On Tuesday, October 22, 2013 8:47:26 AM UTC-6, Morgan Silverman wrote:
> Hello,
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> I'm trying to create a basic plot with a map of the US and trajectory data plotting on top. I'm trying to follow the map projection method using mapCoord = Obj_New('cgmap', 'Lambert Azimuthal', Limit=limit).
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> I keep coming across an ellipsoid statement in most of the examples I've found but I can't find any explanation as to what it is. Different examples have use ellipsoid=24, ellipsoid=19, ellipsoid=WGS84, etc...I don't know if I need this or how to set it if I do.
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> Can someone please explain what the ellipsoid statement is? And, is mapCoord=Obj_New('cgmap', ...) the best way to go about plotting a map of the United States? Thank you.
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>
> Sincerely,
>
> Morgan

You could always use the regular map_set and map_continents procedures:

```
map_set, 0, 0, /cyl, /iso, /noborder, limit=[25,-125,50,-67]
map_continents, /hires
map_continents, /hires, /usa
plots, lons, lats, psym=2
```