Dear Prof. Daniel,

I am Fan Bo, the student working on microphysics in continental climates. I am writing to express my sincere gratitude for your insightful and valuable comments on my work. Your feedback has been instrumental in helping me identify the key areas that need improvement.

I have carefully reviewed your comments and have identified four main issues that need to be addressed: about introduction, methodology, environmental statistics, and future directions. I am currently working on resolving these issues to enhance the quality of my research.

**Introduction:** You pointed out that there are relevant studies in the American high plains that I should refer to. I will thoroughly review these studies and incorporate them into my introduction to provide a more comprehensive background and context for my research.

**Methodology:** You asked if I track the storms, but my answer is no. My focus is primarily on the convective precipitation and statistics. The one-month observation period provides over 50 cases (with more than 5 cases each day, spread across about 10 days), which offers a substantial sample size for statistical analysis. However, I understand the value of tracking convection, and I may consider doing it manually to create a comprehensive table that fulfills the experimental dataset and enhances its meaning.

**Environmental Statistics:** This is perhaps the most critical area that needs improvement. You emphasized that Cloud Base Temperature (CBT) or Lifting Condensation Level (LCL) should be the primary parameters for statistical analysis. I will prioritize this parameter and analyze it together with warm rain and cold cloud processes. I will also work on improving the clarity and completeness of my explanations in this section. If necessary, I will then proceed to examine other parameters and lastly think about aerosols.

**Future Directions:** The current statistical analysis of environmental parameters lacks sufficient evidence to establish a robust correlation between environmental conditions and the unique microphysical characteristics observed. Following your suggestion, I will conduct a more comprehensive statistical evaluation of a broader spectrum of environmental parameters and perform sensitivity tests to identify key factors influencing the microphysical processes. Once these factors are identified, I will investigate the underlying mechanisms through which they modulate the microphysical characteristics. This approach will enhance the scientific rigor and credibility of my research.

Once again, thank you for your guidance and support. The insights I gained from our meeting were invaluable, and the dinner was a wonderful opportunity to connect beyond just professional matters. I feel both inspired and motivated to move forward. I am confident that addressing these issues will significantly enhance the quality and impact of my research.

Regards,

[Fan Bo](mailto:bofan@smail.nju.edu.cn)