
Subject: Problems Zooming in on Map Projections?
Posted by [rdhunt](#) on Wed, 19 Apr 1995 07:00:00 GMT
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I am having a problem with the MAP_SET function with IDL. What I am trying to do is create a windows which has 3 sliders and displays an orthographic map. The sliders adjust the center latitude, center longitude, and altitude (degrees spread in display). To obtain the effect of zooming in I use the altitude value with the lat/lon center point 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 called RSI back and they said the problem also exists in IDL 4.0 which is soon to be released. They will try to fix it for that release but said there was nothing they could do now.

Has anyone out there written some IDL code which allows you to zoom in on areas of a map?

Thanks,

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