
Subject: Re: latitude/ longitude legend outside the map
Posted by [David Fanning](#) on Wed, 13 Feb 2002 14:10:18 GMT
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Marco Trommler (marco.trommler@ipf.tuwien.ac.at) writes:

```
> I would like to generate a Map with grid lines and a legend with the values
> of the latitude or longitude of the grid lines outside of the image (aligned
> to the map border)
>
> WINDOW, ...
> MAP_SET .....,/cylindrical, xmargin=3,ymargin=3
> MAP_GRID, LABEL=2, LATDEL=5, LONDEL=10, LONLAB=reg.latmin[r]
>
> prints the values of the longitude on the min. latitude grid line of my map
> (at the lower border but inside the map)
>
> MAP_GRID, LABEL=2, LATDEL=5, LONDEL=10, LONLAB=reg.latmin[r]-0.5
>
> should print the values with space 0.5 under the lowest border, but the
> program doesn't make it..... Where is the mistake???
```

I think the mistake is trying to use IDL's map projection routines to do this. :-)

I would position the map projection with the POSITION keyword (rather than specifying the margins) to give yourself some space to write the legend. Then, I would write the legend with XYOUTS and PLOTS, again using normalized coordinates to position things. A little fooling around will quickly give you what you want.

Cheers,

David

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