
Subject: Re: Map with specific lon and lat coordinates
Posted by [andrewcool777](#) on Thu, 11 Aug 2016 06:43:40 GMT
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On Wednesday, 20 July 2016 05:32:39 UTC+9:30, KH wrote:

> Hello,
>
> I have some global GHR SST satellite data that are 36000 x 17999 and mapped on a regular cylindrical grid. I am trying to reproduce this map projection using MAP_SET, but my coordinates are off slightly (~0.005 degrees).
>
> The grid I am trying to reproduce can be found in one of the files available at https://podaac.jpl.nasa.gov/dataset/MUR-JPL-L4-GLOB-v4.1?ids=GridSpatialResolution:ProcessingLevel&values=0.01:*4*&a mp;search=GHR SST
>
> Within the file are 1 dimensional latitude and longitude arrays. Is there a way to recreate this exact 36000 x 17999 map projection using MAP_SET so that the coordinates match-up?
>
> Any suggestions would be greatly appreciated.
>
> Thank you,
> Kim

The description of the dataset at your cited website contains :-

Resolution Spatial Resolution: 0.01 degrees (Latitude) x 0.01 degrees (Longitude)

Temporal Resolution: 1 Day

Projection Type: Cylindrical Lat-Lon

Detail: Regular 0.011 degree grid

Ellipsoid: WGS 84

I note in particular the "0.011 degree grid"

Now I know nothing/zilch/SFA about the dataset, but that 0.001 vs 0.1 degrees in the resolution section rings alarm bells in my ears.

It may be totally irrelevant, but i think you should go convince yourself of that...

Andrew
