

Interactive comment on “Transport and modeling of stratospheric inorganic chlorine” by D. W. Waugh et al.

Anonymous Referee #2

Received and published: 31 July 2007

Review of "Transport and Modeling of Stratospheric Inorganic Chlorine" by Waugh, Strahan and Newman

GENERAL COMMENTS

This is a short and sweet paper that comes to the point efficiently and effectively. The paper is well written and provides new results that will be of interest to a wide range of the ACP readership. It shows that getting the age of air right in models is not going to be the silver bullet for correctly modelling Cly. The analyses support the conclusions well.

My comments are all very minor and once these have been addressed the paper will be suitable for publication. I apologize for not being able to find more faults with this

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paper.

GRAMMAR AND TYPOGRAPHICAL CORRECTIONS

Page 1, column 2, line 6: Replace 'et at.' with 'et al.'

Page 1, column 2, line 9: Just to make things clear I think that you should replace 'later return of ozone' with 'later return of ozone to pre-1980 values'.

Page 1, column 2, line 31: Replace 'with estimate' with 'with an estimate'.

Page 2, column 2, line 11: Replace 'organic chlorine' with 'organic chlorine species'.

Page 2, column 2, line 15: Remove the parentheses around this sentence.

Page 3, column 1, first line after equation (2): Here and elsewhere in the paper you seem to use the word 'spectra' as the singular. It should be 'spectrum'.

Page 3, 7 lines after equation (3): Replace 'relationship are' with 'relationship is'.

Page 4, column 1, lines 2-3: Replace 'the modeled Cly are too low' with 'the modeled Cly is too low'.

Page 4, column 1, line 21: Replace 'has been' with 'having been'.

Page 4, column 1, line 34: Replace 'than the' with 'than in the'.

Page 4, column 2, line 2: Replace 'simulated' with 'simulate'.

Interactive comment on Atmos. Chem. Phys. Discuss., 7, 8597, 2007.

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