

# ***Interactive comment on “The performance and the characterization of Laser Ablation Aerosol Particle Time-of-Flight Mass Spectrometry (LAAP-ToF-MS)” by Rachel Gemayel et al.***

## **Anonymous Referee #3**

Received and published: 16 February 2016

This manuscript describes a new bipolar laser ablation time of flight mass spectrometer, with some comparisons to existing instruments. Also some real-world measurements are shown.

A longer, deeper and more systematic discussion would definitively help this manuscript. For inspiration see e.g. <http://www.atmos-meas-tech.net/6/3225/2013/amt-6-3225-2013.pdf>

General comments:

a) replace ToF-MS with TOFMS (because hyphens shall indicate that two components are combined)

Full screen / Esc

Printer-friendly version

Discussion paper



b) never omit units (sometimes omitted in the manuscript)

Corrections:

line 54 (minor) Poeschl

line 121 (minor) Tofwerk, BTOF

line 170 (minor) multiplication dots misaligned

line 210 (minor) "The alingments" -> describe better which one

line 281 (minor) scattering efficency somewhat wrong term (if particles not there any-more)

Figures in general: if a non-vector based image-format is really necessary then use png (or jpeg-quality=100% to get rid of jpeg artefacts).

figure 1 add arrow for particle and laser direction

figure 8 explain fit (or state its only for visibility /guiding the eye)

---

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2015-356, 2016.

Full screen / Esc

Printer-friendly version

Discussion paper

