
Subject: Re: NC_check_name error when using NCDF_VARDEF
Posted by [Kenneth P. Bowman](#) on Mon, 16 Apr 2012 17:55:24 GMT
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In article <6dc97299-d161-46ec-b50d-b4ffd25e6154@z38g2000vbu.googlegroups.com>, Jason Webster <jason.r.webster@gmail.com> wrote:

```
> Hello All,  
>  
> I am trying to write out some data in IDL 8.0.1 and keep encountering  
> the following error:  
>  
> idl: string.c:177: NC_check_name: Assertion `name != ((void *)0)'  
> failed.  
>  
> which results in IDL aborting. I have checked to ensure my dimensions  
> are the correct sizes and I have not mistyped anything. The error is  
> occurring when the program reaches "varvid=NCDF_VARDEF(fid,variable,  
> [lonid,latid,timid,memid],/FLOAT)". Here is the code for writing out  
> the file:  
>  
> fid=NCDF_CREATE('/Volumes/Disk2/Data/Volcanic_Impact/  
> atmos_'+variable(i)+'_el_chichon.nc',/Clobber)
```

Is "variable" a function?

```
>  
> lonid=NCDF_DIMDEF(fid,'longitude',nx)  
> latid=NCDF_DIMDEF(fid,'latitude',ny)  
> timid=NCDF_DIMDEF(fid,'time',48)  
> memid=NCDF_DIMDEF(fid,'member',17)  
>  
> lonvid=NCDF_VARDEF(fid,'longitude',[lonid],/FLOAT)  
> latvid=NCDF_VARDEF(fid,'latitude',[latid],/FLOAT)  
> timvid=NCDF_VARDEF(fid,'time',[timid],/FLOAT)  
> memvid=NCDF_VARDEF(fid,'member',[memid],/FLOAT)  
>  
> varvid=NCDF_VARDEF(fid,variable,[lonid,latid,timid,memid],/F LOAT)
```

Should be?

```
varvid=NCDF_VARDEF(fid,variable[i],[lonid,latid,timid,memid] ,/FLOAT)  
  
>  
> NCDF_CONTROL,fid,/ENDEF  
>  
> NCDF_VARPUT,fid,lonvid,lon  
> NCDF_VARPUT,fid,latvid,lat
```

> NCDF_VARPUT,fid,timvid,vtime
> NCDF_VARPUT,fid,memvid,INDGEN(17)
> NCDF_VARPUT,fid,varvid,vimpact
>
> NCDF_CLOSE,fid
>
> I would greatly appreciate any assistance or insight.
>
> Sincerely,
>
> Jason

Ken Bowman
