KEY POINTS ABOUT NEW S3 -110 C MATRIX

- valid for S3 at -110 C, relevant for data from 14 Sep 1999 to 30 Jan 2000
- more accurate gain for energies below 1 keV
- improved spectral redistribution function
- improved model of low energy tails of lines
- NO change to the QE
- fitting in PI space requires that the events list be re-processed with "acis_process_events"
- Fitted model spectra for soft, line-dominated sources may be impacted rather dramatically (see the supernova remnant E0102 results), but fits to such sources with hard continuum spectra will give similar results with the currently available and new matrices.
- Planned to be released in the coming months