Review of “The Large-eddy Observatory - Voitsumra Experiment 2019 (LOVE19) with high-resolution, spatially-distributed observations of air temperature, wind speed, and wind direction from fiber-optic distributed sensing, towers, and ground-based remote sensing”

General comments

Overall, the manuscript is well-structured and presents a comprehensive overview of the data and potential applications. The FlyFOX-V fine resolution data from 2m up to 200m stands out with its potential for novel insights on boundary layer processes.

Specific comments

1. Were there any rain events during the campaign? It would be useful to discuss/mention if there are effects of rain or variability in relative humidity in the accuracy of the different measurements.

2. Lines 227-229: Could the data from the cable length connecting to the trailer also be useful? Maybe also consider providing these data.

3. Figure 5: The biases appear to be systematic (positive in 5a, and negative in 5b and 5c). Elaborate why this is case. If the biases are systematic a correction should be possible.

4. Section 7: It could be useful to discuss conditions for longer-term monitoring with FODS.

Technical comments

1. Line 49: Replace “and” for “;”.

2. Figure 5: I don’t see the thin grey lines mentioned in the caption.

3. Line 435: Revise the sentence.