

Atmos. Meas. Tech. Discuss., community comment CC1
<https://doi.org/10.5194/amt-2020-481-CC1>, 2021
© Author(s) 2021. This work is distributed under
the Creative Commons Attribution 4.0 License.

Comment on amt-2020-481

Nobuhiro Matsumoto

Community comment on "Intercomparison of O₂/N₂ ratio scales among AIST, NIES, TU, and SIO based on a round-robin exercise using gravimetric standard mixtures" by Nobuyuki Aoki et al., Atmos. Meas. Tech. Discuss., <https://doi.org/10.5194/amt-2020-481-CC1>, 2021

Dear Authors,

I'd like to have a request on addition of the following two papers.

Matsumoto, N., Watanabe T., Maruyama, M., Horimoto Y., T. Maeda, T., Kato, K. : Development of mass measurement equipment using an electronic mass-comparator for the gravimetric preparation of reference gas mixtures, Metrologia, 41, 178-188, <https://doi.org/10.1088/0026-1394/41/3/011>, 2004.

Matsumoto, N., Shimosaka, T., Watanabe, T., Kato, K. : Evaluation of error sources in a gravimetric technique for preparation of a reference gas mixture (carbon dioxide in synthetic air), Anal. Bioanal. Chem., 391, 2061-2069, <https://doi.org/10.1007/s00216-008-2107-8>, 2008.

The preparation of gravimetric standard mixtures in this preprint used the revised equipment of home-made equipment described in the above references.

Thank you very much.

Best regards,

Nobuhiro Matsumoto

NMIJ/AIST