

List of edits

- added "during the Pallas Cloud Experiment - 2022" on Line 2 for RC1
- "These measurements are intended to expand on the previous campaign since they form an extended dataset with the uncertainties already evaluated by previous experimental work" added to the abstract for RC1.
- added a paragraph in the introduction to clarify the purpose of these measurements for RC1.
- L10 - climate models changed to earth system models for RC1.
- L11 - added references to polar clouds specifically for RC1.
- Added a clarification of the intended use of the dataset at the end of the introduction for RC1.
- Rephrased L11 slightly for RC1.
- UCASS explanation expanded on for RC1 on L22.
- Changed methods section heading for RC1
- Fixed corrupted references.
- Updated caption of Fig. 3 to state that it was a representative profile.
- Explained why the data are in the time domain for RC1
- Collapsed all subsections into master sections.
- Added in depth discussion of the data retrievals for RC1.
- Altered the start of the flight information section with more information about the cloudy conditions for RC1.
- flight information and constraints was renamed to flight information and conditions for RC1.
- "one of a number of algorithms" now expanded upon on L87 for RC1.
- data analysis and data qa sections split apart for RC1.
- cross reference for exact ucass flight constraints on L95 added for RC1.
- Expanded the apparatus section for RC1.
- L101 rephrased for RC1.
- Added paragraph discussing co-location error at the end of data QA for RC1.
- Clarified that Fig. 5 and 6 are using altitude above sea level for RC1.
- Paragraph added to the summary with the intended uses of the data for RC1.
- date now added to citation on L74.
- QA now spelled out in section title for RC1.
- References to warm cloud changed to liquid cloud for RC2.
- added information on ice crystal encounter chances for RC2.
- explanation of data levels given for RC2.
- space added after degrees symbol on L68.
- spacing in units fixed for RC2
- full stop added to end of sentence
- Senserion changed to Sensirion
- Bosh changed to Bosch.
- n/a defined in caption of Table 2.
- changed in-situ to in situ.
- Added to the end of the apparatus section to give more information about the temperature sensor housing.
- fixed DOI links for RC3
- Citations to Brus et al 2025 now fixed.
- changed figures 5 and 6 to include error
- added to the discussion of figures 5 and 6
- added equations for the error in the plots.