

Anonymous referee #2

Thank you for further technical corrections, below we corrected as follow:

Technical corrections are needed regarding grammar - some of the amendments don't make sense: e.g. "The so called "world avoided" case is interesting because it allowed estimating advantages of Montreal Protocol implementation, which was associated with certain difficulties and motivating reasons to perform extreme case without MPA restrictions are described in Newman et al. (2009)."

We rewrite this sentence and made small addition:

The so-called "world avoided" case (without MPA) is interesting because it allows an evaluation of the advantages of the Montreal Protocol implementation and helps to further convince the society about the necessity of this action (e.g., Newman et al. 2009). Besides this, it represents an interesting extreme sensitivity case for global models allowing to learn more about the mechanisms of how atmospheric radiation, chemistry, and dynamics are interacting. Each of the past studies, made with models of different levels of complexity and interactivity, have discovered many new details of the avoided atmospheric and climatic effects compared to what have been initially hypothesized, when the MPA action was taken.

And: "The statistical significance of all results shown in the following sections has been calculated using t-test t-test with a two sided 90 % -level."

We corrected this sentence as follow:

The statistical significance of all results shown in the following sections has been calculated using two-sided t-test with a 90 % significance level.

Line 185 - correct to Type I PSCs.

We corrected it accordingly.

Table 1 - I think this should say "yes for radiation"

We corrected it accordingly.