
Subject: Re: EOS_SW_ATTACH loops

Posted by [Juggernaut](#) on Tue, 16 Dec 2008 13:16:25 GMT

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On Dec 16, 6:29 am, hethomas <het...@googlemail.com> wrote:

> I have been trying to run a code (far too long to include here) which
> includes the line:
>
> swath_id = EOS_SW_ATTACH(sw_id, swathname[swath_ctr])
> n_fields = EOS_SW_INQDATAFIELDS(swath_id, field_list, rank,
> n_type)
>
> I have been running a loop over the entire thing so that I can process
> all the files in my directory . So far, every time i run the code
> after 30 runs of the loop, the code crashes because sw_id returns -1,
> and therefore n_fields returns the following error:
> EOS_SW_INQDATAFIELDS: Unable to query (null) information.
>
> I am wondering if anyone else has experienced this or knows what might
> be causing the problem? Thanks.

You're probably not closing your EOS_SW id each time you go through
and hit the physical limit for IDs to generate. So you need to
include an EOS_SW_CLOSE piece somewhere in your code to make sure
you're not just generating new ids without closing them. Same idea as
for all files...don't open it unless you're willing to close it prior
to your next 29 openings. Hope this helps.

Subject: Re: EOS_SW_ATTACH loops

Posted by [hethomas](#) on Wed, 17 Dec 2008 11:11:58 GMT

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Thanks for your response. I had actually tried EOS_SW_CLOSE already,
but your post helped me realise that the problem was most likely due
to memory. In the end, I used HDF_SD_END, sd_id which seemed to solve
the problem!!!

Subject: Re: EOS_SW_ATTACH loops

Posted by [Juggernaut](#) on Wed, 17 Dec 2008 12:18:39 GMT

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On Dec 17, 6:11 am, hethomas <het...@googlemail.com> wrote:

> Thanks for your response. I had actually tried EOS_SW_CLOSE already,
> but your post helped me realise that the problem was most likely due
> to memory. In the end, I used HDF_SD_END, sd_id which seemed to solve

> the problem!!!

Indeed. Always pair an ARBITRARYFUNCTION_OPEN with an ARBITRARYFUNCTION_CLOSE...or a free lun in the case of openw, openr, etc...
