
Subject: Re: reading multiple HDF files

Posted by [bulrushmower](#) on Tue, 15 Jul 2008 20:37:21 GMT

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On Jul 15, 12:50 pm, Juggernaut <juggernaut...@gmail.com> wrote:

> On Jul 15, 11:05 am, David Fanning <n...@dfanning.com> wrote:

>

>

>

>

>

>> julia.waltersp...@gmail.com writes:

>>> In the meantime I did the file_search and read in file by file with a

>>> for-loop. But I guess this solution does not append the "newly" read

>>> Variable to the other ones so that I can do a plot of a time series..?

>

>> You will probably have to do that yourself. :-)

>

>> But, I imagine this array can get pretty big. I think I would

>> write the files to disk, then read them back in using

>> the associated variable method (ASSOC) when you need them.

>

>> OpenW, outlun, 'mybigfile.dat', /Get_Lun

>> FOR thisFile = 0, count-1 DO BEGIN

>> thisImage = HDF_READ(files[thisFile],)

>> WriteU, outlun, thisImage

>> ENDFOR

>> Free_Lun, outlun

>

>> Then, later:

>

>> OpenR, lun, 'mybigfile.dat', /Get_Lun

>> imageStack = Assoc(lun, IntArr(xsize, ysize))

>

>> To display the 4th image:

>

>> TV, imageStack[3]

>

>> Or, whatever else you want to do with them.

>

>> If you want them all, of course:

>

>> stack = IntArr(xsize, ysize, count)

>> OpenR, lun, 'mybigfile.dat', /Get_Lun

>> ReadU, lun, stack

>> Free_Lun, lun

>

>> Of course, your images might not be integer arrays, and

>> I have no idea what size these are, etc., etc. Use this
>> code at your discretion. :-)
>
>> Cheers,
>
>> David
>> --
>> David Fanning, Ph.D.
>> Fanning Software Consulting, Inc.
>> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>
>> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
>
> If you want to compare these in a plot you'll probably need to
> normalize your time series as this could be different for them all
> although I don't know if MODIS has a 0 start of collect time or a zulu
> start of collect time, etc...- Hide quoted text -
>
> - Show quoted text -

Try this link

http://groups.google.com/group/comp.lang.idl-pvwave/browse_thread/thread/cae923b1cd9c393b/da2b8712b63af341?hl=en&lnk=gst&q=HDF#da2b8712b63af341
