
Subject: Re: problems with EOS_GD_EXTRACTREGION

Posted by [Snow53](#) on Fri, 27 Aug 2010 18:54:47 GMT

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On Aug 27, 12:44 pm, Snow53 <jennifer_wa...@hotmail.com> wrote:

> I'm trying to run EOS_GD_EXTRACTREGION and I keep getting a fatal
> error warning, and then ENVI/IDL crashes. Yikes! I'm not sure what is
> wrong. My results from EOS_GD_CREATE and EOS_GD_DEFBOXREGION are
> ok.... Any suggestions?

>

> The code:

>

> pro hdf_eos_extractpix_region

>

> ;find all the hdf-eos files in a folder and open for use

> path = 'X:\MODIS_GPP\Lena\2006\test'

> file_array=file_search(path, '*.hdf', count=num_file)

> file=file_array

>

> print, num_file

> print, file

>

> for i=0, num_file-1 do begin

> file_name=file_basename(file[i], '.hdf')

> ;print, file_name

>

> fid=EOS_GD_OPEN(file[i], /READ)

> ;print, fid

>

> result=EOS_GD_INQGRID(file[i], gridlist)

> ;print, gridlist

> gridname=gridlist

> ;print, gridname

>

> out=EOS_GD_ATTACH(fid, gridname)

> ;print, fid

> ;print, gridname

>

> ;extract data based on a region within the image

>

> uplft=[4390,846]

> lowrgt=[4392,848]

> gridid=EOS_GD_CREATE(fid, 'regionbuffer', 3, 3, uplft, lowrgt)

> print, gridid

>

> cornerlon=[127.250167, 127.268185]

> cornerlat=[72.39189, 72.373873]

> regionid=EOS_GD_DEFBOXREGION(gridid, cornerlon, cornerlat)

```
> print, regionid
>
> result1=EOS_GD_EXTRACTREGION(gridid, regionid, 'MODIS Gridded 1KM 8-
> day Composite GPP', buffer22)
> print, buffer22
>
> output=EOS_GD_DETACH(fid)
> status=EOS_GD_CLOSE(fid)
> endfor
>
> end
```

Hmmm... looks like my values for eos_gd_defboxregion needed to be in lat/long units. I've corrected this, but my "crashing" hasn't stopped. I still need to figure out why this happens.
