Contamination Working Group: Status & Plans

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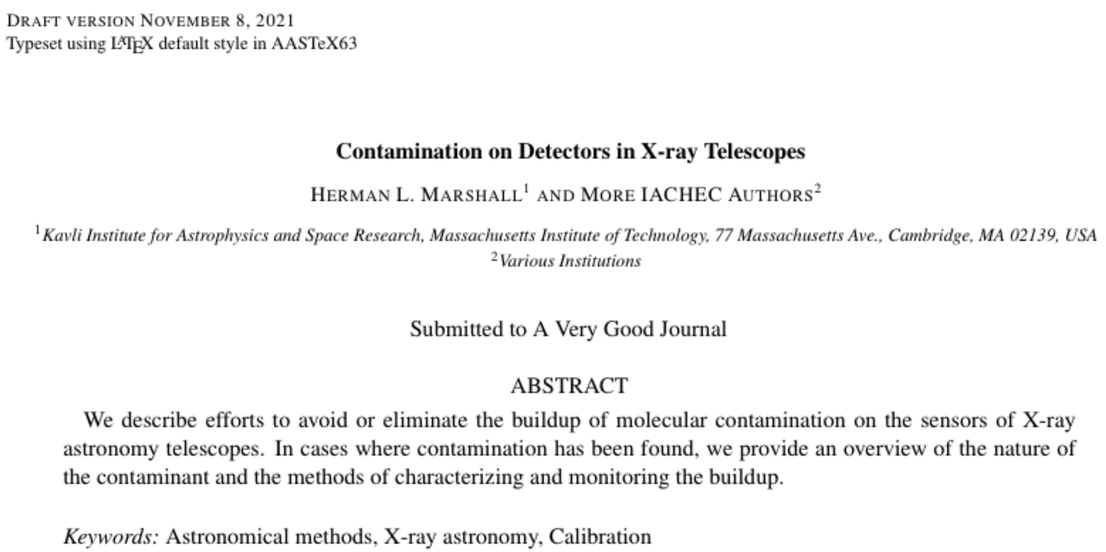
May 16, 2024

Goals and Status

- Goals
  - Update and compare contamination models
  - Generate a white paper on mitigation and analysis
- Updates
  - Chandra ACIS (A. Bogdan, H. Marshall)
    - contamination is still growing, model is good
  - Still mild/none on XMM instruments
  - (Still) none on eROSITA
  - XRISM Xtend: only limits to contamination!
- No progress on white paper

White Paper Plan

- Develop on overleaf, link to edit was distributed
- Review progress monthly
- Target completion by next IACHEC Plenary
- Initiate as white paper, decide on journal later



DRAFT VERSION NOVEMBER 8, 2021
Typeset using LaTeX default style in AASTeX63

Contamination on Detectors in X-ray Telescopes

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Submitted to A Very Good Journal

ABSTRACT

We describe efforts to avoid or eliminate the buildup of molecular contamination on the sensors of X-ray astronomy telescopes. In cases where contamination has been found, we provide an overview of the nature of the contaminant and the methods of characterizing and monitoring the buildup.

Keywords: Astronomical methods, X-ray astronomy, Calibration