
Subject: Using GCTP in IDL instead of MAP_SET

Posted by [Mark Conner](#) on Wed, 22 Sep 2004 19:26:11 GMT

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Hi,

I'm involved in a project where we will be writing 2D grids in a standard map projection (lat/lon or polar stereo for now) into an HDF-EOS file. HDF-EOS uses GCTP mapping to set up the coordinate systems.

I am used to setting up WINDOW for the x/y dimensions of the grid and MAP_SET with the LIMITS keyword (plus other parameters) to set up the map transform and CONVERT_COORD to do the forward and inverse coordinate transforms.

Now I would like to use MAP_PROJ_INIT instead, so I can store the map structure information in the appropriate place in the HDF-EOS file. Given that I have satellite data with its own non-standard projection, how do I use MAP_PROJ_INIT to set up a grid with x by y grid points and corners at specified lat/lon points? I think once I do that correctly, I can transform the satellite data into the grid and then store it in HDF-EOS.

- Mark
