
Subject: Re: Reading netcdf/hdf5 files slows down
Posted by [Paul Van Delst\[1\]](#) on Thu, 01 Oct 2015 20:45:13 GMT
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Hello,

On 10/01/15 15:12, KH wrote:

> Hello,
>
> I have several thousand netcdf and hdf5 files that I need to open
> and extract data from. As the program loops through the files, it
> progressively takes longer and longer to read each file. Over the course
> of 24 hours, it went from taking ~6 seconds to completely read the file
> to more than a minute. Since seconds add up when reading 50,000+ files,
> I was hoping someone might know why the program would be slowing down
> and if there is anything (other than restarting IDL) I can do to fix it.
>
> For the netcdf files I'm using the following procedures:
> NCDF_OPEN
> NCDF_INQUIRE
> NCDF_ATTNAME
> NCDF_ATTGET
> NCDF_CLOSE
>
> And for the HDF5:
> H5F_OPEN
> H5G_OPEN
> H5D_OPEN
> H5D_READ
> H5D_CLOSE
> H5G_CLOSE
> H5F_CLOSE
>
> Lastly, I am being sure to close every file once I am done with it
> and removing any unneeded variables from memory.

Pawing through the HDF5 docs I see there is also a H5S_CLOSE procedure:

http://www.exelisvis.com/docs/h5s_close.html

where it states:

"Failure to release a dataspace using this procedure will result in resource leaks."

Do you create dataspace and not release them?

cheers,

paulv
