
Subject: IDL to write GrADS netCDF (SDF)

Posted by [Rich Bantges](#) on Wed, 14 Sep 2011 09:28:54 GMT

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Hi,

I'm trying to write a netCDF file that is compatible with the GrADS software, so that the netCDF file can be read using the sdfopen command in GrADS.

I can write a binary file in IDL (using WRITEU) and generate a GrADS control file (in ASCII), and I can write a netCDF file in IDL. The problem is, I cannot seem to write a fully compatible netCDF file using IDL that can then be read in using the GrADS sdfopen command.

Does anyone have a simple IDL procedure that I can work from as an example please?

I've seen various examples here <http://www.unidata.ucar.edu/software/netcdf/examples/programs/> but they don't quite do it.

I know that I can convert binary files to netCDF using tools like xconv, but ideally I'd like to just write an SDF (self describing format) netCDF file directly from IDL (especially as the data I have are currently saved in IDL .sav files).

Any help would be greatly appreciated!

Rich

Subject: Re: IDL to write GrADS netCDF (SDF)

Posted by [David Fanning](#) on Fri, 16 Sep 2011 14:36:51 GMT

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Kenneth P. Bowman writes:

- > Be careful. I don't follow the COARDS standard myself (never
- > found a need to), but they are probably referring to the
- > C-language convention, where the last index varies fastest.
- >
- > This is what you see when you use ncdump. You need to remember
- > to reverse the apparent order for IDL and Fortran.

You see! I LOVE standards! :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: IDL to write GrADS netCDF (SDF)

Posted by [Brian Wolven](#) on Fri, 16 Sep 2011 18:51:17 GMT

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On Friday, September 16, 2011 10:36:51 AM UTC-4, David Fanning wrote:

> You see! I LOVE standards! :-)

Row-major standards, or column-major standards?

Subject: Re: IDL to write GrADS netCDF (SDF)

Posted by [Kenneth P. Bowman](#) on Fri, 16 Sep 2011 21:34:24 GMT

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In article <MPG.28dd0ceec202959298980f@news.giganews.com>,
David Fanning <news@dfanning.com> wrote:

> You see! I LOVE standards! :-)

C and Fortran are very standard. Of course, they did choose
different standards. ;-)

Ken
