

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

TIE-GCM on a Mac

3 messages

David Herne <dherne@me.com>

Mon, Apr 6, 2015 at 11:55 PM

To: foster@ucar.edu

Dear Ben

I recently discovered TIE-GCM. My interest in part is in disturbances in the ionosphere affecting low-frequency radio astronomy observations. My own modelling is performed in Mathematica on a Mac. I wondered therefore whether or not you have encountered instances of this software compiled on a Mac under OS X and if so, whether you might have links. I have successfully ported Linux code but do not consider myself an expert at such by any means.

Thank you for the support of the model that you provide. I wish you every success.

Best wishes,

David Herne

Curtin University, Curtin Institute for Radio Astronomy (CIRA), International Centre for Radio Astronomy Research (ICRAR).

Ben Foster <foster@ucar.edu>

Tue, Apr 7, 2015 at 9:34 AM

To: David Herne <dherne@me.com>, Joe McInerney <joemci@ucar.edu>

David,

I have heard of TIEGCM being built on a Mac, but not recently. Currently we primarily use the Intel ifort compiler, with MPI library, netCDF, and ESMF libraries (although v1.95 does not require ESMF). The model is typically run with 4 or more processors, so is best on a linux cluster. Does the Curtin University have such a machine that you could use? On a Mac, you might have to run it serially, which would be slow for longer runs.

I do think its possible to build on the Mac, if you're up to the challenge. I have heard of a version of the intel compiler that is not too expensive. I can't take the time to do this myself, but would be glad to give you advice when you run into problems.

--Ben

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David Herne <dherne@me.com>
To: Ben Foster <foster@ucar.edu>
Cc: Joe McNerney <joemci@ucar.edu>

Tue, Apr 7, 2015 at 8:54 PM

Hi Ben

Thanks so much for your reply. Actually, I have access to a supercomputer, here:

<http://www.ivec.org>

I'll let this go for now though and perhaps in a few months might have opportunity to revisit possibilities.

Thanks again for your help and advice.

Best wishes, David.

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