

We would firstly like to thank the reviewer for the favorable appreciation of the manuscript. Below we address the requests brought forth by the reviewer. They follow the requested format by AMT. Reviewer requests are in green followed by the author's response.

Request 1: It may be necessary to illustrate one or two examples of scientific studies one could do with such high precision measurement in the CERN CLOUD chamber.

The manuscript was kept somewhat vague in regards to preformed experiments in order to focus on the quality and implications of the preformed measures. Several examples of studies preformed at CLOUD which require very accurate temperature control have been added to the introduction section.

Request 2: The authors have mentioned in the text the importance of precise temperature measurements but a concrete example of an experiment that has been carried out in the CLOUD chamber will be more convincing to the readers.

Two factors are weighted in the decision to not include specific experiment details. Firstly, we would like to stress the need to not bog the user down in experimental details that do not concern temperature measurements. Secondly, in every CLOUD campaign, several experiments are performed every year, such that, while some similarities exist, experiments are performed by different institutes and operators. As stated in the previous answer, several examples of different experiments preformed in CLOUD are now provided in the introduction section for the more curious readers.