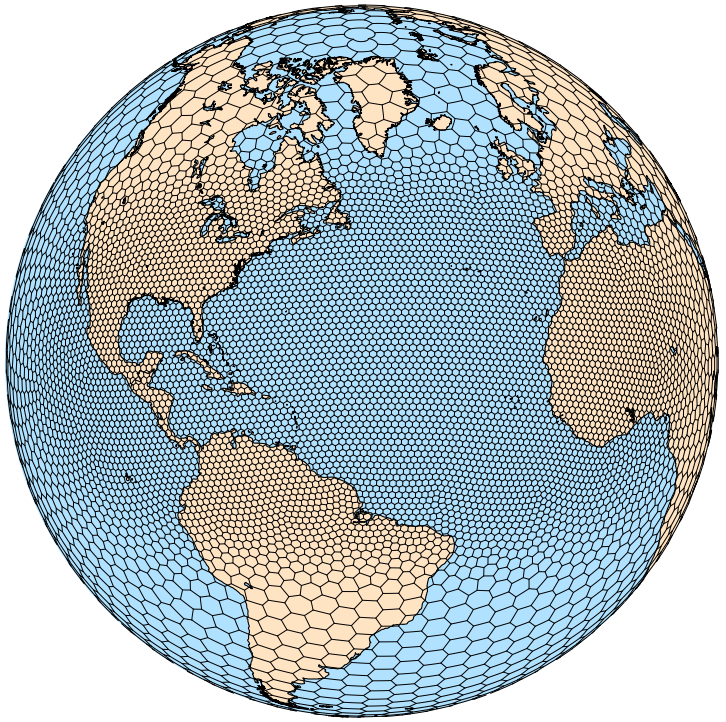
MPAS

Model for Prediction Across Scales



- Overview
- Mesh description
- Atmospheric solver, physics
- Registry, installation, running MPAS
- *MPAS support, future evolution*

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MPAS release is available at http://mpas-dev.github.io/

MPAS
Model for Prediction Across Scales

MPAS Atmosphere Public Releases

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MPAS-Land Ice
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MPAS-Ocean download

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Wiki
Bug Tracker
Mailing Lists
MPAS Developers Guide

MPAS Atmosphere 2.1 was released on 6 June 2014.

Any questions related to building and running MPAS-Atmosphere should be directed to the MPAS-Atmosphere Help forum. Posting to the forum requires a free google account. Alternatively, questions may be sent from any e-mail address to "mpas-atmosphere-help **AT** googlegroups.com". *Please note that in either case, questions and their answers will appear on the online forum.*

