

Interactive comment on “Crowdsourced Air Traffic Data from the OpenSky Network 2019–20” by Martin Strohmeier et al.

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First of all, we all appreciate the very thoughtful review of Dr. Proud. We are very happy to take the suggestions on board. We will fix all the unnecessary typos and text issues, of course, thanks for pointing them out so thoroughly. In the following, we will respond to the remaining comments:

1. Yes, the dataset is updated monthly and now available until the end of August 2020. We will post the update for September in the coming days. Originally, we planned this as a special service during the pandemic, which will clearly still go on for the foreseeable future. Depending on demands and time constraints we may choose other than monthly update cycles at some point in the future.

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2. We will add a comment about the discontinued anonymous feeding feature (and refer the very interested reader to [1], where it is discussed in detail).
3. The accuracy verification of the airport predictions using external data is an excellent idea! We will look into what kind of data we can obtain to run such an assessment for future updates.
4. The first timestamp is used in case the message is received multiple times (which is indeed typically the case).
5. The flight separation (incl. first/last seen times and altitude) is done on airborne reports. Depending on the use case other design choices may be preferable (where people are interested in taxiing/block times) but we did not want to add too many fields to the dataset at this point. If there's the demand for it, we are happy to investigate it for future updates. Similarly, we will look into the added processing requirement for the average altitude.
6. Thanks for pointing out the readability issues in Figures 4 + 5, which are indeed web-optimised. We will refactor them for the revised/finalised version.

[1] Schäfer, M., Strohmeier, M., Smith, M., Fuchs, M., Lenders, V., and Martinovic, I.: OpenSky report 2018: assessing the integrity of crowd-sourced mode S and ADS-B data, in: 2018 IEEE/AIAA 37th Digital Avionics Systems Conference (DASC), pp. 1–9, IEEE, 2018.

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