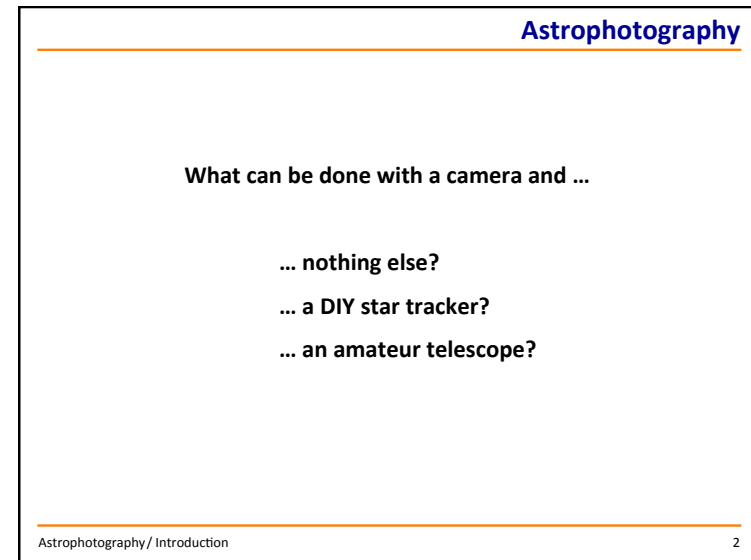
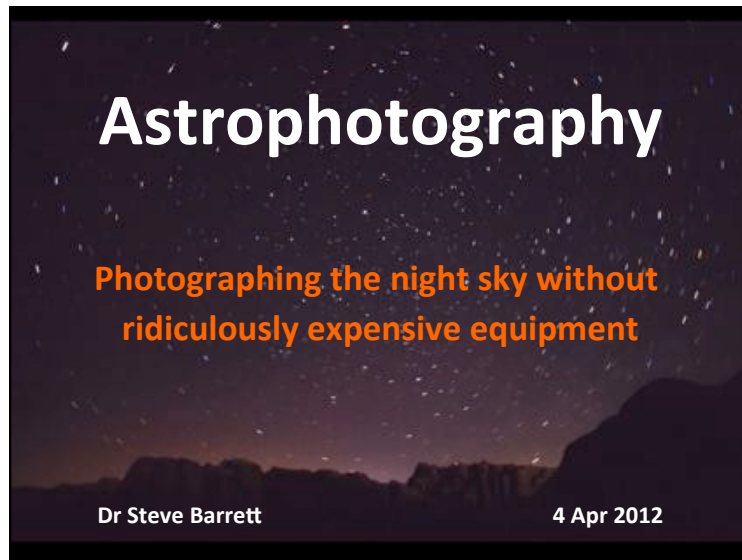
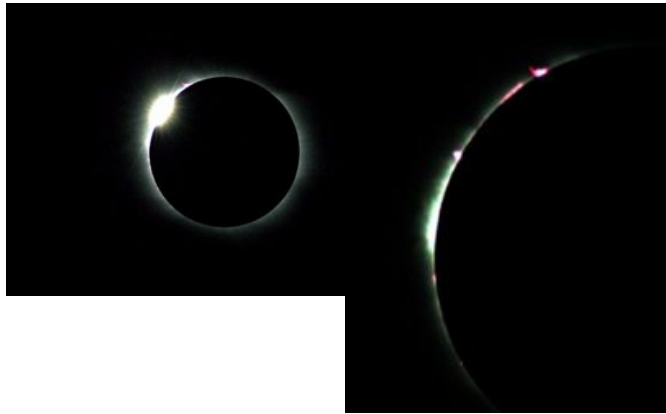


Astrophotography



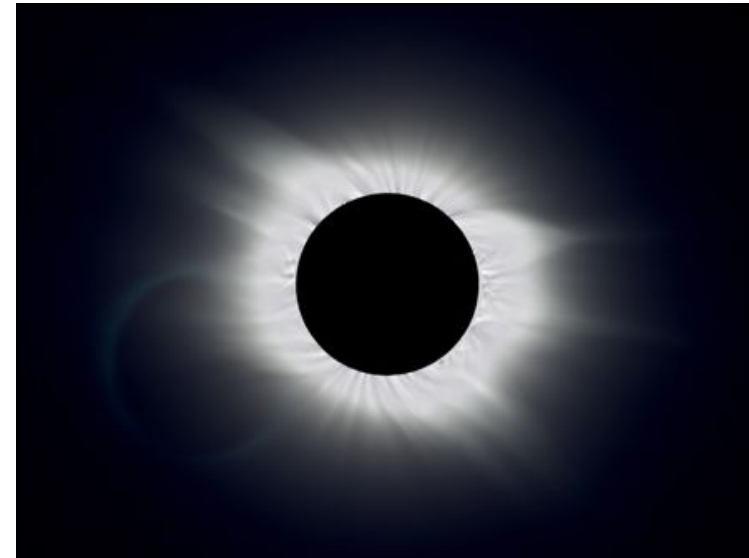
Astrophotography

Solar Eclipse



Astrophotography/ Fixed / Solar Eclipse

5



Star Trails



Astrophotography/ Fixed / Star Trails

7

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...

