
Subject: NetCDF write

Posted by [Fabrice Lambert](#) on Thu, 15 Mar 2012 07:02:27 GMT

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Hi everybody,

I am trying to write a 2-dimensional dataset to a netCDF file. The data is as follows:

```
IDL> help, aodtot
AODTOT      FLOAT    = Array[128, 64]
```

Basically it's a world map with 128 points in longitude and 64 points in latitude.

Here's the code I am using to write the netCDF data:

```
-----
lon=findgen(128)*2.8125
lat=findgen(64)*2.8125-88.59375

id = NCDF_CREATE('AOD_CCSM_LGM.nc', /Clobber) ; Create a new NetCDF
file. LGM
NCDF_CONTROL, id, /Fill ; Fill the file with default values.

xid = NCDF_DIMDEF(id, 'lon', 128) ; Make dimensions.
yid = NCDF_DIMDEF(id, 'lat', 64) ; Make dimensions.

lonid = NCDF_VARDEF(id, 'lon', [xid], /FLOAT) ; Define variables.
latid = NCDF_VARDEF(id, 'lat', [yid], /FLOAT) ; Define variables.
aodtotid = NCDF_VARDEF(id, 'AODtot', [xid, yid], /FLOAT) ; Define
variables.

NCDF_CONTROL, id, /ENDEF ; Put file in data mode.'

NCDF_VARPUT, id, lonid, lon ; Input data.
NCDF_VARPUT, id, latid, lat ; Input data.
NCDF_VARPUT, id, aodtotid, aodtot ; Input data.

end
-----
```

The problem is that all data above the 47th latitudinal value are empty (i.e. the northernmost part of the world is missing). If I write the aodtot variable to a textfile, then no data are missing, so I'm doing something wrong in the netcdf part. Can anybody spot a mistake?
