

Interactive comment on “A Six-year long (2013–2018) High-resolution Air Quality Reanalysis Dataset over China base on the assimilation of surface observations from CNEMC” by Lei Kong et al.

Anonymous Referee #2

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This paper presents a six-year reanalysis of air quality in China, providing data for six criteria air pollutants at 15 km spatial resolution and hourly temporal resolution. This is a unique data set and the methods for producing it appear to be sound. I presume that there will be some demand for the data set, although it would have been good to get a more specific identification of stakeholders from the paper.

The main problem I have with the paper is that the writing is atrocious. The title is ungrammatical (should ‘base’ be “based”?), the first sentence of the abstract is vapid, and it doesn’t improve from there. The paper is basically unreadable. I don’t know to

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what extent this matters for an ESSD publication, but as a reader I would feel that if the paper is that bad then the dataset must be bad too. It's not clear to me what to do about this except to request that the authors rewrite their paper to abide by grammatical, clear, and concise language - I will leave it to the Editor to decide whether this is an appropriate request.

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