Reply on RC2
William G. Read et al.

Author comment on "The SPARC Water Vapor Assessment II: assessment of satellite measurements of upper tropospheric humidity" by William G. Read et al., Atmos. Meas. Tech. Discuss., https://doi.org/10.5194/amt-2021-300-AC2, 2022

Thank you for the review.

I have incorporated the changes requested except.

I am not convinced that looking at day to day variability of a volume averaged measurement is the same as a measure of the variability within the volume which is what I need to know. Also the repeat overpass repeat time is approximately 5 days. Thus I haven't added this.

I agree that plotting the phase and amplitude information in a polar style plot is a more elegant way to present this information. I have decided not to do this because it would further delay this already late publication by a month and a separate panel is needed for each height. The current format displays the information as a vertical profile.

All other concerns are addressed.