

Ben Foster <foster@ucar.edu>

Long output lines in TIEGCM

3 messages

Sean Elvidge <s.elvidge@bham.ac.uk>

Wed, Oct 21, 2015 at 8:03 AM

To: Ben Foster <foster@ucar.edu>

Hi Ben,

Apologies if I shouldn't be sending my questions to you. Is there a more suitable place where I should post my questions?

I've found that if you have a very (very!) long 'output' or 'secout' line in your tiegcm.inp file then the Fortran code simply can not read it in. I'm talking about lines which are >6400 characters. I can see in the tiegcm.out that it is reading the first 6400 characters and then just stopping. Obviously TIEGCM then crashes because the 'output' line hasn't been read correctly. I've noticed in the source code that you specify a maximum number of items for 'output' and 'secout', this meets that criteria, but the path location is just very long.

Is there way of passing multi-lines to the output or secout variable? I tried using a '&' to split the lines up, which worked, but tiegcm spat out an error saying they hadn't been successfully read.

As a work around I can obviously just make the line shorter (I found switching out '/home/sean/' for '~/ ' saved me enough space). But I wondered if you had a better solution?

Thanks,
Sean.

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Dr. Sean Elvidge, PhD, MIMA

Research Fellow,

Webmaster, Federation of Astronomical Societies (FAS).

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Ben Foster <foster@ucar.edu>

Thu, Oct 22, 2015 at 9:58 AM

To: Sean Elvidge <s.elvidge@bham.ac.uk>, Joe McNerney <joemci@ucar.edu>

Sean,

You can provide multiple paths in multiple lines for the namelist parameters OUTPUT and SECOUT. The continuation symbol is simply a comma "," at

the end of the line, e.g., you could provide 3 paths, one line per path like so:

```
OUTPUT = '/dir1/dir2/file001.nc',  
         '/dir1/dir2/file002.nc',  
         '/dir1/dir2/file003.nc'
```

Similar for SECOUT, and similar to SECFLDS in the default namelist input files in the modelroot/scripts directory. Also, the code will allow a shortcut if you need to specify a larger number of files, e.g., say 20 files, like so:

```
SECOUT = '/dir1/dir2/file_001.nc','to',  
         '/dir1/dir2/file_020.nc','by','1'
```

Hope this helps,

--Ben

[Quoted text hidden]

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Sean Elvidge <s.elvidge@bham.ac.uk>

Thu, Oct 22, 2015 at 10:05 AM

To: Ben Foster <foster@ucar.edu>, Joe McNerney <joemci@ucar.edu>

Hi Ben,

Well now I look stupid! I tried various escaping characters but not just a comma!

I know about the expansion of variables names (which in general is very useful) but I'm this instance I was running with peculiar, non numeric, names.

Many thanks as always,
Sean.

On Thu, 22 Oct 2015 4:59 pm Ben Foster <foster@ucar.edu> wrote:

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Hope this helps,

--Ben

On Wed, Oct 21, 2015 at 8:03 AM, Sean Elvidge <s.elvidge@bham.ac.uk> wrote:

[Quoted text hidden]

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