
Subject: Re: Map Projections with User Defined Ellipsoids (Mars)

Posted by [btt](#) on Wed, 21 Sep 2005 17:35:52 GMT

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Sebastian wrote:

- > Hello list,
- >
- > I'm suffering about the fact that the adjustable parameters of the
- > IMAP's Projections differ from the ones of the MAP_PROJ_* routines.
- >
- > My need is to display images of mars with a known projection
- > (sinusoidal) with the appropriate radii of mars (~ 3396 km).
- >
- > IDL's manuals say that the parameters SEMIMAJOR_AXIS and SEMIMINOR_AXIS
- > are not allowed for MAP_PROJ's sinusoidal projection.
- >
- > But if I open the image in IMAP, the fields for filling in the ellipsoid
- > axes can be used.
- >
- > As far as I know, IMAP is using the routine MAP_IMAGE for this purpose.
- > My IDL knowledge is too limited to understand what is going on in the
- > IMAP code.
- >
- > Has anybody experiences about user defined ellipsoids? Thanks for any help!

Hi,

When i do the following...

```
imap, map_projection = 'sinusoidal'
```

I don't see that i can adjust the semiXXX_axes. Are you sure that you had imap set to sinusoidal projection? Those change only when I change the datum in the projection dialog. I'm no map expert - but I think it is the datum you specify in order to control the axes.

Cheers,
Ben
