
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?
