

CCD Issues Working Group

IACHEC 2011 Report

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

Progress since IACHEC 2010

- Setup CCD WG wiki page for organizing/sharing information
 - Includes a CCD Reference Library with links to key papers and memos, indexed by mission, topic (i.e. CTI monitoring, correction, etc)
- Established three sub-groups for detailed study of topics of special interest (no actions yet)
 - Residuals around Si-K edge (Miller)
 - CTI correction, energy dependence of CTI (Beardmore)
 - Challenges in calibrating timing modes (Tsujimoto)
- Collaborative work inspired by IACHEC 2010 meeting (XRT/ACIS QE, XIS/ACIS CTI & FWHM)

IACHEC 2011

Discussion Topics & Future Plans

- CCD Reference Library wiki page
- Presentations on calibration of timing modes
 - XRT (Andy), pn (Matteo), ACIS (Catherine)
- Briefing on ACIS/XIS performance evolution comparison study
- Future plans
 - Continue to populate wiki
 - Address questions raised by timing modes discussion
 - ACIS/XIS performance evolution paper
 - IACHEC WG meetings are productive, keep this conversation going outside of physical meetings