Editor's Comments:

I hereby accept your manuscript describing the use of ground based observations to study the cloud processing of DMS oxidation products for publication in ACP. There is just one technical point I noticed in line 76, where you write CH3SOO2 as the first intermediate in the oxidation of MeSH. Is this correct, or should it be CH3SOO? I suggest you carefully check the chemical formulae in this sentence when preparing your files for publication.

Author's Response:

Thank you for the support on this manuscript and for the careful review. We have checked the version of the manuscript we submitted following reviewer's comments and it does not mention CH3SOO2. We write that CH3SOO is the first intermediate of MeSH, as you indicated as well. We have also confirmed this chemistry is correct based on the referenced material.

Below is the relevant text:

"The OH-oxidation of MeSH and subsequent O_2 addition forms the CH_3SOO radical; the CH_3SOO radical isomerizes to CH_3SO_2, which has a temperature-dependent branching ratio forming SO_2 or MSA (Chen et al., 2023). Recent computational work has shown the SO_2 yield from CH_3SO_2 is 99% at 300 K, but drops to 4% at 260 K (Chen et al., 2023)."