

Interactive comment on “Simple measures of ozone depletion in the polar stratosphere” by R. Müller et al.

R. Müller et al.

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We thank Diego Loyola for his comment concerning the use of GOME version 4 in preference to GOME version 3.1 total ozone data. We wholeheartedly agree with this comment and have replaced the version 3.1 GOME product with the version 4 GOME product in the total ozone database that is employed in our paper. All figures in the revised version are based on the updated database.

GOME data are used in our paper when neither Earth Probe TOMS nor OMI data are available i.e. in the second half of 1995 and the first half of 1996. Further, KNMI based retrieval of GOME total columns are generally used and the DLR retrievals are employed when KNMI retrievals are not available. Some differences caused by the use of GOME 4.0 data are noticeable in the new figures; in particular in the minimum ozone column (Fig. 3). This underscores the point made in the paper that minimum of daily

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minima of total ozone should no longer be used. However, overall, the results of our paper have not changed because of the introduction of the version 4 GOME product in our database.

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