

## Setting Autoguiders

*AutoGuiding in Astrophotography with PHD2 | A Full Beginner Tutorial* Auto-Guider-Tutorial—SkyGuider-Pro-and-Star-Adventurer Mount and Auto Guider Setup Auto guider and PHD2 Setup from Backyard Astronomy at Dreamworld Observatory How to setup Autoguiding in PHD2 Autoguiding-tutorial-(PHD2) AutoGuiding with PHD2 and a Guide-Scope | Tutorial PHD2-Guiding-Setup,-Troubleshooting-&026-Tips How to Use an Autoguiders-Orion Telescopes-&026-Binoculars ZWO ASI Air Tutorial: Autoguiding &026 Dithering Orion StarShoot AutoGuider Review Star Hopping #29 - Astrophotography using an AutoGuider Auto Guiding With PHD2 *Astrophotography Guiding Bundle Review | Affordable Guidance!* **PHD2 Guiding - Teil2** **Einschneuern (Drift Align), Anleitung zum einnorden von Teleskopen mit PHD2. How to Photograph the International Space Station (ISS) Pushing the exposure length with auto-guiding on the ASI AIR pro** What is ASCOM anyway? Get Excellent Guiding with PHD2 - Advanced PHD2 adjustments - Part3 **Capturing the Whirlpool Galaxy from my iPad with the ASI AIR pro** Must have accessories for astrophotography Stellarium Mount Control (2020)—Day and Night use! My New Autoguiding Camera (ZWO-ASH20MM-Mini) for PHD Guiding

Beginners guide to setting up and using ASCOM to control your astrophotography gear - Part One**EQASCOM: Autoguiding** ASI-Air-PRO-Tutorial-and-review.-Best-new-device-for-astrophotography-in-years?-iPad-astronomy Astrophotography-Guiding—What,-Why-and-How Setting-Up-An-Off-Axis-Guider Get Excellent guiding with PHD2 - What is PHD Guiding , How to use PHD2 for Autoguiding - Part1 *My-2020-Astrophotography-Setup* **Setting Autoguiders** My Process. Attach 60mm Guide Scope to finder shoe of the primary imaging telescope. Install Altair GPCAM2 camera to the guide scope. Connect camera to computer via USB 2.0 A-male to B-male cable. Start PHD2 Guiding and Connect to Camera and Mount. Slew to your deep-sky target, center, and frame ...

### Autoguiding a Telescope for Deep Sky Astrophotography ...

The Left, Top, Width, and Height controls set the subframe area used for the Expose and Calibrate modes. These can be set from the image using the mouse and a previously acquired autoguiders image: hold down the left button and drag the mouse on the Autoguiders Image while the Autoguiders Settings dialog is open to this page.

### Guider Settings - Diffraction Limited

Orion Awesome AutoGuider Refractor Telescope Package Use this complete autoguiding solution to add tracking accuracy to any astrophotography set-up. Includes everything you need to autoguiders: ShortTube 80 guide scope, StarShoot AutoGuider, guide scope rings and plate, and extension tube.

### How To Use an Autoguiders | Orion Telescopes: Videos

Learn how to use an auto-guiders with your SkyGuider Pro or Star Adventurer! We'll cover which auto-guiders works best, how to attach your auto-guiders, and how...

### Auto-Guider Tutorial - SkyGuider Pro and Star Adventurer ...

A lower setting will make the autoguiders corrections more stable and prevent overcorrection. In most cases it is recommended that you use a setting no higher than 8. For mounts with very smooth tracking you may wish to back the aggressiveness down to 3; this has the advantage of smoothing the guiders corrections, effectively averaging successive guiders measurements.

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My best suggestion in setting this value is about 75% the image scale in which you are imaging. For example, if you are imaging at 1.2" asp, then set this value to 0.9" asp. This way a guiders correction is only sent when the centroid of the guide star is 0.45" asp off in either the X or Y axis from the selected guide star position.

### AutoGuider Calculator V4.00

5 Tips for Better PHD2 Guiding. PHD2 is a telescope autoguiding software that automates the process of tracking a guide star. This is an important aspect of deep sky astrophotography because it allows you to focus on capturing successful long exposure images and get the most out of your telescope mount.. PHD2 is easy enough for a beginner to use right away, yet also includes sophisticated ...

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An autoguiders is a digital camera with a CCD or CMOS detector at the focus of the guidescope or, in the case of an off-axis guiders, at the focus of the imaging instrument after some of its light has been diverted by a small prism.

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In order to actual do the 'auto-guiding', you'll need a free application - PHD2 . This program has two main functions. First, it will find a guide star and lock on. After a guide star has been selected, PHD2 can send commands to your star tracker, which should keep the guide star centered in the crosshairs.

### Peter Zelinka | Auto-Guiding with the SkyGuider Pro

Guiding with the Starlight Xpress software. With the Lodestar X2 connected to the PC and mount, open 'Lodestar X2.exe' and find the 'Set program defaults' menu under the 'File' heading. If this is the first run of the software, you will get a warning about the 'ini file not found', but ignore this and click on OK.

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