

FSSC Operations Status

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Scheduling

- During 2014 mainly using the modified sky survey profile to increase observations of Galactic center.
- In middle of year did extended ToO of PSR B1259.
- Returned to normal sky survey mode Dec. 5 2014
- Small changes to sky survey occur when angle between orbit plane and Sun > 45 deg.
- Rock angle changes from 50 to 55 deg.
- In August 2014 also increased survey repeat by 10s

Target of Opportunity Observations

- TOO observations performed include:
 - S3 0218+357 (2015 July)
 - Crab (2014 August)
 - GRB 150201A (2015 February)

Overall Status

- FSSC Operations continue smoothly. (Regular sky survey much less time-consuming to schedule.)
- We continue to execute TOO's using either direct TOO command and/or replan of timeline.

MICA Animation Collaboration (i)

- In 2014 collaboration with Maryland Institute College of Art (MICA) animation department produced several Fermi-related animations.
 - Fermi Bubbles, Binaries, Dark Matter, Hess/Cosmic rays, Space Debris
 - Animations shown at scientific conferences and arts festivals. Also being used by educators.
 - Animation/sonification of GRBs done by Gillespie/Zhi
- Paper on project submitted to “Leonardo Transactions” (Arcadias/Corbet).

MICA Animation Collaboration (ii)

- Continuing collaboration with new MICA class.
- Students visit on Feb. 19 to show drafts to scientists, final versions screened Apr. 9
- Topics include TGFs, novae, Centaurus A, pulsars, black holes. <http://mica-animates-fermi.tumblr.com/>
- Some groups plan to use “Science on a Sphere”
 - Spheres available at GSFC visitor center, Maryland Science Center, and many places around the world.