MPAS Atmosphere 2.1 release notes

MPAS source code download

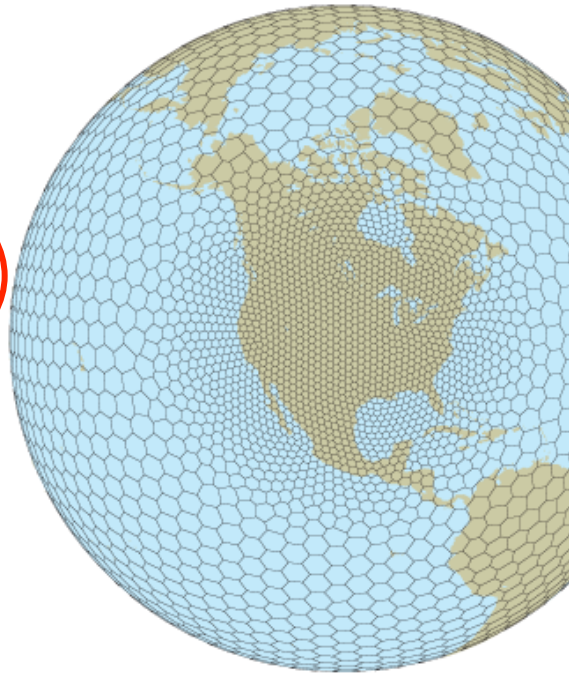
MPAS Atmosphere Users Guide

MPAS Atmosphere meshes

Configurations for idealized test cases

Sample input files for real-data simulations

Visualization and analysis tools



A variable resolution MPAS Voronoi mesh

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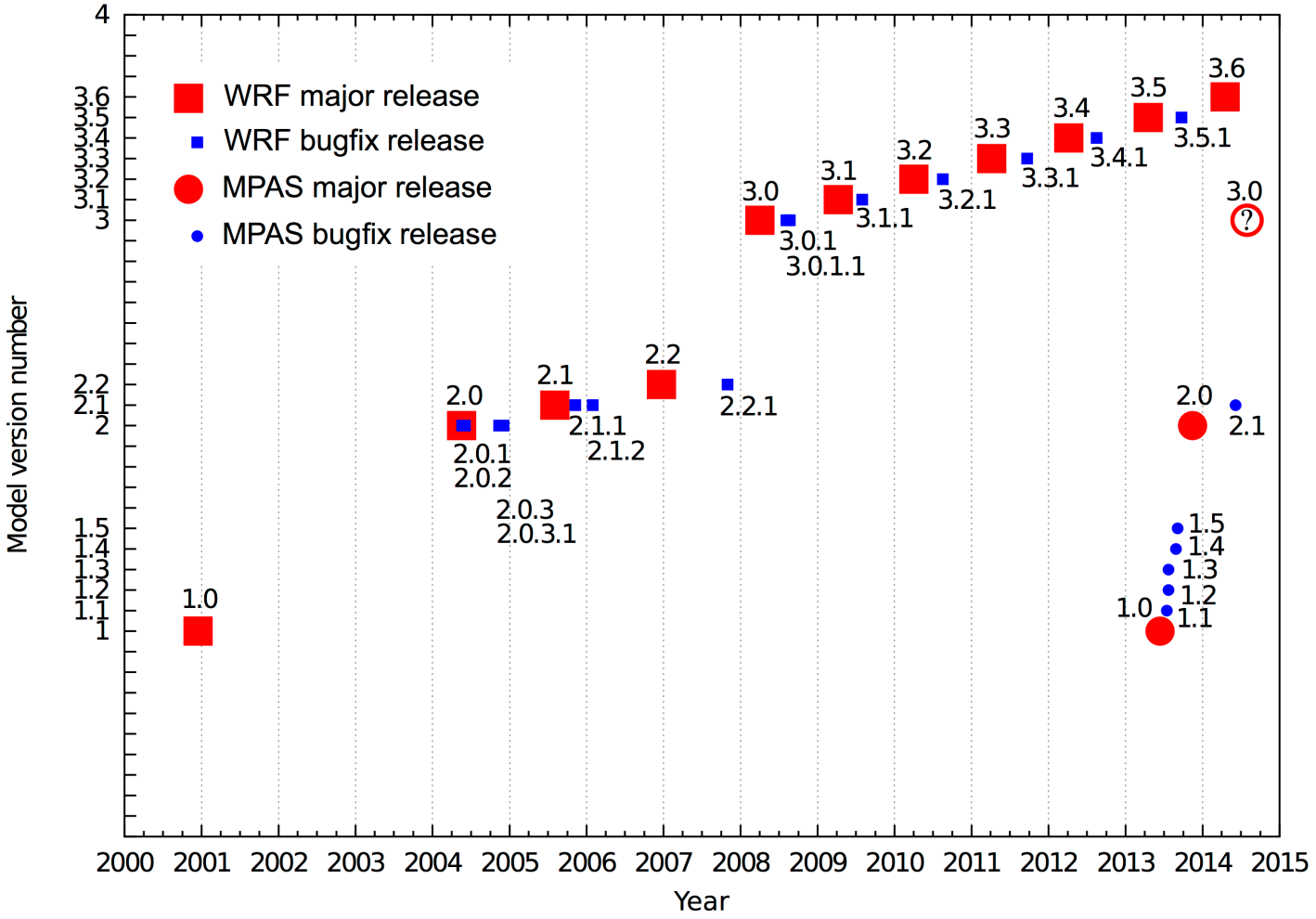
History of MPAS Releases



