
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. there 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_nc_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
