

**Ben Foster** <foster@ucar.edu>

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**Re: help on tiegcm**

4 messages

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**Chin Lin** <cnsnln@gmail.com>  
To: Ben Foster <foster@ucar.edu>

Fri, Mar 13, 2015 at 11:47 AM

Hi Ben,

I need your help again. I would like to run tiegcm with modelres= 2.5.  
Do you have a restart file for modelres=2.5 that I could use? I downloaded tiegcm1.95 last year.

Also, could I set the time size STEP in the namelist smaller than 60 seconds?

Regards,

Chin

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Chin Lin  
Boston College  
Institute For Scientific Research

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**Ben Foster** <foster@ucar.edu>  
To: Chin Lin <cnsnln@gmail.com>, Joe McInerney <joemci@ucar.edu>

Fri, Mar 13, 2015 at 5:13 PM

Chin,

You can find 2.5-deg startup history files for tiegcm in:

<http://download.hao.ucar.edu/pub/tgcm/data/tiegcm1.95/>

The 2.5-deg files are \*dres\*.nc (meaning "double resolution").  
There are files for the 4 seasons at solar min and solar max.

Yes, you can set the STEP less than 60. I recommend 30 secs  
for double-res, esp for storm cases. If it crashes, you can reduce  
it further, I think the shortest step we have used is 5 seconds.  
I think the only restriction is that it divide evenly into the history  
write frequency, and the length of the run.

--Ben

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Ben Foster  
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**Chin Lin** <cnsnln@gmail.com>  
To: Ben Foster <foster@ucar.edu>

Mon, Mar 16, 2015 at 8:10 AM

Hi Ben,

Thank you for your advices. I have got it running over the weekend. By the way, is there a plan to further reduce it to 1.25-deg resolution?

Regards,

Chin

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Chin Lin  
Boston College  
Institute For Scientific Research

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**Ben Foster** <foster@ucar.edu>  
To: Chin Lin <cnsnln@gmail.com>

Mon, Mar 16, 2015 at 9:32 AM

Glad you got it working. You will probably have to experiment with the time-step, like we were discussing.  
No plans for higher resolution than 2.5-deg at this time.  
We are moving on development of WACCM (a component of the CESM), rather than TIEGCM/TIMEGCM.

--Ben

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