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Subject: Error opening netCDF file

Posted by [dan.westervelt](#) on Fri, 13 Dec 2013 22:55:53 GMT

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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](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='(I4)')+'.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

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