

Interactive comment on “Comparison of nitrous oxide (N<sub>2</sub>O) analyzers for high-precision measurements of atmospheric mole fractions” by B. Lebegue et al.

S. Sargent

ssargent@campbellsci.com

Received and published: 21 December 2015

I'd like to thank the authors for writing this paper. As a designer of such analyzers, I find it a pleasure to see such an excellent independent performance evaluation. I have no additional technical comments to offer beyond what has already been suggested by the other reviewers.

I do want to offer one comment related to a statement from anonymous referee #2:

"...presents a comprehensive comparison between literally all currently available measurement techniques for nitrous oxide..."

Campbell Scientific has provided tunable diode laser trace gas analyzers for N<sub>2</sub>O from 1993 to mid 2012, when we lost our vendor for lead-salt diode lasers. We reentered the market with analyzers using room-temperature interband cascade lasers in 2014. This period of unavailability corresponds with the measurements presented in this study.

The paper makes no claim to be all inclusive, and I simply suggest the authors not add such a claim.

Thanks again for an excellent paper

**We thank you for your interest in our paper. We don't and won't make a claim to have made a comparison between all currently available measurement techniques, but we do claim to have made the most complete comparison of N<sub>2</sub>O instruments.**

**We are happy to know that you reentered the market of high-precision measurement of atmospheric mole fractions.**