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Subject: Re: Gridding to the Surface of a Sphere

Posted by [Robert.M.Candey](#) on Tue, 21 Mar 2017 03:11:29 GMT

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For what it is worth, I implemented a few different mappings to a sphere in `auroral_image.pro` <[https://spdf.gsfc.nasa.gov/pub/software/cdawlib/source/auroral\\_image.pro](https://spdf.gsfc.nasa.gov/pub/software/cdawlib/source/auroral_image.pro)> long ago. Methods include using `triangulate`, `trigrd`, and `dilate`: TV bitmap, Quick plotting of Z array only (no map), `plots` command, `polyfill`, nearest neighbor filling, `map_image`, `convert_coord` and `dilate`, and Map Overlay. I suppose I should add some of these newer techniques. Looks like I tried to figure out the output of "sphere=" as well.

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