



Suzaku in the (US) News

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Challenges



XRS problems reduced the amount of exposure in the press anticipated before launch.

Still respectable press presence using the remaining two main instruments (different science to advertise, larger Japanese role,...)



Press Releases



- 1) Launch date announcement (June 2005) -- HQ release
- 2) Launch (July 2005) -- HQ release
- 3) XRS problems (August 2006) -- HQ release
- 4) First light XIS (August 31, 2006) -- GSFC release
- 5) Comet 73P/Schwassmann-Wachmann 3 (May 12, 2006) -- GSFC release
- 6) AAS meeting (June 2006) -- GSFC release
- 7) HEAD meeting (Oct 2006) -- GSFC release



Coverage

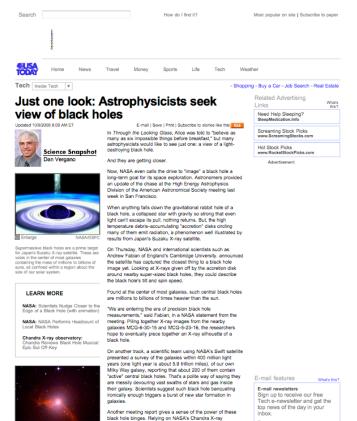


- 1) Launch: Covered by the usual suspects (and some). In total about 110 articles from all over the world. In the US: Washington Post, USA Today, LA Times, all science-related web-sites, blogs, ..
- 2) XRS problem was covered as well (Science web sites, Science, and general press: CNN,..)
- 3) First light XIS (covered with about 2 months delay ...)



Coverage





MEETINGBRIEFS>>

AAS HIGH ENERGY ASTROPHYSICS DIVISION | 4-7 OCTOBER 2006 | SAN FRANCISCO, CALIFORNIA

Snapshots From The Meeting >>

Galactic jet fuel. In most galaxies, including our Milky Way, a supermassive black hole sits quietly at the core. But in a small subset of galaxies, the nucleus is "active," spewing energetic radiation. And in a still-smaller subset, some of the energy shoots into space

in the form of bright beams known as jets.

For years, astronomers have wondered about what the jets are made of. Now there is an answer, based on two active galactic nuclei observed by NASA's Swift satellite.

Jets are known to contain electrons but are electrically neutral, so some positively charged particles—either protons or positrons—are needed to balance the electrons' negative charge. At the meeting, Rita Sambruna of NASA'S Goddard Space Flight Center in Greenbelt, Maryland, reported that Swift measurements of x-rays produced in the jets indicate that they contain protons. The total amount of matter in a jet at any given time, Sambruna says, is about equivalent to the mass of Jupiter.

Black-hole dervish. The Japanese x-ray satellite Suzaku has pinned down the spin of a massive black hole in the core of galaxy MCG-6-30-15. Previous observations hinted that the black hole is spinning rapidly. Suzaku has verified those suspicions with precise measurements of x-rays emitted by hot gas mear the black hole. Andrew Fabian of the University of Cambridge, U.K., reported at the meeting. The spinning rate is on the order of one rotation every 5 minutes, Fabian says, about 90% of the physically possible maximum.

Chris Reynolds, an astrophysicist at the University of Maryland, College Park, who was not involved in the research, says the finding is significant for confirming that some black holes spin so rapidly. As much as 30% of a black hole's energy can be stored in its rotational motion, Reynolds said, suggesting that the spin may contribute to the energy output of quasars, cosmic lighthouses believed to be powered by black holes at the core of active galaxies.

—T.S.

4) HEAD meeting

"Science", "Sky and Telescope", "New Scientist" -- Either in attendance or calling in remotely (Webcast Press conference system).



Future plans



- 1) Involvement on Suzaku from our new science writer (Bob Naeye)
- 2) Ask for contributions directly from the PIs following the Chandra model.