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Subject: Re: Plotting over a lunar map

Posted by [David Fanning](#) on Tue, 10 Mar 2009 13:13:36 GMT

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Jimmy writes:

- > I have an image the moon that I need to plot things on- things like
- > positions of landing sites, and satellite tracks across it. I've read
- > the image in and displayed it using tv, but I'm having trouble
- > overplotting.
- >
- > I can get the positions of the Apollo sites plotting onto it, but in
- > the wrong place. I'm fairly sure the problem is I'm trying to plot in
- > coordinates when the image isn't in them. Is there a command to say
- > "treat this image as a map of projection X"? Or do I need to convert
- > my coordinate inputs into x,y values?
- >
- > Or, of course, am I barking totally up the wrong tree?!

You can find a plethora of articles on this topic here:

<http://www.dfanning.com/documents/tips.html#MapProjections>

You are sure to find something you can use, although you may have to understand a bit more about the problem than you do now. In particular, it would be most helpful to know either the corners or the sides of the image in the coordinates of your map projection. Otherwise, just "treating the image as a map" will probably not make it any easier to put things on it than it is now.

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Seppure ma de ni thui. ("Perhaps thou speakest truth.")

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