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 guery (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 ABITRARYFUNCTION_OPEN with an ARBITRARYFUNCTION_CLOSE...or a free lun in the case of openw, openr, etc...