
Subject: netcdf and hdf together
Posted by [queiny](#) on Mon, 07 Aug 2006 22:50:25 GMT
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I am trying to read in data from a HDF file and put the results input a NetCDF file. The NetCDF file has one dimension and it is unlimited. While I only have ~5000 data points, the output NetCDF has 7474 records as shown by 'ncdump -h'. And the data in the NetCDF file look reasonable, I just don't know where the extra data are from. I printed out the # of record when writing, it is correct.

I have tried debug the program for a while. Can anyone point me to the right track? Or can anyone answer me the following wild questions.

Can we use both HDF and NetCDF in the same file? I used different file id and variable id for NetCDF and HDF files.

Can a NetCDF file has only one dimension and it is unlimited? (I have done this in FORTRAN.)

Do I need to use long integer for the dimension, or turns on other compile options?

Many thanks,

Q

Subject: Re: netcdf and hdf together
Posted by [Maarten\[1\]](#) on Fri, 11 Aug 2006 10:29:21 GMT
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liamgumley@gmail.com wrote:

> Finally, it's not all that difficult to work with HDF4 files in IDL,
> particularly the 'Scientific Data Set' variant. However with HDF5, all
> bets are off.

With IDL 6.2 reading HDF5 just works, and with IDL 6.3 both reading and writing work just fine, IME.

Since the variety of data set types in HDF5 has been reduced drastically, I think you're less likely to encounter trouble with HDF5 than with HDF4: the format is in some ways simpler.

Maarten
