Comment on amt-2020-483
Anonymous Referee #3


The present work presents the results obtained using an original open-source low-cost sensor (LCS) system developed to measure tropospheric O3 in a remote high altitude alpine site. Intra and inter-comparison between sensors and reference (Thermo 49c) had been conducted for seven months. The authors analyzed the effects of environmental factors on sensors' performances. The work is novel but similar works have been reported in recent a decade. It may be the first work in an alpine site, but it isn't the first work in a remote environment. In general the data analysis discussing for one sensor is enough for this work such as in figure 4, 5 and 6. The manuscript is a little wordy and is large in page scale. All tables are too simple to be understood by the reader and more detailed information have to be added. The RH and temperature are the important factors to sensors performances so the authors can be improve the conditions to sensor. More discussion can be focused on the point.

There are specific comments as the followings.

In figure 1 it is better to show the sampling site in a larger scale of map in bottom panel.

The section of 4.2 can be deleted from the paper since it is unnecessary information.

The section of 3.1 Laboratory calibration of LCSs can be more concise since the section is unimportant in the work. The authors can be pay more attention on the field employment.

In section 4.2 line 345, this sentence is complicated to reader and can be simpler.