Subject: Re: Zoom out of astronomical image preserving header info
Posted by mperrin+news on Thu, 17 Feb 2005 18:51:15 GMT
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burkina <stebia@inwind.it> wrote:
> Ciao,
>
> I need to zoom out an astronomical image, in order to make it visible a
> part of the sky which is NOT included in the image itself. In other
> words, I need to display the original image in a smaller region of the
> picture and the rest is black. BUT, I need to preserve the RA and DEC
> coordinates in the black part of the picture, because I have to draw a
> box at certain coordinates to show that it is well outside the original
> image. Moreover, I need to put RA and DEC axis (as it's done with
> imcontour), BUT for all the total picture, not only the original image.
> I hope it's clear! In any case, I've done it succesfully with ds9, so
> that I can show what I want to you, but in IDL the result can be much
> better!

There are a number of routines in the Goddard idlastro library for
manipulating images and their FITS astrometry headers at the same time.
In particular, you can use HREBIN for resizing (zooming out). Then you can
use imcontour for the axes labels - just set /noerase and /nodata when
calling it.

 - Marshall