Subject: Re: Overplot contour on previously stablished coordinates
Posted by mairan.teodoro on Fri, 01 Mar 2013 19:25:20 GMT
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Hi David!

Thanks for the quick reply.

This is the part of the code that does the plot:

```
        cgplot,  findgen(100),title=strtrim(string(((w[i+j]-lref)/lref)*a.c/1 d5,form='(I10)'),2),$
          xsty=1, ysty=1, charsize=0.8,$
           xrange=[reform(astro[0,0,0]),reform(astro[size[1]-1,size[2]- 1,0])],$
           yrange=[reform(astro[0,0,1]),reform(astro[size[1]-1,size[2]- 1,1])],$
          /nodata, position=p

        ;;; this is my iso-velocity image
        cgimage, bytscl(rot(img, 0, missing=0), min=mindisplay, max=maxdisplay), position=p,
/overplot,$
           xrange=[reform(astro[0,0,0]),reform(astro[size[1]-1,size[2]- 1,0])],$
           yrange=[reform(astro[0,0,1]),reform(astro[size[1]-1,size[2]- 1,1])]

        ;;; normalized intensity colorbar
        cgColorBar, position=[p[2]+0.005, p[1], p[2]+0.02, p[3]],$
            /vertical, /right, charsize=0.8,$
            range=[mindisplay,maxdisplay]

        ;;; this is just to show the axis in white in my iso-image
        cgplot, findgen(100),$
          xsty=1, ysty=1, xtickformat='(A1)', ytickformat='(A1)', axiscolor=cgcolor('white'),$
           xrange=[reform(astro[0,0,0]),reform(astro[size[1]-1,size[2]- 1,0])],$
           yrange=[reform(astro[0,0,1]),reform(astro[size[1]-1,size[2]- 1,1])],$
          /nodata, /noerase, position=p, charsize=0.8

        ;;; this is the contour obtained from a FITS image
        ;;; with astrometric solution stored in header.
        ;;; The size and orientation are not the same as
        ;;; that of my iso-velocity image.
        cgcontour, rot(data_img, 0.), levels=[0.9,5,8],$
            color='white', background='black',$
            label=0, olevels=olevels, /onimage, /missing
```

The result for one image can be seen in this link:

https://dl.dropbox.com/u/6573328/teodoro.png

Thanks for any help!
m.