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Assessing the severity of ice contamination in processed data sets with a combination of statistical tools and machine learning in AUSPEX

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The automatic identification of these Debye–Scherrer rings after data processing and merging is difficult, hence we explore two automatic approaches: statistical testing and machine learning. Combining the strengths of both methods, the new assessment shows quantitatively, at the potential ice ring ranges, how severe the intensity observations are affected by the presence of ice rings.

Primary authors: THORN, Andrea (Julius-Maximilians-Universität Würzburg);   GAO, Yunyun (University Hamburg); KNOLTE, Kristopher

Presenter: GAO, Yunyun (University Hamburg)

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