
Subject: Map Projections with User Defined Ellipsoids (Mars)

Posted by [Sebastian](#) on Wed, 21 Sep 2005 16:24:30 GMT

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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!

Cheers,
Sebastian
