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

Posted by David Fanning on Tue, 28 Jan 2014 05:37:12 GMT

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Brent Fallarcuna writes:

> I've run this code, wherein I inserted the for loop. The output on the command line says "MOD17A2.A2000065.h29v07.005.2010162162935.hdf
> Attempt to subscript FILENAME with K is out of range." and it only prints a single value.
>
> Perhaps IDL is confused with my code structure. Is it ok to use for loop within the for loop?
> What I needed is to identify those corrupted files (to re-download them again) and put the values in my csv output file.

Oh, dear. :-(

It is OK to use loops within loops if you have to, but I see no evidence
that you have to do so in anything you have told us or in this code. I
can't even figure out where the number 637 comes from. Doesn't the size
of your loop depend on how many files you have to open?

I would write something along these lines:

```
filelist = file_search('*.*.h29v07.005.*.hdf', Count=count)
array = StrArr(count)
FOR j=0,count-1 DO BEGIN

  Catch, theError
  IF theError NE 0 THEN BEGIN
    void = cgErrorMsg()
    Print, 'Bad File: ', filename[j]
    Message, /Reset
    Continue
  ENDIF

  thisFile = filelist[j]
  hdf_id = hdf_sd_start(thisFile)
  ...

ENDFOR
```

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.")