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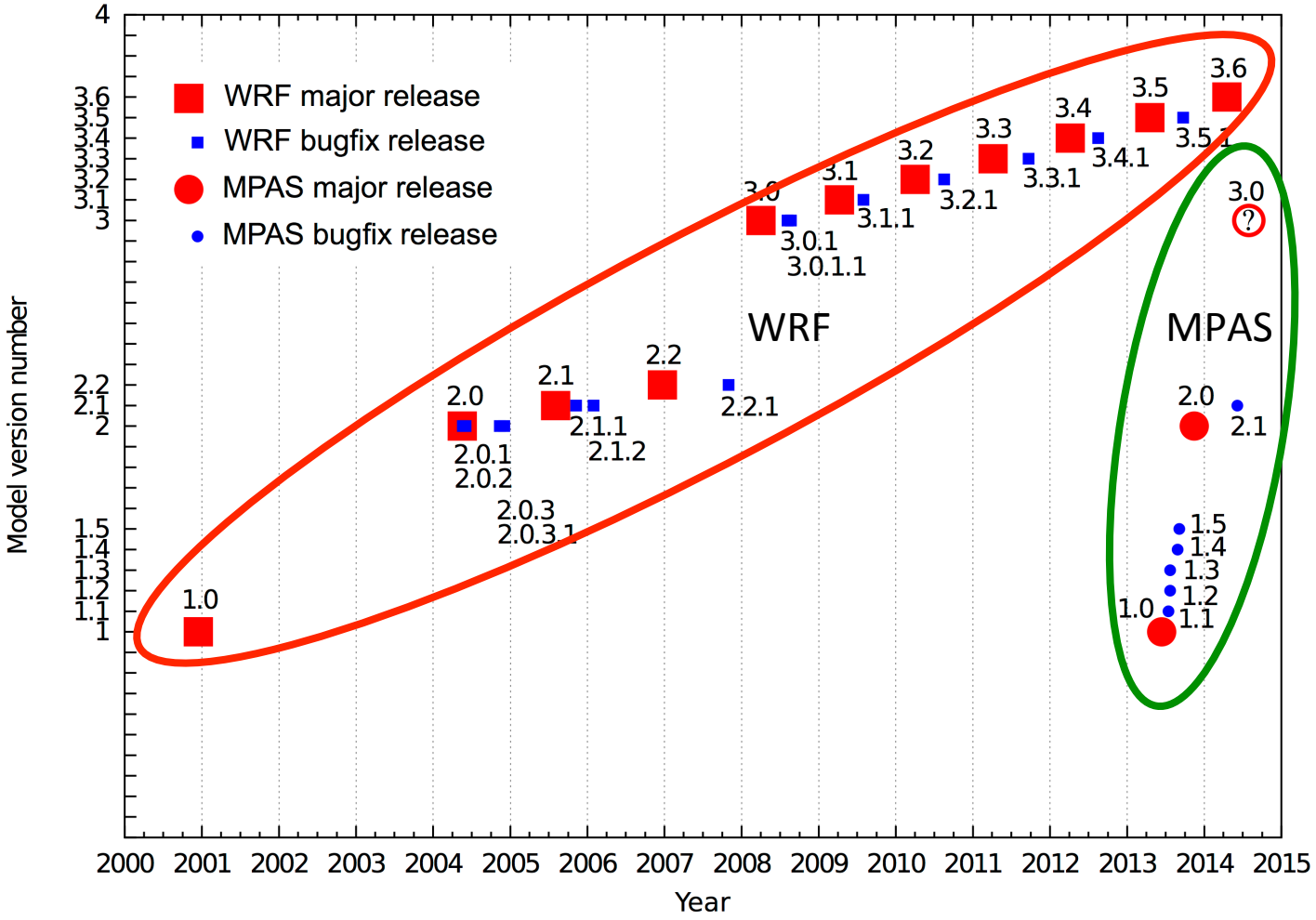

