Subject: Re: EOS-HDF routines
Posted by David Fanning on Thu, 15 Jun 2006 15:12:02 GMT
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Daniel writes:

> I'm just trying to find some examples how to write swath data in a hdf
> file using eos routines (eos_sw). I've this programming model
>
> HDF-EOS Programming Model
> Writing
>   * open file
>   * create object
>   * define structure
>   * detach object
>   * attach object
>   * write data
>   * detach object
>   * close file
>
> but nothing about what comands I need to use!
> Do you know where can I find some resources about it?
> Most of examples I saw use hdf_sd routines...

I'm just guessing, but how about this:

    * open file   EOS_SW_OPEN
    * create object   EOS_SW_CREATE
    * define structure {...}
    * attach object   EOS_SW_ATTACH
    * write data   EOS_SW_WRITEFIELD
    * detach object   EOS_SW_DETACH
    * close file   EOS_CLOSE

Cheers,

David

--
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Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: EOS-HDF routines
Posted by James Kuyper on Thu, 15 Jun 2006 16:10:47 GMT
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David Fanning wrote:
> Daniel writes:
...
>> Most of examples I saw use hdf_sd routines...

That's because HDF-EOS is an incomplete wrapper for HDF, so there are
still a few things that can only be done by calling HDF routines. For
example, setting up a dimension scale requires using the SCALE argument
of HDF_SD_DIMSET. Call EOS_EH_IDINFO to return a file handle suitable
for passing to those HDF routines.

...
>   * define structure {...}

EOS_SW_DEF*

>   * write data   EOS_SW_WRITEFIELD

Also, use EOS_SW_WRITEATTR, EOS_SW_WRITEDATAMETA, and
EOS_SW_WRITEGEOMETA to write things other than field data.

Subject: Re: EOS-HDF routines
Posted by Maarten[1] on Fri, 16 Jun 2006 16:38:33 GMT
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kuyper@wizard.net wrote:
> David Fanning wrote:
>> Daniel writes:
> ...
>>> Most of examples I saw use hdf_sd routines...
>
> That's because HDF-EOS is an incomplete wrapper for HDF, so there are
> still a few things that can only be done by calling HDF routines. For
> example, setting up a dimension scale requires using the SCALE argument
> of HDF_SD_DIMSET. Call EOS_EH_IDINFO to return a file handle suitable
> for passing to those HDF routines.

Not to mention that HDF-EOS5 isn't supported with separate routines at
all. The normal HDF-5 routines work fine though, so the separate layer
isn't really needed.

Maarten