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