
Subject: Re: GMT generated netCDF grid files and IDL

Posted by [xm9](#) on Thu, 05 Aug 1993 18:29:58 GMT

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In article <23r8mq\$a1r@skates.gsfc.nasa.gov> philip@denali.gsfc.nasa.gov (Philip Richardson) writes:

>

> Does anybody have a program to read in GMT generated netCDF

> files into IDL? I am having a heck of a time with this. Suggestions are welcome.

I, too, had the devil's own time using netCDF files with pv-wave.

My conclusion is that it is not worth the effort to make a generalized netCDF reader because this format is extensible, and can vary from file to file. What I resorted to was using GMT routines which can fetch the parts I want, and then wrote the result to a fixed-format binary file that was readable by pv-wave scripts I had written. I used a header structure to copy the corresponding netCDF/GMT header info, but came up against a real weird thing on our HP 7xx's: the code I wrote insisted on sticking extra bytes into the header if doubles followed long integers. Since I wanted to stick with the header that GMT generated, I simply stuck the extra bytes to match this. Be warned if you use an HP, too. BTW, I programmed in C.

Subject: Re: GMT generated netCDF grid files and IDL

Posted by [frank](#) on Wed, 11 Aug 1993 21:50:05 GMT

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I don't use GMT data and use only little IDL, however from my experience with netCDF, you probably need some preprocessor like the ncdump to give you an idea about what you have in the data file and go on from there.

Of course, this is based on the assumption that you want to have a generic netCDF reader.

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