

Atmos. Meas. Tech. Discuss., community comment CC7 https://doi.org/10.5194/amt-2021-40-CC7, 2021 © Author(s) 2021. This work is distributed under the Creative Commons Attribution 4.0 License.

## **Reply on AC4**

Aaron Smith

Community comment on "Four-dimensional mesospheric and lower thermospheric wind fields using Gaussian process regression on multistatic specular meteor radar observations" by Ryan Volz et al., Atmos. Meas. Tech. Discuss., https://doi.org/10.5194/amt-2021-40-CC7, 2021

There seem to be a controversy regarding the prior use of WGS84 geometry. The use of WGS84 ellipsoid geometry is clearly described in the Stober et al. 2018 manuscript: https://doi.org/10.5194/amt-11-4891-2018. However, the cited M.S. thesis from M. Clahsen does not have an ISBN/DOI code and thus is not available for readers. I found the website of Leibniz-Institute of Atmospheric Physics at Rostock University providing their thesis works:

## https://www.iap-kborn.de/en/research/publications/thesis-master-diploma-phd

Unfortunately, no M.S. thesis from M. Clahsen is listed. There is a bachelor thesis from M. Clahsen (in German), dating back to 2015, which does not mention the WGS84 geometry. It would be beneficial for readers to share the cited M.S. thesis, either through the Institute website, or, if not possible, in the discussion forum here.