

Report #1

Anonymous referee #2

The authors have addressed my previous questions and comments. I have two further comments:

(1) Unfortunately, Figures 1, 2, and 4 are still of low quality. They should be replaced with higher resolution version or vectorized version instead of raster if possible.

I have replaced Figures 1, 2 and 4 with higher resolution plots.

(2) For the title, "intercomparisons of" and "model comparisons" seem to be duplicated. Maybe considering changing "model comparisons" to "model simulations".

Thanks for the suggestion. We adopted "model simulations" in the title.

Report #2

Anonymous referee #1

Lines 30-34, Line 74: Does the journal accept website references like that? I suggest citing the seminal papers associated with each instrument instead. This is, after all, a scientific publication.

Thanks for the suggestion. We updated the manuscript to cite the original papers for the satellite instruments.

Line 52: The new title for Section 2.1 suggests that there are "two satellite observations", but I think they mean two sources of satellite observations.

We changed 2.1 to "CO retrievals from two satellite observations".

Line 94: "We selected a few days TROPES" ... add "of"

Corrected.

Line 137: "Sept 2020" should be written out

Corrected.

Line 140: "derived from similar atmospheric model" ... add "a"

Corrected.

etc.