Gain & Offest Setting for QHY8

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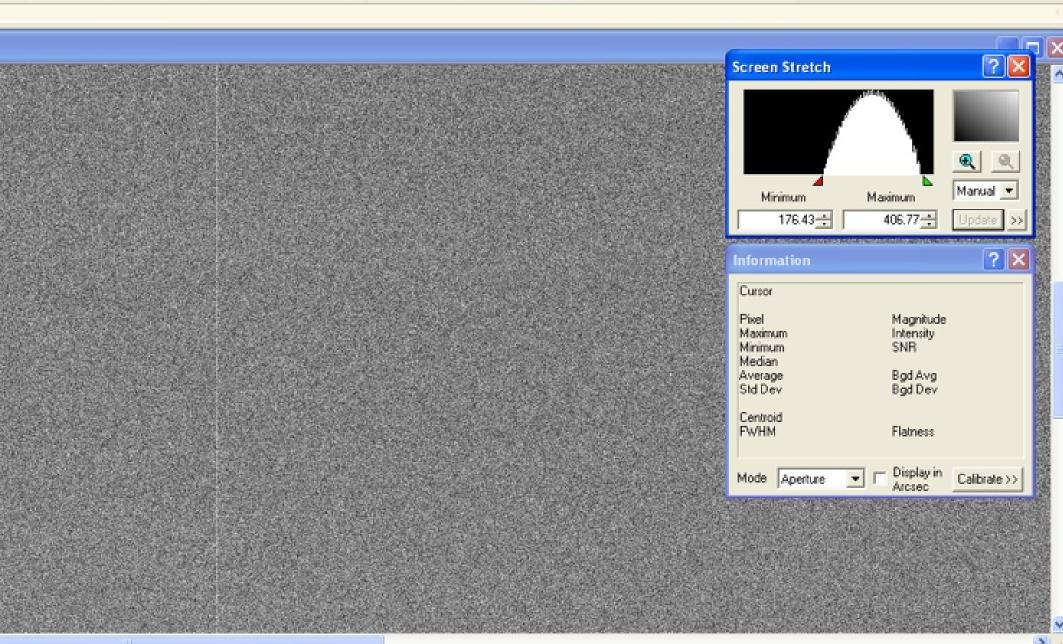
Finding Offset/Gain

- * 1st: connect CCD (QHY8) to your PC (Software usually used to take your images) and start cooling.
- * 2nd: wait min. 30min, between set your gain and offset you always use or, set gain to 50 and offset to 125
- * 3rd: Your CCD camera must be covered the hole time, or best for cooling put your CCD at your telescope. (The same way taking an image but cover your telescope)
- * After 30min, better 60min start the following procdure!

Settings and Results

- * After you have connected your ccd and cooling is at the best, start with.
- * Take an Bias Frame (Bias means= shortest exposing time with QHY8/ Maxim user 0,0 Isec.) Pont take a darkframe! Bias is a setting inside Maxim DL (below light in the expossing tab).
- * If you have a problem with that settings take an normal image, BUT THE TELESCPOE MUST BE COVERED, the hole time! Expoing time as short as possible!!! (QHY8 / Alccd6c = 0,01s)
- * When the image have been downloaded to your PC, you should have an image that look like (see next page!) (download speed LOW!





If your image is black

- * You have to change your Offset (maybe put 5 to the number you have set be for. (125 be for, try 130 maybe!)
- * After you have changed Offset take another image (or bias frame without DARKFRAME!) If your image is still black, put again 5 counts to your Offset setting.

 When you have reach max pixel value around 400 to 1000 this step is done.
- * That means for the final lightframe WHY? If the result is black you have to expose a long time, that your background is above zero and you will cut off informations that are weak.

Results

- * If my little help was o.k. so HAVE FUN!!!
- * NB.: The Bias Frame or the shortest image you take (QHY8 / Alccd6c = 0,0 ls) must be gary NOT Black!
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