Subject: Re: unable to allocate memory
Posted by Russell Ryan on Wed, 23 May 2012 00:10:50 GMT
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On May 22, 8:33 am, greg.a...@googlemail.com wrote:
> Insert a line:
>
> ec3=0
>
> just before the problem line

This is because you don't have enough memory (RAM) on your computer to do this. Roughly speaking a 10k x 10k image is around 0.5 Gb. You're loading a 1k x 1k x 300 image into memory (which is roughly 3 10k x 10k images in size), then you're allocating two more variables that is equal in size. Then you need at least ~4.5 Gb of memory.

Do you really need all that data in memory? I'm an astronomer, and it looks like you're reading a dark image and a bunch of images (presumably to reduce). If so, then let me suggest you work on each image in serial. So read the calib files (darks, flats, biases, etc.). Then load image 1, do the processing on that image, write it out, goto next image.

Russell