Subject: ms2gt MODIS reprojection toolkit
Posted by Maarten[1] on Tue, 27 Apr 2010 09:43:38 GMT
View Forum Message <> Reply to Message

Hi Folks,

I'm trying to set up the 'modis swath to grid toolkit' reprojection software [1]. With some other background documents [2, 3], I think I have the tools set up correctly (the verification in [1] passes), but it seems I can't get the thing to run properly. Oh, in case you're wondering why I post in this group: the code is a collision of IDL, Perl and C, with more folks over here with knowledge of map projections than in the Perl and C newsgroups.

I'd like to reproject to a Cylindrical Equidistant grid (yes, I've read [3]), for later use with other satellite data (OMI/Aura most likely). The trouble with MODIS is that it is just too much data, and I always found plotting it too hard to bother. However, with the recent eruption of Eyjafjallajökull we felt the need to combine MODIS/Aqua (RGB, aerosol) with OMI/Aura (aerosol, SO2). So, here I am, trying to get ms2gt to run, to have at least one of the instruments on an easy to visualize grid.

The Cylindrical Equidistant map projection is one of the supported projections according to the documentation, however, no matter how hard I try, I always get a message that Cylindrical Equidistant is not supported (followed by a list of supported projections which, annoyingly, includes Cylindrical Equidistant).

* Can someone supply me with a working set of configuration files to start with MODIS 1KM data (so the 250 and 500 m channels are aggregated into 1 km bins) and end up with a Cylindrical Equidistand grid?

* If someone has a suggestion on how to do this with reasonable accuracy within IDL alone, then I'm all ears.

So, with that last question I even managed to get back to the main subject of the newsgroup...

Best,

Maarten

[1] http://nsidc.org/data/modis/ms2gt/
[2] http://geospatialmethods.org/documents/ppgc.html
[3] http://nsidc.org/data/psq/grids/ece_grids.html~