

The authors want to kindly thank all reviewers for their very fruitful comments and thoughts. We include below a point by point response to their suggestions.

Answers to the first referee

Specific comments

1. Introduction Page 28081, Line 2 – Suggest adding have before generally
done
2. Page 28082, Line 1 – Suggest adding experiments after chamber
done
3. Page 28082, Lines 13, 15, and 18 – The chemical formulas used have not been defined
All formulas are now defined in the text.
4. Acknowledgements Page 28092, Line 4 – Suggest changing author to authors
done
5. References Page 28092, Line 11 – Accent marks are missing from Prevot, Page 28093, Line 20 – Accent marks are missing from Prevot, Page 28093
done
6. Line 26 – Believe levels Of O-3 should be levels of O₃
done
7. Page 28093, Line 27 – Believe NO_x should be NO_x
done
8. Page 28094, Line 10 – Accent marks are missing from Prevot, Page 28094, Line 25 – Accent marks are missing from Prevot, Page 28095, Line 18 – Accent marks are missing from Prevot, Page 28095, Line 32 – Accent marks are missing from Prevot, Page 28096, Line 16 – Accent marks are missing from Prevot, Page 28097, Line 26 – Accent marks are missing from Prevot
done
9. Figure 2 -Believe f₄₃ on the y-axis of plot c should be in italics, Figure 4 -Believe f₄₄ and f₄₃ on the y- and x-axes should be in italics
done
10. Figure 5 -It looks like there is something overlapping with the units on the y-axis of plot
corrected

11. Supplementary Material Winter 2011 Page 1, Line 1 – Suggest removing the the before Winter

done

12. Supplementary Material Winter 2011 Page 1, Line 3 – Suggest changing peak a to peak at

done

13. Supplementary Material Winter 2011 Page 1, Figure S1 caption – In first line of caption suggest changing for the winter to during winter

done

14. Supplementary Material Winter 2011 Page 2, Figure S2 caption – Suggest changing for the winter to during winter

done

15. Supplementary Material Summer 2011 Page 3, Line 1 – Suggest removing the the before summer

done

16. Supplementary Material Summer 2011 Page 3, Figure S4 caption – In first line of caption suggest changing over the winter to over summer

done

17. Supplementary Material Summer 2011 Page 4, Figure S5 caption – In first line of caption suggest removing the the before summer

done

18. Supplementary Material Summer 2011 Page 4, Figure S6 – The units for EC should be ug C/m³

done