Subject: Re: reading slices of FITS files
Posted by wlandsman on Wed, 19 Nov 2008 15:30:08 GMT
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I want something
> that is functionally equivalent to:
>
> dataslice = (readfits(filename))[xslice,*,*]
>
> but faster.

I am not aware of any IDL FITS readers that can do this.      The
closest is probably fxread.pro which can read specified columns from a
2-d array, but isn't setup to do 3 dimensions.    Note that your speed
improvement may not be large because each pixel requires a separate I/
O operation when the data is non-contiguous.   However, it would
certainly help with memory management, and some techniques discussed
here might improve the speed
(http://tinyurl.com/6l6kmw).   --Wayne