Purpose of Group

• Provide a forum for cross-mission discussion and comparison of CCD-specific modeling and calibration issues

• Produce documents (SPIE level) discussing these comparisons, pros/cons of each approach

• Produce a document (A&A level?) discussing lessons learned & best practices for CCD-based instruments, hopefully useful for future missions
IACHEC 2011 Meeting Summary

- Tour of CCD WG wiki pages
- Discussed calibration of timing modes
  - XRT (Andy), pn (Matteo), ACIS (Catherine)
- Briefing on ACIS/XIS performance evolution comparison study (very preliminary)
- Future plans
  - Continue to populate wiki
  - Timing modes to dos
  - A comparison source, timing vs standard mode?
Progress since IACHEC 2011

• “CTI evolution and its impact on spectral resolution in different orbital environments”: ACIS/XIS performance evolution comparison study
  – Preliminary results presented at HEAD & Suzaku meetings
  – Paper draft nearly complete
Plans for IACHEC 2012

• New CCD simulator code for Swift XRT (Andy B.)
• Developing an event simulator for EPIC for evaluating and correcting pileup (Matteo)
• ACIS topics (as interest and time allows)
  – CTI-induced QE evolution
  – XIS/ACIS performance comparison study
  – ACIS as its own radiation monitor
• Other topics welcome!
  – Anything that didn’t fit into Monday morning’s summary talks?