Subject: Re: log scale of data coloring of IDLgrVolume object, not the axes
Posted by David Fanning on Wed, 30 Jan 2002 16:38:30 GMT

Todd Bowers (tbowers0@yahoo.com) writes:

> Ok, I think I've figured out the whole log axis thing to get an
> IDLgrSurface axis to show log scale, its all about scaling the
> xyzCoord_Conv property of the surface with the logged bounds of your
> data.
>
> But, I'm having trouble carrying this over using log scale for the
> coloring of an IDLgrVolume object and the associated Hcolorbar from
> David F. (keeping the xyz axes linear, just logging the color ramp).
> Could anyone help?

HColorbar isn't designed for log scales, of course,
but I think it is just a matter of passing it a
color palette of values that have been scaled by
some kind of log function. For example:

```
r = BytScl(Findgen(256)^10e-2)
g = r
b = r
thePalette = Obj_New('IDLgrPalette', r, g, b)
theColorbar = Obj_New('HColorbar', Palette=thePalette)
```

Cheers,

David
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