
Subject: problems with EOS_GD_EXTRACTREGION
Posted by [Snow53](#) on Fri, 27 Aug 2010 18:44:39 GMT
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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
```
