

The revised manuscript meets the quality demands of the Journal Atmospheric Chemistry and Physics, and can provide helpful supporting information to the related scientific community with regard to the involved research topic. I suggest it to be accepted for publication, but still some technical corrections need to be done before the acceptance, as shown below:

Page 1, line 11: "...respond to temperature," Please add "variation" after "temperature".

Page 1, line 13: "...in active COS and CO-consuming..." It is better to add "-" after "COS", to make it have the same format as "CO-". This applies to the others in the main text.

Page 2, line 8: "...their sinks through the OH radical." Please add "reactions with" after "through", to make it more clear to be understood.

Page 2, line 30: "...depending on physical and..." Please add "their" before "physical".

Page 4, line 31: "...the porosity of ..." Please change "the" to "a".

Page 5, line 3: "The instrument has overall..." Please change "has" to "had".

Page 6, line 19: "...the vent at the top of ..." Please change "the vent" to "a vent".

Page 6, line 30: "...is the flux rate to determine." Please change "determine" to "to be determined".

Page 8, line 10: "The deposition velocity..." Please explain this sentence in more details. It is hard to understand why the weak diurnal variability of COS deposition velocity is due to the depleted canopy COS concentration at night and the nocturnal canopy COS uptake.

Page 9, line 19: "...despite the correlation..." Maybe it is better to add "overall higher" in front of "correlation".

Page 9, line 29: "...the gross uptake..." What does the gross uptake mean? Please give an explanation for easier understanding.

Page 11, line 17: It is better to remove "for further investigation."

Table 2: For the footnote, either remove the dagger symbol at the very beginning, or remove the explanatory part "the correlation values are labeled with a dagger symbol". Because both are giving the same meaning.

Figure 1. caption: "(see sect. 2.4 for details)." Please change "sect." to "Sect.".

Figure 6. caption: “(or 95.5% C.I.)” Please use “confidence interval” instead of its abbreviation form for easier understanding.