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MPAS-Atmosphere Help

Shared publicly

Show all topics

Welcome to the MPAS-Atmosphere Help forum. Users of MPAS-Atmosphere may post questions here to receive answers from MPAS-Atmosphere developers. More information on MPAS-Atmosphere, including documentation and code, can be obtained through the MPAS web page: http://mpas-dev.github.io/.

Discussion categories

Compilation
Questions related to downloading and compiling MPAS-Atmosphere.

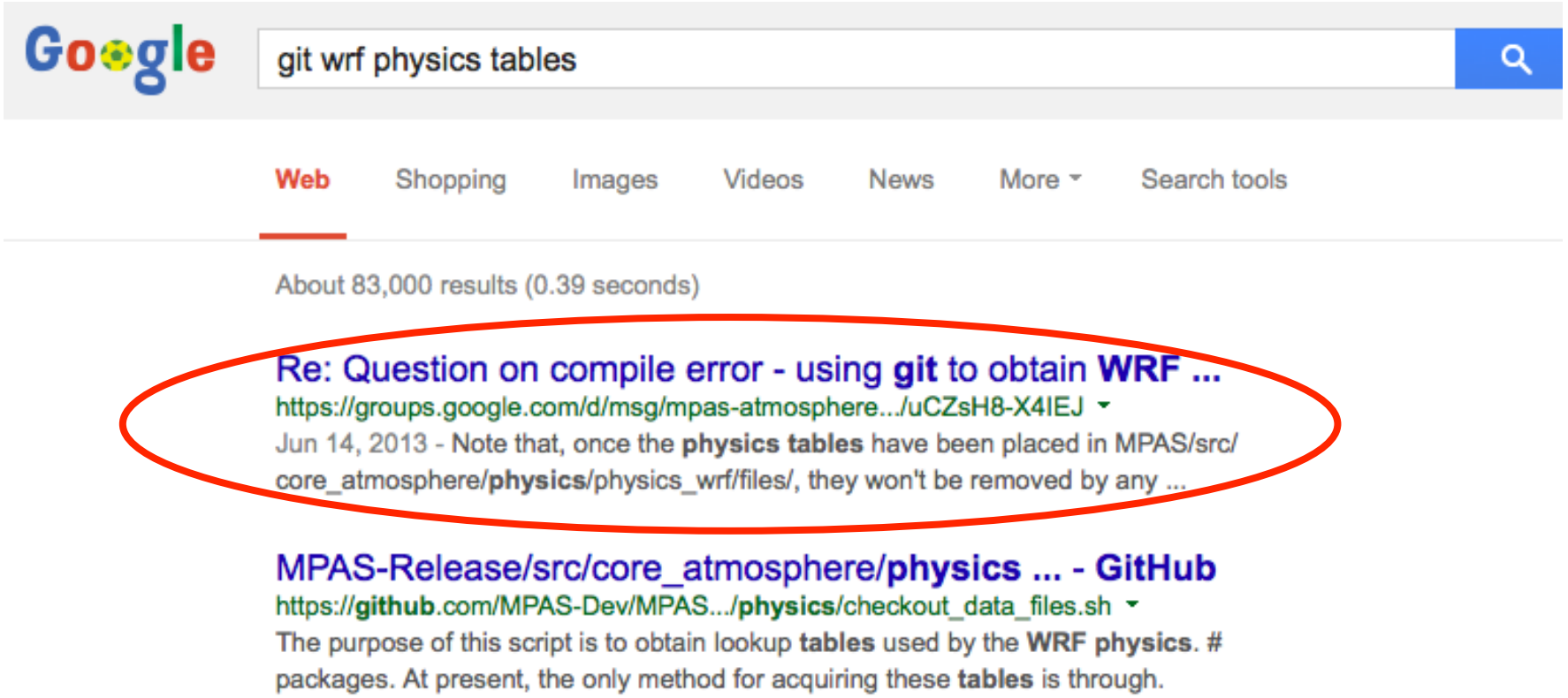
Running
General questions about running MPAS-Atmosphere, or about issues encountered while trying to run the MPAS-Atmosphere model.

