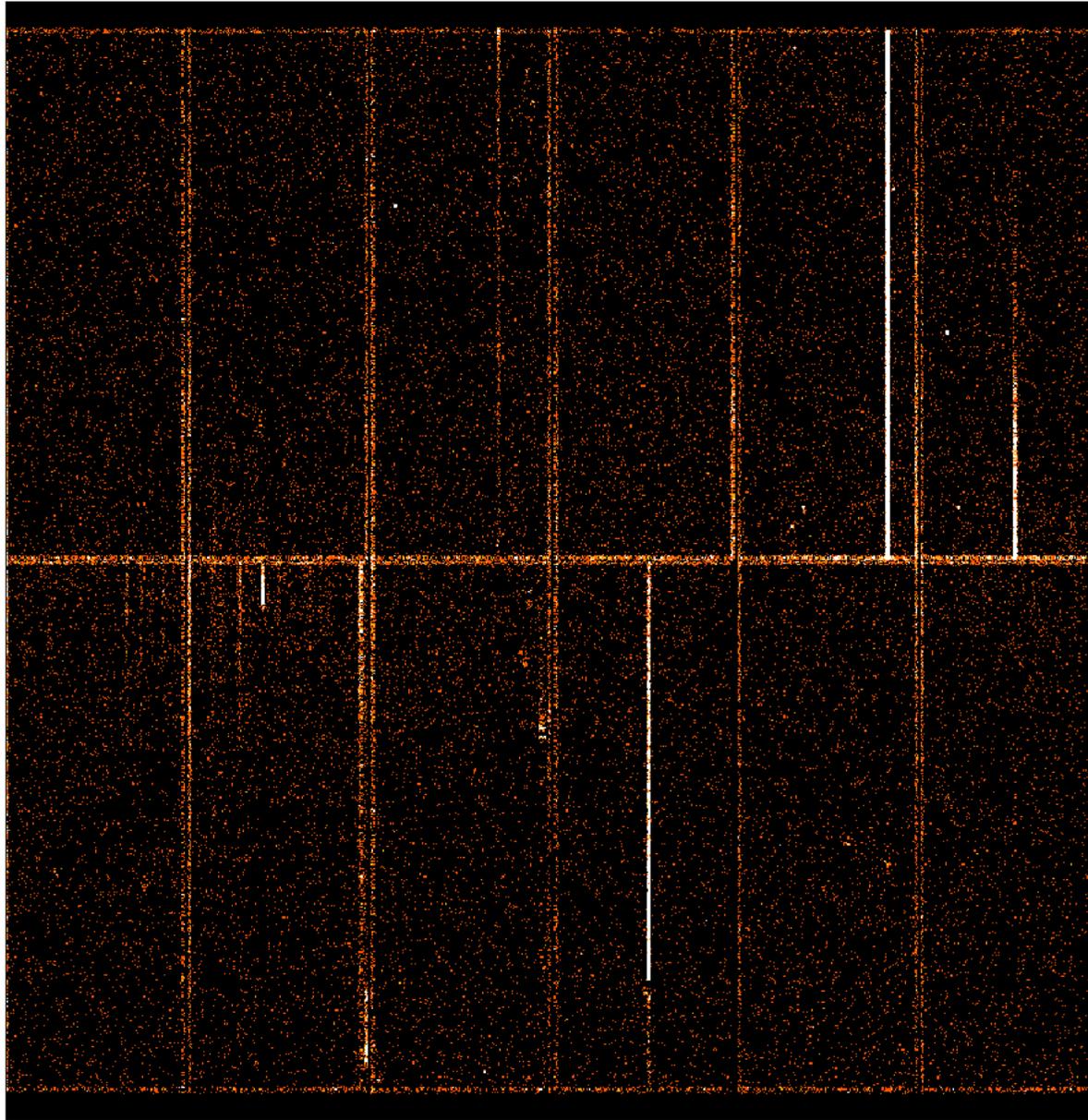


# EPIC-pn MIP-OCR observation

Michael Freyberg

- OCR 0748\_0204790301\_PNU003 + 0790\_0164360101\_PNU002
- EPIC-pn FF mode Closed filter position
- Switch off onboard MIP rejection (3000 adu threshold)
- only 1 CCD active in Q0, Q2, Q3 (CCDs 1,7,10)
- 2 CCDs active in Q1 (CCDs 4,5)
- enter counting mode (as expected)
- e.g. look for MIPs affecting more than 1 CCD
- inter-CCD MIPs and intra-gap MIPs may cause extra background in CCD edge columns and rows
- observation successful, data analysis ongoing
- not enough intra-gap MIPs to explain bright columns

## Low-energy background (0.2 – 0.5 keV): singles



- a few bright columns
- enhanced intensity at CCD edges due to insufficient MIP rejection

# MIP OCR: inter-CCD MIPs

