

Interactive  
Comment

## ***Interactive comment on “EARLINET: towards an advanced sustainable European aerosol lidar network” by G. Pappalardo et al.***

### **Anonymous Referee #2**

Received and published: 7 April 2014

The paper as part of a special issue collection gives a good technical and historical report on EARLINET. It is extensive in order to cover all details and gives the reader a good sense of completeness. There are a few remarks and suggestions covering typographical errors as some colloquial use of some terms that would be worth changing or clarifying.

LINE 14 Page 2932

Aerosol-cloud-radiation

LINE 4 Page 2936

Vibrational-rotational spectrum

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LINE 18 page 2939

Dark (current) measurement, telecover test and Rayleigh fits should be put in quotation marks, since they are a technique specific title for tests that are only used in the lidar community. Also a table summarizing all the information about these tests would give more fluence to the text. Finally I believe these test are made also when significant changes in the system configuration are performed.

LINE 10 Page 2940

theoretical which do not

LINE 11 – 12 Page 2941

Lidar and depolarization ratios

LINE 13-14Page 2941

Systematic differences and errors among all distinct inversion approaches.

LINE 26 Page 2955

Backward trajectories

LINE 7 page 2952

ALINE aka LALINET, Latin American Network (and not South American Network as referee #1 pointed out)

Figure 4 has very poor resolution

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Interactive comment on Atmos. Meas. Tech. Discuss., 7, 2929, 2014.

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