

Response to Luke Trusel

Comments received on 31 December 2024

Thank you for your considerate and helpful review of our manuscript “Multi-annual patterns of rapidly draining supraglacial lakes in Northeast Greenland.” We are glad the manuscript was overall well received and appreciate the constructive feedback.

Regarding the first main comment you made, we agree that looking into the relationship between drainage occurrence and maximum depth could reveal patterns not seen when comparing to lake volume. We will analyze max lake depth for the most frequently draining lakes in Figure 4 and assess whether any new information has been gained. If so, we will integrate it into the figure and discussion. Your second main comment provides helpful insight into a logical explanation of the more extensive rapid drainage occurrence in 2019 following the cold year of 2018. We will integrate this idea into our assessment of summer air temperature and drainage patterns in Section 4.2. Finally, we will gladly adjust our manuscript to include all specific editorial comments that you mentioned.

Thank you again for your constructive review.

Sincerely,

Katrina Lutz and co-authors