

The AP Master Software List

[Astro Art 6.0](#) - A complete software package for image processing, camera and telescope control, photometry, astrometry and image stacking.

[AstroGuider](#) - AstroGuider is a simple to use guiding application for your telescope mount. It can be calibrated semi-automatically or manually, you do not need to take care about camera orientation or pixel scale. **(OSX)**

[AstroImager](#) - AstroImager is a powerful, but easy to use image capture application for the astrophotography. **(OSX)**

[Astro Planner](#) - for planning/logging/visualizing astrophotography sessions

[Astronomer Control Panel](#) - Remote imaging software.

[AstroTelescope](#) - AstroTelescope is a simple planetarium and telescope control application for the astrophotography. **(OSX)**

[Astrotortilla](#) - calibrate your Goto tracking mount, Goto any target with arcsecond accuracy and measure your polar alignment error

[Autostakkert! 2](#) - Planetary video stacking software

[Backyard EOS](#) - For camera control, easily the best \$\$ you'll spend on AP software.

[CCD Imaging Calculators](#) - For calculating all things related to CCD imaging (FOV/pixel size/etc)

[CCD Stack](#) - Stacking software for CCD images

[CCDOPS](#) - The software that comes with SBIG CCD cameras also available separately.

[DeepSkyStacker](#) - For stacking multiple exposures together into one image.

[digiCamControl](#) - Free camera control for those with Nikon DSLRs.

[DSLR Shutter](#) - Free sequence capture control for Mac/PC + lots of DSLRs. You need a shutter control interface, like [this one](#) in order to use this with a Nikon however.

[EQMOD](#) - a suite of open source applications that can provide an alternative to the hand controller

[FireCapture](#) - Simple image capturing software that resizes video resolution automatically & has auto align & dark frame reduction features

[FITS Liberator](#) - FIT > TIFF file converter

[Gemini Controller Software](#) - For those that use Gemini controlled mounts

[GIMP](#) - post processing/image editing software

[iMerge](#) - Used for one click image stitching with border feathering & Histogram

[IrfanView](#) - IrfanView is a very fast, small, and compact free the graphics viewer for Windows 9x, ME, NT, 2000, XP, 2003, 2008, Vista, Windows 7, Windows 8, Windows 10.

[Lin Guider](#) - guiding for Linux

[Lunar Phase Pro](#) - An interactive Moon Atlas – this is a moon observer's software toolkit designed to help you learn about the Moon and make your lunar observing and imaging sessions more productive.

[Lykeos](#) - free planetary stacker **(OSx)**

[MaximDL](#) - Great CCD Camera control software and decent processing power too.

[MicroObservatory](#) - A piece of software that is meant to be used to process images from MicroObservatory.org, it's not really good for much else, but it does a damned good job of teaching people the basics of processing RGB FITS data.

[Microsoft ICE](#) - mosaic/composite image stitching software

[Nebulosity 4](#) - \$95 capture and processing software for Mac/PC. Supports a bunch of Canon DSLRs and astro cams.

[MODAS](#) – Modern Optical Design and Analysis Software. It is telescope design software of the most popular telescope systems used by the amateur astronomers and telescope makers,

[PEMPro](#) - periodic error correction, polar alignment and backlash using your CCD Camera or Webcam

[PHD1 PHD2](#) - Guiding software to correct mount errors for longer exposures.

[Photoshop CS2](#) - free from Adobe but requires you to make an Adobe ID

[PIPP](#) - Planetary imaging preprocessor, good for shaving down file sizes with cropped, stabilized planetary shots

[PixInsight](#) - postprocessing software

[Registax](#) - planetary video processing/stacking software

[sbigControl](#) - relatively cheap SBIG camera control program. can drive sbig adaptive optics devices.

[Sequence Generator Pro](#) - image capture suite for astrophotography.

[SharpCap 2](#) - Flexible image capturing software, records in raw, uncompressed files

[SkySolve](#) - Plate Solving software.

[Sofortbild](#) - Free capture control for **Mac** + Nikon.

[StarStax](#) - used for creating star trail images

[StarTools](#) - postprocessing software written by [/u/verylongtimelurker](#)

[Stellarium](#) - Free software that lets you input your coordinates and will show you when objects will be up and at what time.

[Stellar Magic](#) - a comprehensive yet easy to use program for processing astronomical images contains over 100 different image processing operations.

[Virtual Dub](#) - video converting software, requires plugin for .MOV > .AVI

[Winjupos](#) - planetary processing software for derotation/mapping/planetary moon alignment

Plugins for Photoshop:

[Annie's Action](#)

[Carboni's Action Set](#)

[Hasta La Vista Green](#)

[RGBc](#)

[WhiteCal](#)

Plugins for GIMP:

[Fix CA](#)

[GIMP Astronomy Plugins](#)

[Purple Fringe Fix](#)

Resource for Mac and UNIX software

(No guarantees the links are up to date or even active) scroll down to the Mac and UNIX sections

[Midnight Kite](#) - Astronomy Software Freeware, Shareware, and Commercial Software