Subject: Re: Add a new variable to netCDF file? Posted by Paul Van Delst[1] on Tue, 25 Oct 2011 13:37:55 GMT

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Hello,

Ashley Berg wrote:

- > So, I know how to overwrite a variable in a netCDF file, but how do I
- > add a new one?

>

- > I have a netCDF file with about 30 variables and I want to add two new
- > ones. It would be a pain to have to copy over all 30 vars plus the
- > new ones into a new file, so is there a way to add variables using the
- > netCDF operators? I've been experimenting but haven't been able to
- > find a way to do it (when I try to write a new variable to the file,
- > it complains that it can't find the variable, which implies it's
- > looking to overwrite an existing one rather than tack on the new one).
- 0) Open the existing file for writing (NCDF OPEN)
- 1) Put the netcdf file in DEFINE mode (NCDF CONTROL)
- 2) If required, define new dimensions (NCDF_DIMDEF)
- 3) Define the new variable (NCDF VARDEF)
- 4) Repeat 2-3 as necessary for multiple dimensions/variables.
- 5) Put the netcdf in DATA mode (NCDF_CONTROL)
- 6) Write the new variable data to the file (NCDF_VARPUT)
- 7) Repeat 7 as necessary for multiple variables.
- 8) Close the file (NCDF_CLOSE)

cheers,

pauly

>

> Thanks!