Subject: Re: Reading part of a netcdf file?
Posted by Michael Galloy on Tue, 24 Sep 2013 20:01:42 GMT

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On 9/24/13 9:26 AM, rjp23@le.ac.uk wrote:
> I have a very large (22GB) netcdf file and I was hoping there was
> some way to read part of it at a time into IDL but I can't figure out
> how.
>
> For example, I have this variable:
>
> Var   FLOAT   = Array[144, 72, 17, 32161]
>
> The 4th dimension is time, i.e. the are 32161 timesteps.
>
> Is it possible to read only the first X in one go, then read the next
> X, etc meaning that less is stored in memory at once?
>
> Cheers
>
> Rob
>

You might want to try MG_NC_GETDATA. You can do stuff like:

   IDL> data = mg_nc_getdata(filename, 'var[*, *, *, 0:9]')

Get it from the mglib GitHub repo:

   https://github.com/mgalloy/mglib/blob/master/src/netcdf/mg_n c_getdata.pro

Mike
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Michael Galloy
www.michaelgalloy.com
Modern IDL: A Guide to IDL Programming (http://modernidl.idldev.com)
Research Mathematician
Tech-X Corporation