

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

Question regarding TIE-GCM

2 messages

Karthik V <karthik0@vt.edu>
To: Ben Foster <foster@ucar.edu>

Tue, Aug 25, 2015 at 8:51 AM

Hi Ben,

I had a rather silly question for you today regarding the code in TIEGCM -

In cons.F, L351 :

grav = 870.

Do you happen to know why that is? Is that just the assumed value of gravity at the top most grid point of the model?

Thanks,

Karthik

Ben Foster <foster@ucar.edu>

Tue, Aug 25, 2015 at 9:33 AM

To: Karthik V <karthik0@vt.edu>, "Stanley C. Solomon" <stans@ucar.edu>, Art Richmond <richmond@ucar.edu>

Karthik,

The 870 gravitational constant in tiegcm corresponds to about 390 km, so not the top of the model, but well into the thermosphere, maybe zp=4. I am copying Art and Stan.

--Ben

[Quoted text hidden]

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