Subject: Re: Problems Zooming in on Map Projections?
Posted by Serdar Manizade on Thu, 20 Apr 1995 07:00:00 GMT

rdhunt@kodiak.ms.sandia.gov (Richard D. Hunt) wrote:
> I am having a problem with the MAP_SET function with IDL. What I am trying
..
> ... to create a limit which I then
> pass to MAP_SET as an option. However, as soon as I try to display images
> that wrap over the poles the map that comes back has holes (areas which are
> not considered to be part of the map). Try this as an example.
>
> IDL> limit=[75.,340.,85.,180.,75.,20.,55.,360.]
> IDL> map_set,75,0,0,/ortho,/grid,/continents,limit=limit
>
> I am using IDL 3.6.1a. I called RSI and they sent me a newer version of
> MAP_SET (dated 1995/01/05).   I tried this and the problem didn't go away.

I have seen this behavior, and when it comes to projections that
include the poles, the only solution I have found is to set
the min & max longitudes to 0 & 360. The limits in map set
seem to treat lat/lon as a rectangular grid, rather than spherical
coordinates. Unfortunately I don't have a better fix to offer.

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