
Subject: Re: how to make lat/long grid for MODIS in IDL
Posted by [David Fanning](#) on Thu, 14 Nov 2013 02:03:01 GMT
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dm_gty88 writes:

```
> Thanks for the reply! I've tried to do it but to no avail. Here's the code I used:
>
> ; Opens the file
> fileID = HDF_SD_START('MOD09A1.A2002081.h29v07.005.2007136054406.hdf' , /read)
> index1 = HDF_SD_NAMETOINDEX(fileID, 'sur_refl_b01')
> dataset1 = HDF_SD_SELECT(fileID, index1)
> HDF_SD_GETDATA, dataset1, data1
> HDF_SD_ENDACCESS, dataset1
>
> ; Reverses the file to make it upright
> data1r = reverse(data1, 2)
>
> ; Setup map projection
> smap = MAP_PROJ_INIT('Sinusoidal', LIMIT=[10,111.6969,20,127.7102])
>
> ; Forward transform
> fmap = MAP_PROJ_FORWARD(data1r, MAP_STRUCTURE=smap)
>
> When I print, fmap all I get is an array of zeroes.
```

I can imagine, since the data values are not in EITHER latitude OR longitude! Where are the latitude and longitude values of your corner pixels? You told us you had those.

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
Sepore ma de ni thue. ("Perhaps thou speakest truth.")
