NCAR UCAR

Ben Foster <foster@ucar.edu>

SVN: tgcm [1124] timegcm/trunk:
7 messages

foster@ucar.edu <foster@ucar.edu>   Wed, Jan 28, 2015 at 3:26 PM
Reply-To: foster@ucar.edu
To: foster@ucar.edu, fischer@ucar.edu, maute@ucar.edu, lqian@ucar.edu, joemci@ucar.edu, ganglu@ucar.edu, ite@ucar.edu, taoli@ucar.edu, stans@ucar.edu, wbwang@ucar.edu, emery@ucar.edu, karthikv@ucar.edu

Revision: 1124
Author: foster
Date: 2015-01-28 15:26:19 -0700 (Wed, 28 Jan 2015)
Log Message:
----
timegcm/trunk:
 - Add option to save ZGMID (geometric height at midpoints) to secondary
 histories. Add 'ZGMID' to SECFLDS in namelist to save this field.
 Similar to previous commit to tiegcm/trunk, except there is no diags.F
 in timegcm, so this is done in addiag.F, after call calczg.

Modified Paths:
----
 timegcm/trunk/scripts/timegcm_sres_default.inp
 timegcm/trunk/src/addiag.F

📄 **r1124-foster.diff**
2K

Gang Lu <ganglu@ucar.edu>   Wed, Jan 28, 2015 at 3:53 PM
To: Ben Foster <foster@ucar.edu>

Ben,

While you are at it, could you please also correct the unit for p0 in timegcm, changing it from "millibars" to "microbars".

Thanks,
Gang

Gang Lu
High Altitude Observatory
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3080 Center Green Drive, Boulder, CO 80301
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Ben Foster <foster@ucar.edu>   Wed, Jan 28, 2015 at 5:26 PM
To: Gang Lu <ganglu@ucar.edu>

Gang, I just made a default test run of timegcm/trunk, and it
looks correct on the history. Look at the ncdump file on ys:

/glade/scratch/foster/timegcm_p0/timegcm.run/timegcm_sres.p_test001.ncd

Search on "microbars", and you will see:

     double p0 ;

        p0:long_name = "Reference pressure" ;

        p0:units = "microbars" ;

Farther down, in the data section, it has p0 = 0.0005

Can you check your history file to see when it was created?

Search on "create_date" in an ncdump of the file.

--Ben

[Quoted text hidden]
--
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303-497-1595

Gang Lu <ganglu@ucar.edu>   Wed, Jan 28, 2015 at 5:33 PM
To: Ben Foster <foster@ucar.edu>

Ben,

The create_date is shown as 11/12/14. Is my version out of date?

Gang

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Ben Foster <foster@ucar.edu>   Wed, Jan 28, 2015 at 5:36 PM
To: Gang Lu <ganglu@ucar.edu>

I guess the more important question is what version of timegcm are you using.
Can you point me to your model source directory - its probably an amie branch,
right? If its an svn working directory, the "svn info" command will show the

revision number.

[Quoted text hidden]

Gang Lu <ganglu@ucar.edu>   Wed, Jan 28, 2015 at 5:45 PM
To: Ben Foster <foster@ucar.edu>

Yes. The source files are under /glade/u/home/ganglu/timegcm_dres. There are two subdirectories:
timegcm_trunk (the original source) and timegcm_amie (modifications that I made to include AMIE).

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Ben Foster <foster@ucar.edu>   Wed, Jan 28, 2015 at 5:58 PM
To: Gang Lu <ganglu@ucar.edu>

Ok, the timegcm_amie directory is r783 of the amie branch (5/16/12).
There have been only two commits since then, see attached commit log.
If you update your working directory, then I could go in and fix p0 units
and commit it to the branch. However, we can't guarantee exact same
answers as your previous runs (e.g., sflux was changed in qrj.F).
Anyway, we can talk more tomorrow..

--Ben
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📄 **timegcm_amie.log**
28K