
Subject: Re: Error opening netCDF file

Posted by [dan.westervelt](#) on Mon, 16 Dec 2013 23:58:46 GMT

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To follow up, this is with IDL 8.0.1 and netcdf 4.2. I define the net_rad_85 array earlier in the program (not shown) to have the same dimensions as netrad_toa variable in the structure.

On Friday, December 13, 2013 5:55:53 PM UTC-5, Dan Westervelt wrote:

> I am attempting to read in about ~100 or so netCDF files in a loop. I'm using ncdf_read.pro (http://acmg.seas.harvard.edu/gamap/doc/by_alphabet/gamap_n.html#NCDF_READ). My code looks like this:

```
>
>
>
> ; read in met variables
>
> ncdf_read, result_meteo, filename = dir1+sim4+dir4+dir3+'atmos.' $
>
>   +years(n)+'-'+string(fix(years(n))+4,format='(l4)')+'.ann.nc ', $
>
> variables = ['netrad_toa']
>
>
>
> ; ; assign variables
>
>   net_rad_85(*,*)=result_meteo.netrad_toa
>
>   Undefine, result_meteo
```

> I am getting this error at the assignment line above:

```
>
> % Expression must be a structure in this context: RESULT_METEO.
```

> Strangely, if I reset everything, and run again, the code gets a little further in the loop, and more of my 100 or so files are read in. If I repeat it enough times, I can get through the entire program without error, but it can take hours, which is not good.

> Each file is about 18M, so I don't think I'm approaching a memory limit? My first guess was memory error or memory leak, but I've tried undefining everything, calling heap_gc, etc, with no luck. Any idea what I'm doing wrong here?

>
>
> Thanks
>
> Dan
