Project Scientist Perspective

Rob Petre
Suzaku highlights (2008-9)

• Important science results arising from Suzaku’s unique capabilities
  – Cluster measurements beyond virial radius
  – Studies of relativistic Fe lines in AGN, Galactic sources
  – Broad band spectroscopy of AGN
  – Use of Mn/Fe ratio to constrain explosion models for Ia SNRs
  – Studies of diffuse soft X-ray emission, from solar wind charge exchange (SWCX) to Galactic halo to the intergalactic medium

• Science results highlighted at Otaru conference (July 2009)
• Initiated long proposals (AO3) and key projects (AO4)
• Beginning to see increase in publication rate from US GO’s
• Almost no hardware issues
  – Second micrometeorite hit on XIS
  – XIS contamination has stabilized
  – HXD background systematics continue to improve
  – Larger energy band of GSO calibrated - higher sensitivity
• Continued community interest – high oversubscription in AO4
Need User Committee Advice/Help

- 2010 Senior Review proposal
  - Strategy
  - Science goals
  - Writing science highlights
- Key project selection process
- Constructive ways of raising GO funding issue awareness with NASA HQ
- Time and location of next Suzaku science meeting
- Increasing community, public awareness of Suzaku