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

TIE-GCM Makefile bug
4 messages

David Rainwater <rain@arlut.utexas.edu>   Mon, Apr 20, 2015 at 10:38 AM
To: foster@ucar.edu

Ben,

Thanks again for taking the time to discuss some of the subtleties
in getting TIE-GCM to run properly. I'll try afresh after lunch.

Here's what I found with the default file Make.intel_hao64 that's
distributed with your latest package (1.95). The following lines
appear in the makefile using dependency sytax:

machines.ini: export HN=$(HOST)
machines.ini: export NP=$(NPROC)

But they appear intended to be instructions, not dependencies, and
do cause make to crash with an error. This modification works,
which uses shell command syntax:

machines.ini:
    export HN=$(HOST)
    export NP=$(NPROC)

Cheers,
Dave
--
Dave Rainwater, Ph.D.
Space and Geophysics Laboratory
Applied Research Laboratories
The University of Texas at Austin
(512) 835-3530

Ben Foster <foster@ucar.edu>   Mon, Apr 20, 2015 at 11:42 AM
To: David Rainwater <rain@arlut.utexas.edu>

Thanks David, I will make this change in the svn repository.
It seems to work for me either way, but maybe because I am
using gnu make (gmake command), or maybe a difference in
shells (we typically run with csh or tcsh).

--Ben
[Quoted text hidden]
--
Ben Foster
National Center for Atmospheric Research (NCAR)
High Altitude Observatory (HAO)
303-497-1595

David Rainwater <rain@arlut.utexas.edu>   Tue, Apr 21, 2015 at 9:31 AM
To: Ben Foster <foster@ucar.edu>

Ben,

Sounds great, thanks for being responsive. I personally use tcsh,
but most users here go with bash. Our code guru will check that next.

I've got the code running to arbitrary dates now, using the last
primary history output as the starting source for new runs.

Regards,
Dave

> On 4/20/15 12:42 PM, Ben Foster wrote:
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>>   Dave Rainwater, Ph.D.
>>   Space and Geophysics Laboratory
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>>   (512) 835-3530 <tel:%28512%29%20835-3530>

--
Ben Foster
National Center for Atmospheric Research (NCAR)
High Altitude Observatory (HAO)
303-497-1595

Ben Foster <foster@ucar.edu>　　　　　　　　　　　　　　Tue, Apr 21, 2015 at 10:45 AM
To: David Rainwater <rain@arlut.utexas.edu>

Good. We also have a full year climatology run for tiegcm,
so you can presumably start from a "steady-state" history
for any date. I don't include that in the data distribution because
its too much data, but let me know if you want to use them.
I think the 1-year climatology run is for 5-deg resolution only.

Continuation runs can be a bit confusing, maybe you've already
done this, but basically you comment out the SOURCE and
SOURCE_START, and start with the last history from the previous
run, which it will search for in your OUTPUT file, when it sees there
is no source file.

--Ben

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