
Subject: Re: reading netcdf-4 ubyte datatype
Posted by [alison](#) on Fri, 28 Jan 2011 17:35:24 GMT
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Hi,
I am using IDL 8.0 for Linux. I also notice that if I write an IDL "byte" variable (which is unsigned) to a netcdf file, it is written as a netcdf "byte" type (signed), when it should be "ubyte" (unsigned). There doesn't appear to be any way to control the datatype which IDL is automatically choosing when reading/writing from netcdf file. Is there a way to represent my 8-bit unsigned data so that it is handled properly in both IDL and netcdf-4?
Thanks,
Alison

On Jan 28, 4:39 am, Fabzou <fabien.mauss...@tu-berlin.de> wrote:

```
> Hi,
>
> Which version of IDL are you using?
>
> IDL 7.1 does not support netCDF 4 files unless you use a patch for new
> data formats (I think it is included in IDL 7.1.1 but I am not sure)
>
> Fabz
>
> On 01/28/2011 02:33 AM, alison wrote:
>
>> Hi,
>> I'm having trouble reading a netcdf-4 file with "ubyte" type data in
>> it. I believe that "ubyte" is a valid netcdf-4 datatype (unsigned
>> byte) and should just correspond to IDL "byte" type, but ncdf_varget
>> tells me that datatype is "unknown". I get this error msg:
>
>> % NCDF_VARGET: File format error. Varid 5 has a unknown type
>
>> I don't think it is a file format problem, as I can read this file
>> just fine with Fortran, and it also passes the CF conventions checker
>> cleanly. Does anyone know how to read the "ubyte" datatype from a
>> netcdf-4 file using IDL?
>> Thanks,
>> Alison Walker
>
>
```
