

## **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.