

Interactive comment on “First description and classification of the ozone hole over the Arctic in boreal spring 2020” by Martin Dameris et al.

Martin Dameris et al.

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Dear Gloria, dear Jens-Uwe,

for the first time record low total ozone columns around or below 220 DU were detected over a period of five weeks in spring 2020, which covered a larger area of the Northern polar region. The Arctic situation in March and early April was exceptional because it showed a persistent ozone hole-like pattern. In this case using the term “Arctic ozone hole” is probably a matter of opinion. But we got your (and also Ingo Wohltmann’s) point! It was definitely not our intention to “transport sensation” or dramatize or overdraw the situation in Arctic spring 2020, which allow the reader to draw wrong conclusions with respect to Antarctic conditions. Therefore we will rephrase the

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manuscript (including changing the title) accordingly. We will make it clearer that the corresponding total ozone column values for an Antarctic ozone hole are much lower and that the covered area is much larger, and that the Arctic conditions are not comparable with the Antarctic. The corresponding figures will include comparable values for the Antarctic and they will be discussed in detail.

Best regards, Martin Dameris (for the author team)

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