
Subject: Re: NetCDF4 problem

Posted by [Michael Galloy](#) on Fri, 08 Apr 2016 15:22:39 GMT

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On 4/8/16 6:37 AM, deathknight wrote:

>> On 4/7/16 8:36 am, Paul van Delst wrote:

>>> On 04/07/16 09:52, deathknight wrote:

>>>> Hi,

>>>>

>>>> I'm using IDL 7.1. How can I read the NetCDF4 files using this version

>>>> of IDL?

>>>

>>> NetCDF4 support wasn't added until v8.0 so the best (only?) way is to

>>> upgrade your IDL install.

>>

>> I think that is correct.

>>

>>> Similarly, HDF5 support wasn't added until v8.3 (?) so that route is a

>>> no go.

>>

>> HDF5 support has been in IDL since 5.6:

>>

>> http://harrisgeospatial.com/docs/H5_OPEN.html

>>

>> I would read the NetCDF 4 file using the HDF 5 routines. If you want

>> simpler routines than the low level interface, check out my HDF 5 routines:

>>

>> <https://github.com/mgalloy/mglib/tree/master/src/hdf5>

>>

>> The routine to use is MG_H5_GETDATA. You will need the files in that

>> directory (plus at least objects/idl_object__define.pro to run on IDL 7.1).

>>

>

> Could you please show me more about how to use these routines on IDL 7.1?

> I added all the .pro files from your website into the /lib and run:

> IDL> result=mg_h5_getdata('E:\netcdf4.nc')

> and I got the error: MG_H5_GETDATA: no variable requested

>

> Thank you very much!

>

Yes, you have to specify the variable/attribute that you want:

```
IDL> var = mg_h5_getdata('E:\netcdf4.nc', 'group/myvar')
```

```
IDL> attr = mg_h5_getdata('E:\netcdf4.nc', 'group/myvar.attr')
```

Mike

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Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)
