
Subject: skip the corrupted hdf file and continue the for loop for uncorrupted hdfs

Posted by [Brent Fallarcuna](#) on Mon, 27 Jan 2014 08:22:26 GMT

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Hello everyone!

I'm extracting values on a specific pixel from hundreds of hdf files and used for loop.

This is my code:

```
;Daily NPP/GPP Plotting
cd, ('C:\Users\Brent\Documents\NPP Annual Files\MODIS17A2v5')
filelist = file_search('*.h29v07.005*.hdf')
i = 0
arr = strarr(1,637)

FOR i = 0, 636 DO BEGIN
  ; Open HDF and Import SDS
  filename = filelist[i]

  ;access hdf file
  hdf_id = hdf_sd_start(filename);this is where my program stops

  ;return the index of 'Npp_1km' variable
  index = hdf_sd_nametoindex(hdf_id, 'PsnNet_1km')

  ;access the dataset
  varid = hdf_sd_select(hdf_id, index)

  ;read the contents of the variable
  hdf_sd_getdata, varid, data

  ;endaccess
  hdf_sd_endaccess, varid
  hdf_sd_end, hdf_id

  ;rotate hdf
  data = rotate(data, 7)
  ;scale the data
  kaliwa_tile = data * (0.0001)
  point = kaliwa_tile[880,566]

  print, point
  arr[0,i] = point
ENDFOR

cd, ('C:\Users\Brent\Documents\MOD17A3UTM')
openw, lun, 'outputfilefor8dayPsnNet1km.csv', /get_lun
```

```
printf, lun, arr, format= '(a)'  
close, lun  
free_lun, lun
```

END

After the values from several hdfs are printed, there's an error on the console saying
"HDF_SD_START: Unable to start the HDF-SD interface."

As I checked the variables tab, the i stopped at the 24th hdf file. As I checked the file using hdf browser, it didn't open, thus the file seems to be corrupted.

My question is, can I continue my for loop and proceed reading the other uncorrupted hdf files every time I got the said error?

I've tried catch statement but I can't figure it out on how to use and implement it correctly.

Brent
