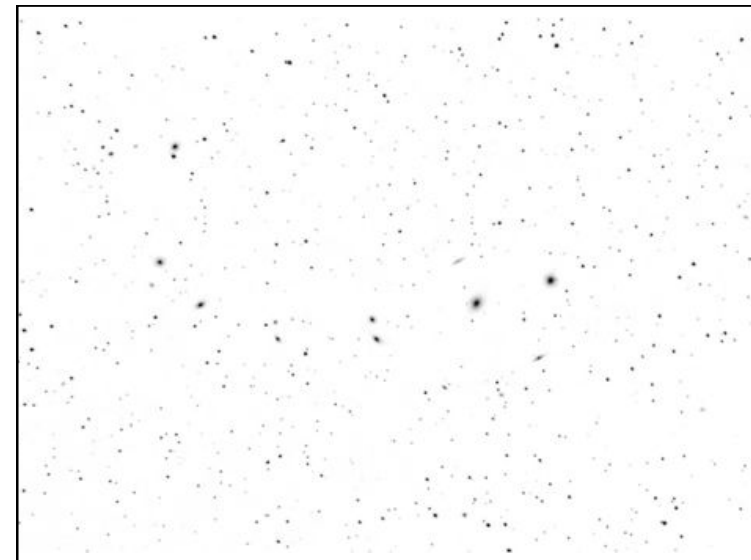
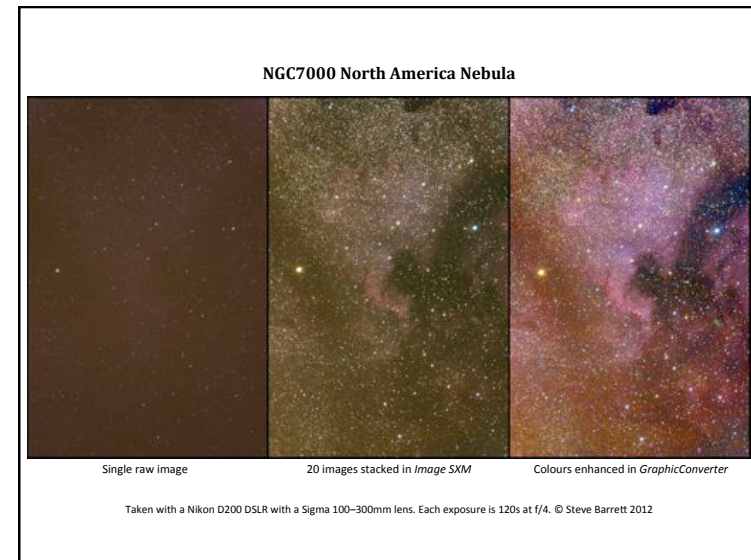
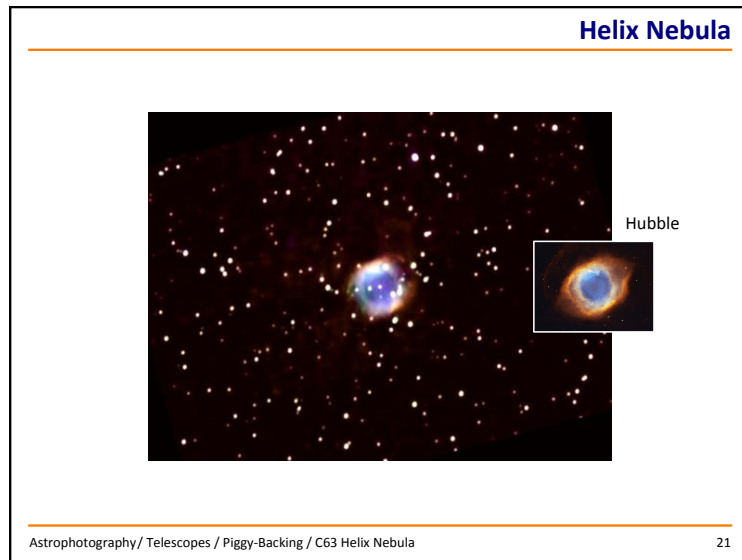
Andromeda Galaxy



Astrophotography/ Telescopes / Piggy-Backing / M31 Andromeda Galaxy

20

# Astrophotography



# Astrophotography

