

---

Subject: Re: Postscript output

Posted by [davidf](#) on Sat, 05 Oct 1996 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Richard Townsend <[rhdt@star.ucl.ac.uk](mailto:rhdt@star.ucl.ac.uk)> writes:

> I have a problem with postscript output that I'm hoping someone will be  
> able to help me with. I have some IDL arrays of dimension N x N which are  
> latitude/longitude maps of some function (a spherical harmonic) over the  
> surface of a sphere. I want to display these maps wrapped over the sphere  
> in an orthographic projection. The commands I am using are something of  
> the form:

>  
> map\_set,/orthographic,/noborder,/advance,/isotropic,45,0  
> mapped=map\_patch(bytesl(array1),xstart=x0,ystart=y0, \$  
>           xsize=xs,ysize=ys,missing=255)  
> tv,k,x0,y0,xsize=xs,ysize=ys

> My problem is that the boundaries of the  
> globes which I plot are very jagged, and increasing the size N of the  
> arrays does not cure this. How can I increase the postscript resolution  
> and get rid of the jagged edges?

I am not sure how to get rid of the jaggies with the routine MAP\_PATCH.  
But if you can use the MAP\_IMAGE routine instead, you can increase the  
smoothness of the edges by setting the COMPRESS keyword equal to 1.  
This will solve the inverse map transformation for each pixel in the  
output image and will improve the result dramatically for PostScript  
output.

David

--

David Fanning, Ph.D.

Phone: 970-221-0438

Fax: 970-221-4728

E-Mail: [davidf@fortnet.org](mailto:davidf@fortnet.org)

---