

Interactive comment on “Mesoscale temperature fluctuations in the stratosphere” by B. L. Gary

B. L. Gary

Received and published: 23 August 2006

The Interactive Comment EC S2541 by Editor B. Kaercher asked a pertinent question about latitude coverage and possible differences in my model fitting for Northern versus Southern Hemisphere latitudes, and the possibility of solving for a longitude dependence. When I checked my data base (which I last worked with as I retired 8 years ago), I was surprised to notice that all data were for the Northern Hemisphere. Much data exists for the Southern Hemisphere but it was not processed in a way that could be used for this analysis.

I will insert the following sentence on pg 7374, first line: “The present analysis is restricted to the Northern Hemisphere.”

In order to perform a meaningful search for differences between the hemispheres it would be necessary to double the amount of data in the analysis, in my opinion. To also search for a longitude dependence would possibly require an additional doubling

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

of data. The quadrupling of MTP data analysis for this purpose is unlikely to happen for two reasons: 1) I am retired, and 2) NASA funding for atmospheric studies appears to be diminishing.

Interactive comment on Atmos. Chem. Phys. Discuss., 6, 7369, 2006.

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper