My Astronomical software and Android Applications

Handy Software

* Stellarium + Stellarium mount

* Gimp image processor (freeware)

* Deep sky stacker (freeware) (deep sky objects)

* Registax 4,5,or 6 (freeware) (planets, moon, etc.)

* Canon Digital Photo Professional (free with Canon cameras.

* Canon EOS utility (remote control of camera). (free with Canon cameras).

* Astro photography tool (APT) V:2.2 (Camera and scope control).

* EQMOD/EASCOM   (camera/mountcontrol software). (freeware)

* Photodirector 3 (image processor) (free cover disk)

* PHD (autoguiding software) (freeware)

* EOS movie record (freeware)

* PIPP (Planetary Imaging Pre-Processor)(freeware)

* Astro planner (free cover disk on Sky at Night Mag)

Sky maps and planning programmes.

* **Stellarium + Stellarium mount**

    • Excellent free planetarium programme.

    • Can be configured to give ocular and camera frame views.

    • Can control the mount directly.

* **Astro planner**

    • Enables observing sessions to be planned and recorded.

    • Enables most efficient use of time.

    • Shows best times for observing and recording objects.

Camera control and Image capture software

* **Canon EOS utility :**

  • (remote control of camera). (free with Canon cameras).

* **Astro photography tool (APT) V:2.2**

  • Enables remote control of camera from laptop with multiple settings possible. Can save files direct to hard drive.

* **EOS movie record :**

  • recording of video at 5x magnification on Canon live view cameras. Saves files in AVI format.

Mount control software

* **EQMOD / EASCOM**
  * Free programme which enables hardware to talk to each other.
  * Enables various programmes to control the mount, focuser, etc.

* **Astro photography tool (APT) V:2.2**
  * Mount can be controlled via EQMOD. Also enables control of focuser / filter wheel as part of programmed exposures.

* **Stellarium + Stellarium mount**
  * Enables Stellarium to control the mount via EQMOD

* **Astro planner**
  * Can control the mount via EQMOD. Enables planning and recording of observing sessions.

* **PHD (autoguiding software) (freeware)**
  * Enables long exposure photography.

Image processing programmes

* **Deep Sky Stacker**
  * Used to stack light/dark and flat frames

* **GIMP**
  * Free processing programme that has many of the features of photoshop.

* **Photodirector 3**
  * Less complicated processing programme.

* **Canon Digital Photo Professional**
  * Comes free with Canon cameras. Simple processing programme.

Video Processing software

* **Planetary Image Pre-Processor (PIPP)**
    * Converts files from MOV to AVI
    * Removes unwanted frames to reduce file size.
    * Puts frames into quality order
    * Has Moon / Planet (full and part) and ISS settings.

* **Registax 4, 5 or 6**
    * Stacks AVI video files.
    * Also has excellent wavelet sharpening feature.

Android Applications

* Mobile Observatory

* Stellarium mobile

* Sky Portal (Celestron)

* Night sky tools

* NASA

* Satellite AR

* GPS Essentials

* Polar finder

* Level

* Compass

Planetarium / astro information

ISS times + other info

Lat./long./date/time/moon rise and set/etc.

Set up information

Mobile Observatory 1

Mobile Observatory 2

Sky Portal

Stellarium

Night sky Tools

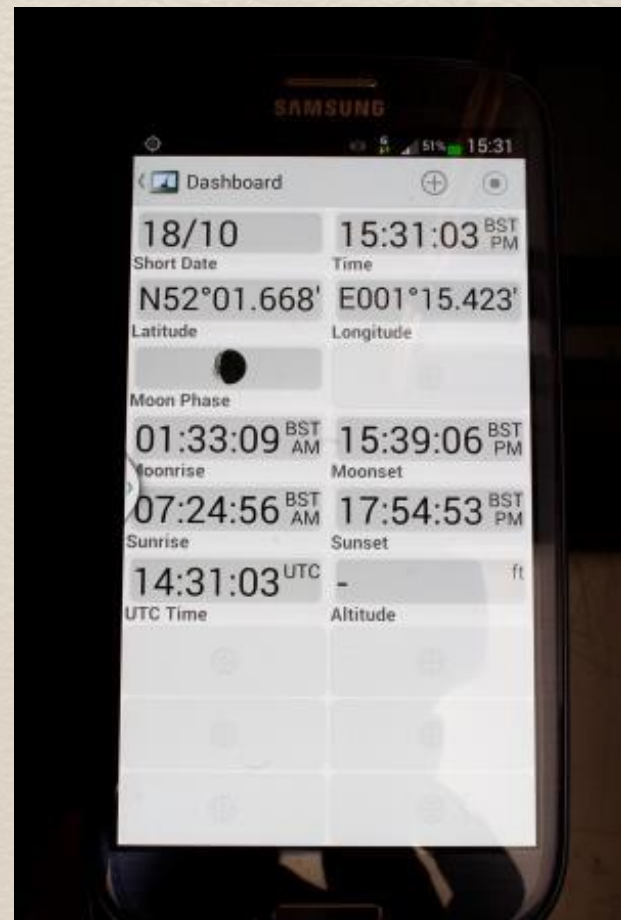# Polar Finder

GPS Esentials

BBC Weather

Met Office

NASA

Satellite AR

Compass

Level