Dear Dr. Martina Krämer,
Senior Editor 'Clouds & Precipitation', Atmospheric Chemistry and Physics

We would like to thank you for the comments and suggestion to our manuscript. Please find below the corresponding point-by-point reply to every recommendation.

1) I would rephrase the title, this version sounds rather awkward:

'Observed modulation of wintertime Western Arctic mixed-phase cloud properties
by sea ice conditions, their long-term variabilities and trends'

Here is an alternative suggestion that I think is easier for readers to understand:

'Western Arctic wintertime mixed-phase clouds:
Observed modulation by sea ice conditions, long-term variabilities and trends'

Answer: We consider that the suggestion for the paper‘s title is appropriate and the change has been implemented.

2) Also according to the author guidelines, every article must include a 'Conclusions' section with specific content (see the text from the website below). The section should be self-explanatory, I would recommend starting with a brief outline of the study’s objective within the context of atmospheric research.
Please note that the final point in the list below - 'Discuss what the results mean for our understanding of the state and/or behaviour of the atmosphere and climate' is the most important one that should be included in the 'Conclusions' section.
I suggest reworking the final chapter of the manuscript, ‘4 Discussion and Summary’, to ‘4 Conclusions’, which already includes many of the requirements.

Answer: The section „4 Discussion and Summary“ has been changed to „4 Conclusions“ (Page 20, Line 376) following the journal guidelines. Similarly, the content of the section has been adapted in accordance with the recommendation.