

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

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Dear Gloria,

thank you for your detailed comments regarding our manuscript. Your scientific remarks are appreciated and we will consider your points in the revised version of our paper.

A short reply to your points regarding the term “Arctic ozone hole” and with respect to the missing references in our manuscript, in particular those of the JGR/GRL special issue on the winter 2019/2020: we answered these two points in the short replies to Ingo Wohltmann’s review and to the short comment given by you and Jens-Uwe Grooß. In summary, in the revised manuscript we will also compare the Arctic values with respect to corresponding Antarctic values, and we will no longer call it an Arctic

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ozone hole. And, of course, the respective literature presented in the JGR/GRL special issue will be cited and the results will be discussed in the revised manuscript.

Your point (which was also raised by Ingo Wohltmann) regarding “the claim of being the First”: It was not our intention to claim that we are the first who have detected such low total ozone values. What we would like to say in our submitted paper (and title) was that it is a general, initial overview of the winter/spring 2019/2020. So the choice of word was wrong. On the other hand we said that for the “first” time such (record) low values have been detected over the Arctic for such a long period. Maybe the formulations of the respective sentences were also misleading. In the revision of our paper we will change the wording and hopefully such misunderstandings will be avoided.

Best regards, Martin

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