

***Interactive comment on “Source attribution of climatically important aerosol properties measured at Paposo (Chile) during VOCALS” by D. Chand et al.***

**Anonymous Referee #1**

Received and published: 6 September 2010

In this paper authors report measurements of submicron aerosol composition, light scattering, and size distribution made at the elevated Paposo site on the Chilean coast as part of the VOCALS Regional Experiment. The relative importance of each aerosol source category is also reported. Several past studies have suggested that aerosols may modify global warming by changing the planetary albedo, but the sign and magnitude of the impact of aerosol on climate is still uncertain. This is because of the lack of aerosol chemical composition data. This paper is well written and report important new findings. I have evaluated this paper and recommend publication.

Minor comment:

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In section-3 (Results and discussion) authors may add a small section and discuss climate implications of the results (chemical composition) reported in this paper.

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Interactive comment on Atmos. Chem. Phys. Discuss., 10, 17853, 2010.

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