Subject: Re: Byte-Scaling Tiff Stacks
Posted by Magdalena83 on Fri, 21 Jul 2006 18:36:05 GMT
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Thanks for replying; here are my answers for your inquiries:
> Could you post to the news group the following...
>
> print, SIZE(image_name)
3 512 170 492 1 42823680
print, MIN(image_name)
0
> print, MAX(image_name)
255
> DEVICE, GET_DECOMPOSED = thisDecomp
> print, thisDecomp
0
>
> Also, what do you mean by "black and white images"? Do you really mean
> greyscale or do you mean bilevel (like 0 and 1 or 0 and 255)?
Sorry, I meant 16-bit grayscale images.

IDL can read them fine if I convert the tiffs to 8-bits in ImageJ beforehand, but I am worried that I will lose too much info by doing this. I believe that byte-scaling should fix the problem, but "bytscl" isn't working.

Basically, I am looking for the best way to read in stacks of 16-bit tiff images so that I can perform alignment procedures on them and then FFT certain pixels to search for oscillations in intensity.

The data was originally .fits format, but I flatted and dark-subtracted them in ImageJ, which can't write .fits files. Thus, I now have a stack of 2500 .tif frames ready to be aligned, but IDL doesn't read them correctly.
Thanks for any advice you can give.