Subject: Re: IDL: Wrong data type when reading ncdf file in IDL
Posted by Maxwell Peck on Wed, 31 Mar 2010 06:50:57 GMT
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I'm not sure if I full understand your post but the data is probably stored as 2 byte integers. The scale is used to obtain the actual physical value, i.e. scalef * data. Try this on a small part of your dataset and hopefully the output is somewhere in the range of 270-300 K

Max

On Mar 31, 3:49 pm, "Kwang. Jae LEE" <iglea...@gmail.com> wrote:
> Hi
>
> I tried to read ncdf fomatted data in IDL
>
> below is well-known data in meterology
>
> File : sst.mnmean.nc
> ----------
> id=NCDF_OPEN(file)
> NCDF_VARGET, id,'sst', data
> NCDF_ATTGET, id, 'sst', 'missing_value', miss
> NCDF_ATTGET, id, 'sst', 'scale_factor', scalef
> NCDF_ATTGET, id, 'sst', 'add_offset', offset
> NCDF_CLOSE, id
> ----------
>
> IDL> help, data, scalef, offset
> DATA INT = Array[180, 89, 1874]
> SCALEF FLOAT = 0.0100000
> OFFSET FLOAT = 0.00000
>
> vaiable 'sst' is float or short data type checking from 'Grads' and
> 'ncdump -h commend'
> SST data is taken as interger form.
> but when I read another varible in IDL like above, it has no problem
>
> anybody who has same problem or has answer from my question
> plz, help ^^