

***Interactive comment on “The Airborne Multiangle SpectroPolarimetric Imager (AirMSPI): a new tool for aerosol and cloud remote sensing” by D. J. Diner et al.***

**Anonymous Referee #1**

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The manuscript is full of technical descriptions of AirMSPI whereas the part related to AirMSPI retrieval algorithm is not presented. Qualitative analyses of AirMSPI images and data, carried out in the manuscript, show big potential of the instrument for the retrieval of aerosol/cloud/surface properties. That is expected result, since the advantages and possibilities of multi-angle, multi-spectral photo-polarimetric satellite measurements for aerosol/cloud and surface properties retrieval have been already demonstrated on POLDER/PARASOL and RSP measurements. I am looking forward to seeing the retrieved results from AirMSPI and their validation with AERONET. The retrieval algorithm will be an crucial tool for using full advantages of AirMSPI. Nevertheless, the manuscript corresponds to the scientific and technical quality requirements of

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AMT. I think it can be accepted for publication in AMT in the present state.

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Interactive comment on Atmos. Meas. Tech. Discuss., 6, 1717, 2013.