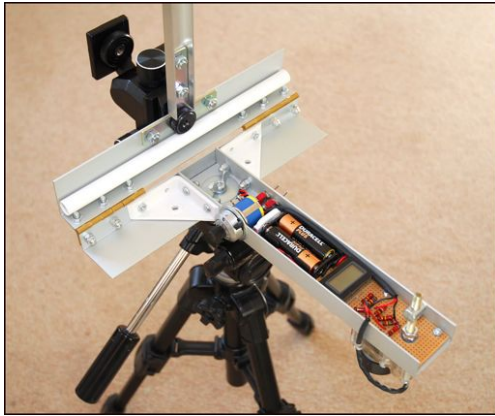
Compact	Footprint no larger than A4
Light	Less than 1 kg
Strong	Able to support a digital SLR
Accurate	Exposures of up to 15 minutes
Battery operated	AA batteries
Low power	Run for ~ 6 hours
Cheap	Cost < £50 for all components
Easy to construct	Manual tools (no workshop)

Astrophotography/ Star Tracker

8

Astrophotography

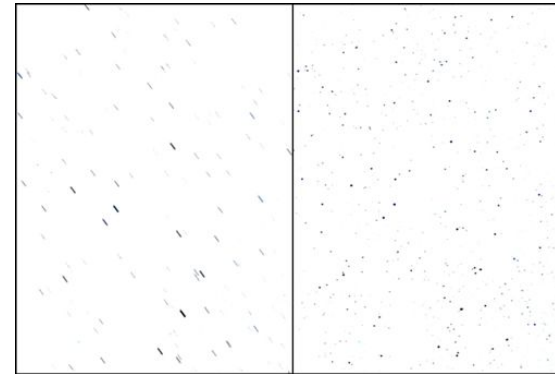
K2 Star Tracker



Astrophotography/ Star Tracker

9

K2 Star Tracker



K2 off

K2 on

Astrophotography/ Star Tracker

10

Tracking the Stars



Telescopes



Astrophotography/ Telescopes

12

Astrophotography



Saturn Video



Astrophotography/ Telescopes / Saturn

14

Orion Nebula



Astrophotography/ Telescopes / M42 Orion Nebula

15

Pleiades Cluster



Astrophotography/ Telescopes / Piggy-Backing / M45 Pleiades

16

Astrophotography

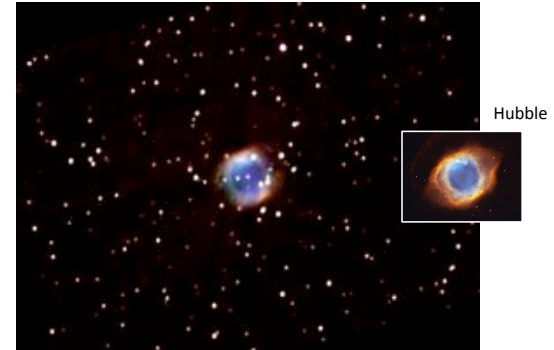
Andromeda Galaxy



Astrophotography/ Telescopes / Piggy-Backing / M31 Andromeda Galaxy

17

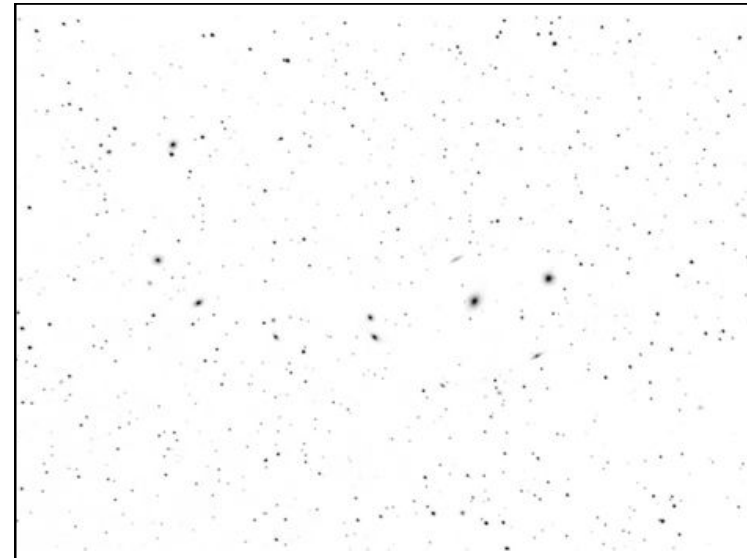
Helix Nebula



Astrophotography/ Telescopes / Piggy-Backing / C63 Helix Nebula

18

Markarian's Chain



Astrophotography

