Bibliography

[1] M. Pivovaroff, S. Kissel, M. Bautz, G. Prigozhin, T.Isobe, J. Woo, and J. Gregory, "Flight x-ray CCD Selection for the the AXAF CCD Imaging Spectrometer," *Proc. SPIE* 2808, 182 (1996).

[2] F. Scholze, H. Rabus and G. Ulm, "Spectral Responsivity of Silicon Photodiodes: High-accuracy Measurment and Improved Self-Calibration in the Soft X-ray Spectral Range" *Proc. SPIE* 2808, 534 (1996).

[3] C. Canali, M. Martini, G. Ottaviani, A. Quaranta, "Measurements of the average energy per electron-hole pair generationin silicon between 5-320 K", IEEE Transactions on Nuclear Science , vol. NS-19, No. 4, pp.9-19, 1972.

[4] M. Weisskopf, S. O'Dell, R. Elsner and L. Van Speybrock, *1995 SPIE* 2515, 312.

[5] G. Garmire, G. Ricker, M. Bautz, B. Burke, D. Burrows, S. Collins, J. Doty, K. Gendreau, D. Lumb and J. Nousek, *Proc. AIAA Space Programs and Technology*, March 1992, Huntsville, Al.

[6] M. Bautz, S. Kissel, G. Prigozhin, S. Jones, T. Isobe, H. Manning, M. Pivovaroff and J. Woo, "X-ray CCD Calibration for the AXAF CCD Imaging Spectrometer", *Proc. SPIE* 2808, 170 (1996).

[7] S. Jones, M. Bautz, S. Kissel and M. Pivovaroff, "Using Tritium and x-ray tubes as x-ray calibration sources for the AXAF CCD imaging spectrometer,", *Proc. SPIE* 2808,158 (1996).

[8] D. Arnold, G. Ulm, "Electron storage ring BESSY as a source of calculable spectral photon flux in the x-ray region", *Rev. Sci. Instrum.*, **63** (1), January 1992.

[9] F. Scholze, M. Krumrey, P. Muller, and D. Fuchs, "Plane grating monochromator beamline for VUV radiometry", *Rev. Sci. Instrum.*, **65** (10), October 1994.

[10] B. Burke, R. W. Mountain, P. J. Daniels, M. J. Cooper, V. S. Dolat, "CCD soft x-ray imager for ASCA and AXAF", *Proc. SPIE* 2006, 272-285 (1993).

[11] F. Riehle, B. Wende, "Establishment of a Spectral Irradiance Scale in the Visible and Near Infrared Using the Electron Storage Ring BESSY," *Metrologia* **22**, pp. 75-85, 1986.

[12] J. Schwinger, "On the Classical Radiation of Accelerated Electrons," *Physical Review*, **75**, pp. 1912-1925, 1949.

[13] H. Tsunemi, K. Yoshita, S. Kitamoto, "New Technique of the X-ray Efficiency Measurement of a Charge-Coupled Device with a Subpixel Resolution," *Jpn. J. Appl. Phys.*, **36**, pp. 2906-2911, 1997.

[14] K. Gendreau, "X-ray CCDs for Space Applications: Calibration, Radiation Hardness, and Use for Measuring the Spectrum of the Cosmic X-ray Background,", **PhD Thesis**, MIT, 1995.

[15] A. Rasmussen, "Building Response Matrices: using RSPGEN,", *MIT ACIS memo*, **73**, May 1995.

[16] A. Rasmussen, "BESSY Data Pileup Monitor and Correction," *MIT ACIS memo*, **93**, October 1995.

[17] M. Pivovaroff, "BESSY Integration Times," *MIT ACIS memo*, **135**, June 1997.

[18] M. Pivovaroff, "Data Analysis of BESSY Wavelength Shifter measurements," *MIT ACIS memo*, **142**, June 1997.

[19] M. Pivovaroff, "Gain Calculation from LLTV–Phase Two Measurements," *MIT ACIS memo*, **143**, June 1997.

[20] G.R.Hopkinson, "Analytic modeling of charge diffusion in charge-coupled-device imagers", *Optical engineering*, vol. 26, No. 8, pp. 766-772

[21] F. Scholze, G. Ulm, "Characterization of a windowless Si(Li) detector in the photon energy range 0.1-5 keV", *Nuclear Instruments and Methods in Physics Research* , A 339 (1994), pp. 49-54

[22] G. Prigozhin, "X-ray detection in channel stops", *MIT ACIS memo #150*, January 1998.

[23] P. Lechner, L. Struder, "Ionization statistics in silicon X-ray detectors - new experimental results", *Nuclear Instruments and Methods in Physics Research* A 354, (1995), p.464

[24] B. Burke, J. Gregory, M.Bautz, G. Prigozhin, S. Kissel, B. Kosicki, A. Loomis, D. Young, "Soft X-ray Imagers for AXAF", *IEEE Transactions on Electron Devices*, v.44, No.10, October 1997, pp. 1633-1642

[25] G. Prigozhin, J. Woo, J. Gregory, A. Loomis, M. Bautz, G. Ricker, S. Kraft, "Quantum efficiency of X-ray CCDs", *Proc. SPIE*, v. 3301, January 1998

[26] J. Janesick, T. Elliott, S. Collins, T. Daud, C. Campbell, A. Dingizian, G. Garmire, "CCD advances for X-ray scientific measurements in 1985", *X-ray Instrumentation in Astronomy*, Proc. SPIE, v.597, pp. 365-380, (1986)

[27] M. Pivovaroff, S. Jones, M. Bautz, S. Kissel, G. Prigozhin, G. Ricker, T. Tsunemi, E. Miata, "Measurement of the subpixel structure of AXAF CCD's", IEEE Transactions on Nuclear Science, vol. 45, No. 2, April 1998, pp. 164-175

[28] G. Prigozhin, S. Jones, M. Bautz, G. Ricker,"Physics of low energy tail in ACIS CCD. Spectral redistribution function," *Nuclear Instruments and Methods in Physics Research*, submitted.

[29] G.Prigozhin, S.Jones, M.Bautz, G.Ricker, "Physics of the Low Energy Tail in the ACIS CCD. The Spectral Redistribution Function." 8^{th} European Symposium on Semiconductor Detectors. New Developments on Radiation Detectors, Schloss Elmau, Germany, 1998.

[30] P. Meyer, Annual Reviews of Astronomy and Astrophysics 7,1 (1969).