RegiStax 2
Quick Guide to Basic AVI File Processing
Mike Swanson is solely responsible for this document mangling Mr. Berrevoets' intended use of RegiStax :-)

RegiStax 2 is included on the NexImage CD. Version 3 (discussed in a separate quick guide) is available free for download at http://registax.astronomy.net/

- After starting RegiStax, click the **Select input** button to open your AVI file.
- Insure **Colour processing** is selected in **Settings** - no need for **LRGB**.
- **Processing area** should be 512 pixels at a minimum. Higher values may produce better results but can dramatically slow processing on computers with limited memory.
- Select an **Alignment box** size that completely encompasses the planet's disk or an area of the Moon or Sun with significant detail. As you change this, you will see the size of the box when you move the mouse over the image.
- Check the **Show frame list** and then move the frame list to the left or right so that you can see your image. Use this list to find a frame with the best detail.
- Once you have selected a frame, use the mouse to center the alignment box over the planet (or lunar/solar detail) and click. RegiStax will then proceed to the **Aligning** page.
- Adjust the **Quality filter band** so that the left green line in the **Registration properties** graph is located at the point where the red line starts to bend away from vertical and the right green line is located before the red line approaches the horizontal base line. The closer these two lines are together, the more frames will be discarded. If you have a lot of frames, this will help to only select the best - improving your final image.
- Set the **Alignment filter** so that the blue line is half-way between the two green lines. Use 4 with Jupiter sample file.
- Click the **Align & stack** button and wait for the processing to complete.
- After aligning and stacking, RegiStax will proceed to the **Wavelet Processing** page. On this page, experiment with adjustments to the slider buttons on layers 1 through 6 and also with the Contrast and Brightness sliders. This will allow you to pull out more detail and sharpen the image - but notice that excessive wavelet processing produces a grainy image. Click the **Do all** button to process the entire image with your current settings.
- Click the **Final** tab at the top of the window for additional tools to fine-tune your image. Here you can rotate and adjust color saturation as well as make a final adjustment to the image brightness. You can also flip the image vertically or horizontally to account for the image orientation produced by your telescope. When finished, click the **Save** button in the lower right.
- The image file you save can then be processed a bit more in a program like PhotoShop or ImagesPlus.

This document available at the NexStar Resource Site - http://www.NexStarSite.com