

## ***Interactive comment on “OH in the coastal boundary layer of Crete during MINOS: Measurements and relationship with ozone photolysis” by H. Berresheim et al.***

**H. Berresheim et al.**

Received and published: 22 May 2003

1. This point has already been addressed in our reply to Referee #1, point 5.
2. These tests have been made frequently (not just a few). We have clarified that in section 2.2 and have added an uncertainty range (+/- 3%). This introduces an error of only about 2% in the values calculated for the pre-exponential factor  $a$  which is negligible.
3. At the end of section 3.1 we have enhanced our statement that tests for checking the potential influence of local biogenic NMHCs on the OH measurements were frequently done and that no significant effect was found. We have also added a reference to the companion study by Xu et al. (2003) who report that biogenic NMHCs were scarcely detectable.

4. The referee may have misunderstood this sentence, however, the wording was misleading and confusing and has now been changed and clarified. We do not neglect additional HOx sources in our calculations (as shown on the next page, see also reply to point 12 of referee #1), however, they turned out to be of minor importance.

5. There was an error in these numbers. They have been corrected. Both parameters, J(O1D) and J(NO2), show similar trends.

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Interactive comment on Atmos. Chem. Phys. Discuss., 3, 1183, 2003.

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