On Monday, May 11, 2015 at 3:23:02 PM UTC-3, Joe Llama wrote:
>
> But I can't seem to change it so that the projection is onto a sphere instead. Any help would be greatly appreciated. I would also ideally like to be able to specify the central longitude and latitude.

It all depends on what you mean by "project onto a sphere". I would say that when you use any map projection (Mollweide included, as you did) you are projection onto a sphere.

I guess you only need to pick the projection you want, and figure out the parameters to pass to map(), since each of IDL's many map projections is defined by a different set of parameters:

http://www.exelisvis.com/docs/map_proj_init.html

And here are a few examples

http://www.exelisvis.com/docs/mapProjections.html

This may also help choose the projection (note that some projections have more than one name, so the names may differ between IDL and Wikipedia).

My best guesses for the projection you want are stereographic (Chris' reply), orthographic, or perspective.