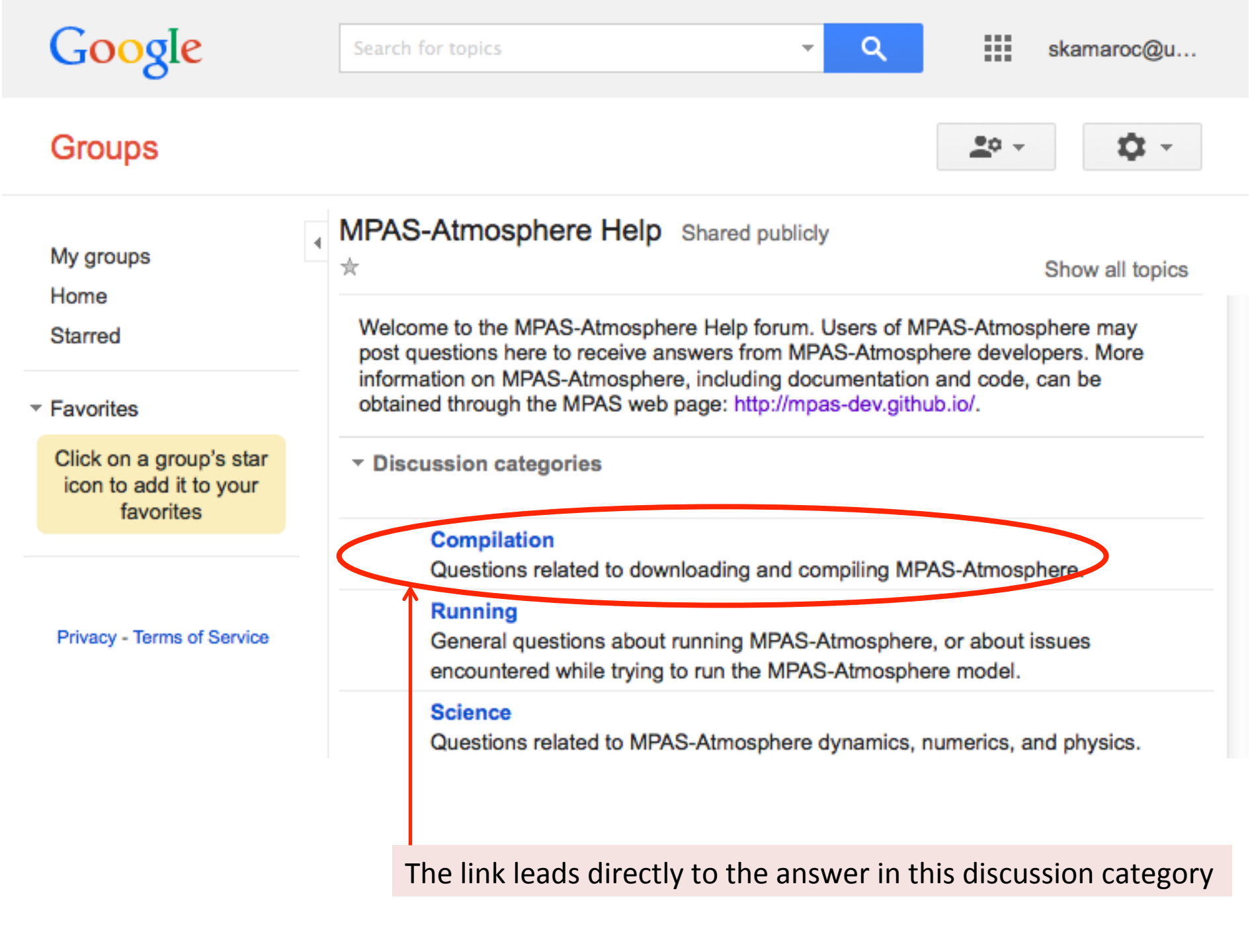
Science
Questions related to MPAS-Atmosphere dynamics, numerics, and physics.

