

# Effective Area Cross-Calibration with Parallel Observations Summary

# Cross-Cal Summary

- **Setting up cross-calibration with NuSTAR**
  - NuSTAR goal: observe 3C 273 in IOC for EA check
  - Chandra drives scheduling detail: prefer 3wk notice
  - XMM, Swift, and Suzaku likely also
  - Other targets: Mk 421, possibly Cyg X-1
- **Details of XMM/Chandra cross-cal**
  - Still using unreleased contamination correction
  - Time dependence of Chandra low E EA, HRC-ACIS offset
  - Apparent offsets in XMM internal cross-cal
- **Discussion of Crab high E reference fluxes**

# Suggestions

- Need new Chandra caldb before publishing cross-cal with XMM — by May
  - Try some finer bands
  - Examine odd data points in fits
- Store prospective cal observations on Wiki
  - Each mission supplies list
  - HLM coordinates, posts
- Want Crab high E “reference fluxes” posted
  - Gary Case will supply
- Present new missions earlier in meeting