

Suzaku E/PO Activities

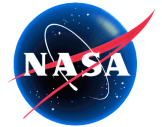
Dr. James Lochner

USRA-CRESST

NASA-GSFC



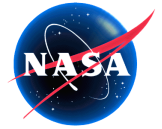
Suzaku E/PO Program



- E/PO program has produced:
 - Series of “Suzaku News You Can Use” newsletters for teachers.
 - Distributed via email subscription (~ 500 subscribers)
 - “Building the Coolest X-ray Satellite” video and teacher guide.
 - Distributed at Teacher meetings and our workshops
 - Suzaku Learning Center with background and lessons
 - Student Competition
 - Successfully concluded with student presentation at AAS meeting.
 - Workshop for teachers presented at educator conferences.



Personnel



- E/PO Lead: Lochner
- E/PO Scientists: Harrus, Mukai
- Developers: Barbier and Mitchell
- Teacher: Keeney (PA)
 - Develops lessons and Suznuz newsletter
- Educator Ambassador: Pool (OK)
 - EA gives Suzaku workshops in her region and at meetings we can't be at.



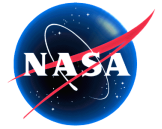
Night Sky Network Toolkit



- Toolkit for Amateur Astronomy Clubs on Supernovae and GRBs
 - Being developed by Astronomical Society of Pacific
 - This is their 8th Toolkit
 - Toolkit will be distributed to 200 Amateur Astronomy clubs to use in their E/PO efforts.
 - Star parties, outreach to general public, presentations to teachers and students.
 - Currently in beta testing with select clubs.
 - In collaboration with E/PO program at Sonoma State Univ.



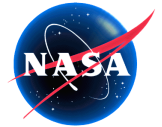
Suzaku in the News



- Students develop science literacy skills for understanding and communicating science discoveries.
 - Students take on roles of scientists and the press to stage a press briefing about a recent discovery.
 - Science stories have been chosen and lesson unit in development.
 - Collaborating with Dr. Ilan Chabay (Goteburg Univ., Sweden) to investigate how students see their own learning process.



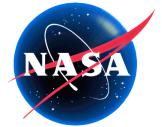
Spectroscopy Video



- Spectroscopy Video
 - A follow-up to the success of the first Suzaku video
 - Explain spectroscopy using a music analogy
 - Spectrum is like a melody to decipher
 - For Grades 9-12. To be played in science class to start a lesson on spectroscopy.
 - Total Running Time: about 4 minutes



Spectroscopy Video



- Status
 - Script has gone through 2 re-writes with initial producer and comments from E/PO team.
 - Changing producer due to schedule conflict.
 - Release Date: Tentatively June 15, 2008