Earth Syst. Sci. Data Discuss., referee comment RC2
https://doi.org/10.5194/essd-2021-241-RC2, 2021
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Comment on essd-2021-241

Anonymous Referee #2

Referee comment on "High-frequency observation during sand and dust storms at the Qingtu Lake Observatory" by Xuebo Li et al., Earth Syst. Sci. Data Discuss., https://doi.org/10.5194/essd-2021-241-RC2, 2021

General comments

The authors show the high frequency observation weather variables and PM10 during the sand and dust storms. This topic is very interesting and valuable. It would be great to show or discuss the difference between the variables during SDS days and those during normal days. Such comparison would make the study more complete. Validations of the observations before and after the SDS are required, because the SDS may damage the equipment. The paper is generally clear despite of some gramma mistakes.

Specific comments

- Line 7: Make the unit m and meter consistent, and throughout the paper as well.
- Lines 51-52: How did you overcome the observation difficulty in this work?
- Lines 115-116: The sentence is too long and too confusing.
- Line 132: Remove “current”.
- Line 235: Put (Fig. 9) at the end of the sentence and remove “see”.