Post-processing
Questions, issues, or suggestions related to post-processing of model output.

Bugs
Reports of suspected bugs in MPAS-Atmosphere. Suggestions for improvements to MPAS-Atmosphere may also be posted here.

Google search on “git wrf physics tables” returns, as the top hit:

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Search for topics
skamaroc@u...
Groups
My groups
Home
Starred
Favorites
Click on a group's star icon to add it to your favorites
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MPAS-Atmosphere Help
Shared publicly
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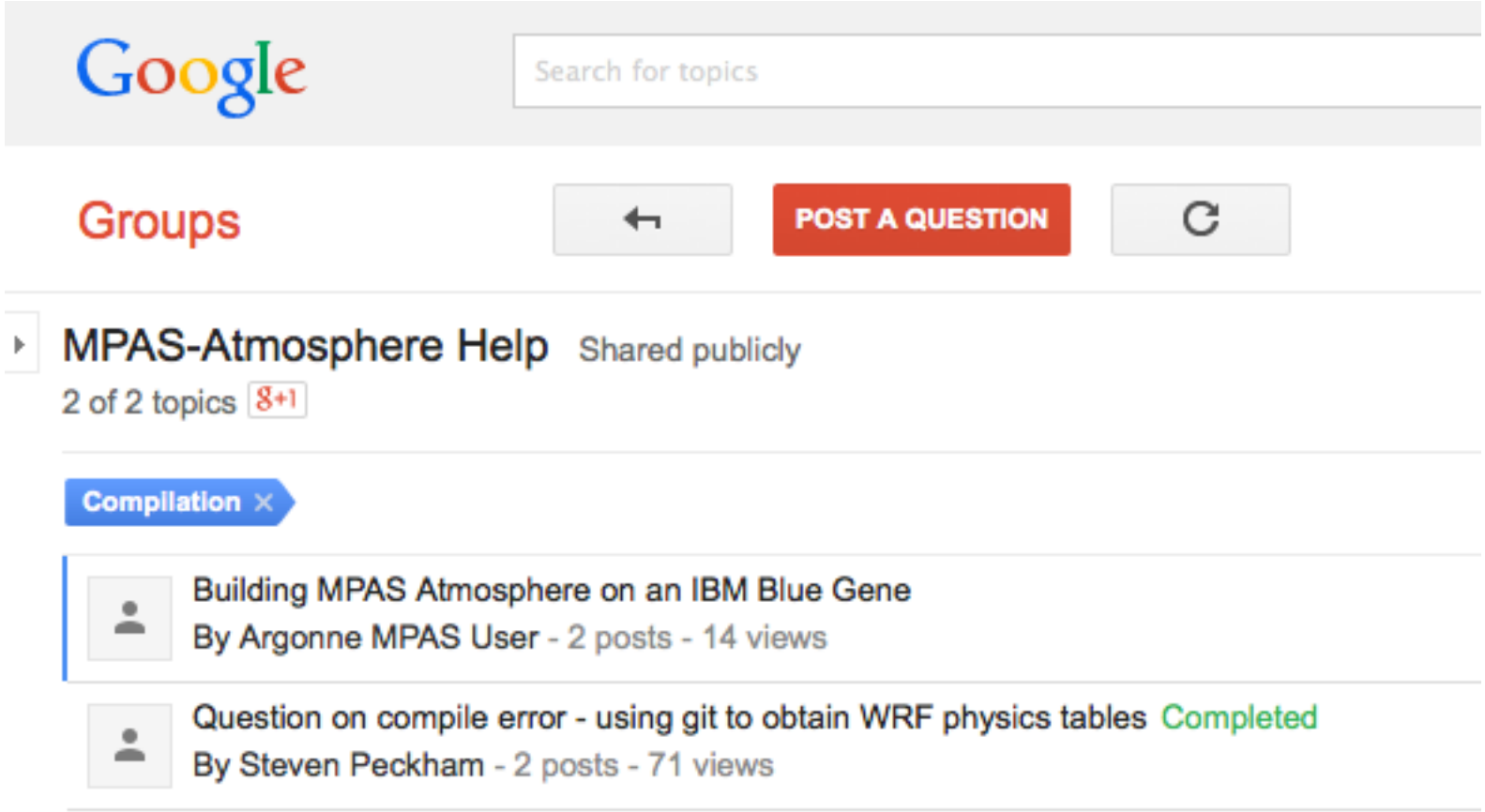
The link leads directly to the answer in this discussion category

