

***Interactive comment on “On the quality of the
Nimbus 7 LIMS Version 6 water vapor profiles and
distributions” by E. E. Remsberg et al.***

W. Lahoz (Referee)

wal@nilu.no

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The paper is very useful to the scientific community and is worthy of acceptance in ACP. In my opinion, the authors have addressed satisfactorily the points raised by referee 1. I understand the authors are making some changes to the text that should improve further what is already a good paper.

Consequently, and pending receipt of this new version, I would only ask that the authors consider making the following changes, which should make the paper clearer:

- (1) P. 17911, l. 20. Provide a reference for the statement regarding the increase of methane in the stratosphere;
- (2) P. 17916, l. 14: Provide a reference for the MLS website, i.e., give its http address;

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- (3) P. 17919, l. 23: I understand H₂Oe is 2*CH₄+H₂O, but as far as I can tell, this has not been introduced in the text. If H₂Oe is indeed this, please introduce it.

Interactive comment on Atmos. Chem. Phys. Discuss., 9, 17903, 2009.