

## ***Interactive comment on* “Evaluation of ECMWF ERA-40 temperature and wind in the lower tropical stratosphere since 1988 from past long-duration balloon measurements” by T. Christensen et al.**

### **Anonymous Referee #2**

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I found that this paper is basically sound and well written. The topic is relevant for anyone using ERA-40 data in the tropical stratosphere.

Detailed comments:

1. The data were extracted at 1.5 degree resolution, but 1.125 is available. Would this affect the results? 2. P2, left column, para. starting "similarly" What levels were discussed? 3. P2 right column. Change "A large number" to the actual number. 4. P4 bottom left. Maybe don't plot  $\Delta T_{\text{obs}}=0$ . 5. P5. bottom right. It could also be due to changes in the number and type of data assimilated. 6. P7 Figure 6. This should be at the same scale as Figure 4.

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Interactive comment on Atmos. Chem. Phys. Discuss., 7, 3423, 2007.

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