The list of questions and answers…



Google

Search for topics

Groups

MPAS-Atmosphere Help ›

Question on compile error - using git to obtain WRF physics tables

2 posts by 2 authors

Compilation

Steven Peckham

The question…

MPAS help,

This one will be a common error so let's get it out there early.

When compiling MPAS there is a series of messages that appear:

./checkout_data_files.sh
/usr/bin/git
*** trying git to obtain WRF physics tables ***
github.com[0: 204.232.175.90]: errno=Connection timed out
fatal: unable to connect a socket (Connection timed out)
Initialized empty Git repository in /scratch/MPAS-Release-1.0/src/core_atmosphere/physics/MPAS-Data/.git/
*** failed to obtain WRF physics tables using git ***
/usr/bin/svn

And directly below it the answer…

du...@ucar.edu 6/14/13

In this particular instance, it appears that 'git', 'svn', and 'curl' are all available, but in each case, the command couldn't connect. So, there may be problems establishing outgoing connections from the machine you're compiling on. Perhaps only ssh/scp/sftp are allowed from this machine?

Can you try running each of these commands on the command line to see if any of them work?

git clone git://github.com/MPAS-Dev/MPAS-Data.git

svn checkout --non-interactive --trust-server-cert https://github.com/MPAS-Dev/MPAS-Data.git

curl -o master.zip https://codeload.github.com/MPAS-Dev/MPAS-Data/zip/master

If none of these work, then it would appear to be a connection problem. In that case, you can manually download the files using any of these commands on another machine, locate the *.TBL and *.DBL files, and copy those to the directory MPAS/src/core_atmosphere/physics/physics_wrf/files/ on the machine you're compiling on. Then, just resume the build.

Note that, once the physics tables have been placed in MPAS/src/core_atmosphere/physics/physics_wrf/files/, they won't be removed by any Makefiles; hence, you should only have to go through the trouble of manually downloading the files once.

- show quoted text -

✓ Marked complete by **du...@ucar.edu**

Users Mailing Lists

douglasjacobsen edited this page on Jul 8, 2013 · 7 revisions

This wiki page provides information for subscribing to the MPAS User's mailing lists. Each core maintains it's own mailing list, and users should subscribe to the mailing lists for cores they are interested in. There is no general MPAS mailing list for users.

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Home

Keeping your fork in sync

Typical project workflow and setup

Useful Git Aliases

Users Mailing Lists

Clone this wiki locally

https://github.com/MPAS-Dev/

Clone in Desktop

MPAS User's Mailing List

The MPAS-User's mailing list is hosted at google groups. It can be found here.

In order to subscribe via the mailing list's website, a google account is required. Google accounts can be created with any email address (they don't need to be google email addresses). However, if you are not interested in creating a google account to subscribe, you can also send an email to mpas-users+subscribe@googlegroups.com from your email address of choice.

This mailing list can be used to discuss topics related to the shared parts of MPAS.

Atmosphere User's Mailing List

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Ocean User's Mailing List

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Ongoing MPAS development

MPAS capabilities development:

- Port of GFS physics to MPAS.
- Port of MPAS-A, MPAS-O to the Community Earth System Model (CESM).
  (coupled model applications, regional climate, nwp?)
- MPAS implementation in the Data Assimilation Research Testbed (DART).
  (Ensemble Kalman Filter Data assimilation)
- MPAS implementation for the NCEP-GSI (3DVar DA) NOAA/GSD.
- MPAS-Chem (planning stages, many groups outside NCAR).
- Scale-aware physics development for MPAS-A (many efforts outside NCAR).

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We will focus on (and support) a small number of physics suites.
We will support a small number of chemistry options.
We will support a small number of data assimilation options.
Model coupling: CESM, and perhaps an MPAS-specific coupling capability

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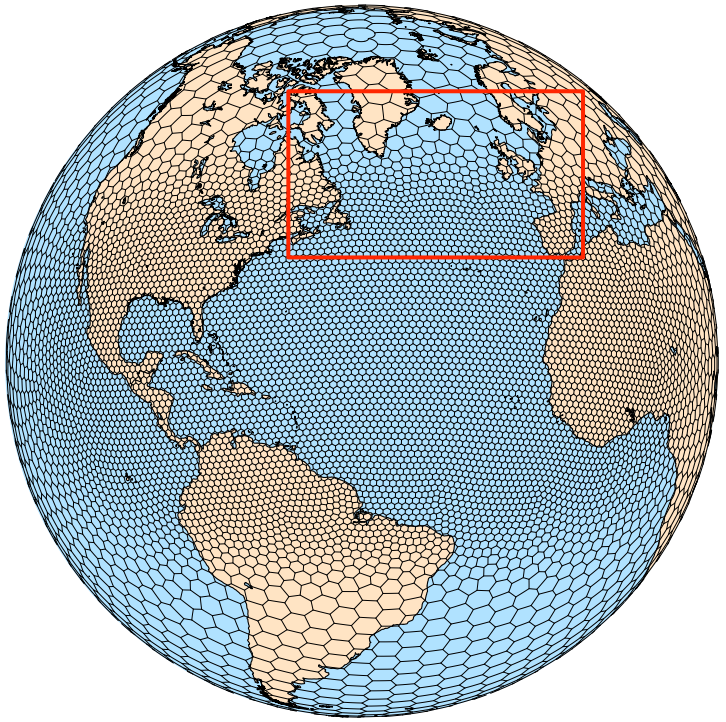

MPAS V2.1 release

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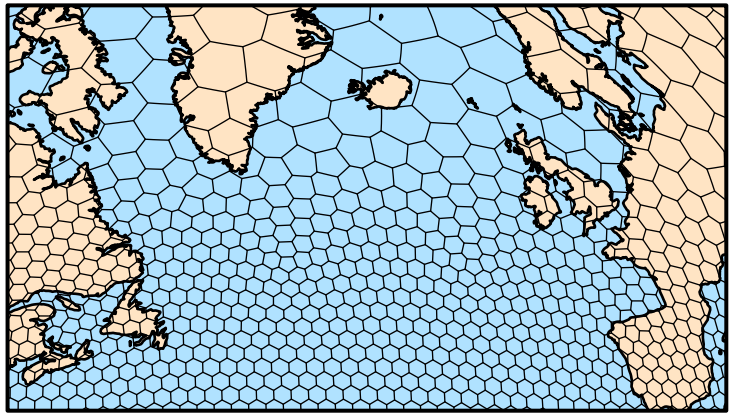

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