

## ***Interactive comment on “Aerosol optical properties as observed from an ultralight aircraft over the Strait of Gibraltar” by Patrick Chazette***

### **Anonymous Referee #1**

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General comments This paper reports observations using a lidar on an ultralight aircraft and a ground-based Raman lidar. The subject is interesting, and the manuscript is generally well written. However, it requires minor revisions.

Specific comments Page 4, line 7: “(See Figure 1, ..” should be “(See Figure 2, ..”

Figure 2: What is the definition of the angle of the line of sight? (What is the angle mentioned in line 20 of page 5 “+ 10deg”? What is the definition?).

Figure 4: It would be more impressive if the vertical distributions along the aircraft path are discussed in more details.

Page 7. 3.3 Cross-calibration: The legend of Figure 5 “Airborne lidar” is confusing. It is not airborne. It should be clearly described that both lidars are pointing vertically from

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the ground.

Figure 7 and the figure caption: “NITENDO”? “SUSIE” isn’t it?

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