

## ***Interactive comment on “The Pasadena Aerosol Characterization Observatory (PACO): chemical and physical analysis of the Western Los Angeles Basin aerosol” by S. P. Hersey et al.***

**S. P. Hersey et al.**

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*The abstract is choppy and should be rewritten as a single paragraph*

Abstract has been re-written as a single paragraph and cleaned up to flow more smoothly.

*quintissential -> quintessential*

Changed.

*“The dominant fraction of aerosol is organic” -> “the dominant fraction of the submicron nonrefractory aerosol is organic” (since the statement is based on AMS data).*

C4959

Clarified that the dominant fraction of submicron nonrefractory aerosol is organic. This was clarified in the abstract, introduction, and conclusions to reflect that we are considering AMS data.

*Equation 3 contains the saturation ratio, not the supersaturation as indicated by the symbol “Sc” in the text.*

Thanks for the catch. Clarified in the text that the equation is for the saturation ratio (S) and changed Sc to S in the equation.

*soulution -> solution*

Changed.

*Many of the figure labels are unreadable without magnification. These figures need to be properly redrafted for publication in print.*

Increased font size for legends and axes on figures that were difficult to read.

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Interactive comment on Atmos. Chem. Phys. Discuss., 11, 5867, 2011.