

## ***Interactive comment on “Demonstration of an off-axis parabolic receiver for near-range retrieval of lidar ozone profiles” by Betsy M. Farris et al.***

**Dickerson (Editor)**

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Reviewer 1 They have responded adequately to my comments.

On the newest version of the manuscript I did notice a couple of small items: page 5, line 12, there is a red period after (Gronoff et al., 2018). page 5, line 23 - period after Aug (inconsistent with previous Aug abbreviation) Figure 5 - period after the caption is missing.

Reviewer 2 Final comments on Farris et al. (2018, AMTD):

Comments all refer to the tracked-changes manuscript.

The two added abstract sentences on lines 17-20 are at least partially incorrect and

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unclear. I think I know what they're saying, but it's messy. According to Tables 1 and 2 and in the text, the Lidar is biased high compared to the sondes, and biased low compared to the UAV, which is not what they say in the current abstract.

How about something like “Absolute O3 differences averaged 7% between lidar and ozonesonde data from 0.1 to 1.0 km, and yielded a 2.3% high bias in the lidar data, well within the uncertainty of the sonde measurements. Conversely, lidar O3 measurements from 0.1 to 0.2 km averaged 10.5% lower than coincident UAV O3.”

The suggested addition to Figure 4 looks great and I think Table 1 is improved and presented more clearly.

Need to put that they're comparing ppbv somewhere in Table 2 or its caption.

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2018-178, 2018.

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