The Swift Science Center and You

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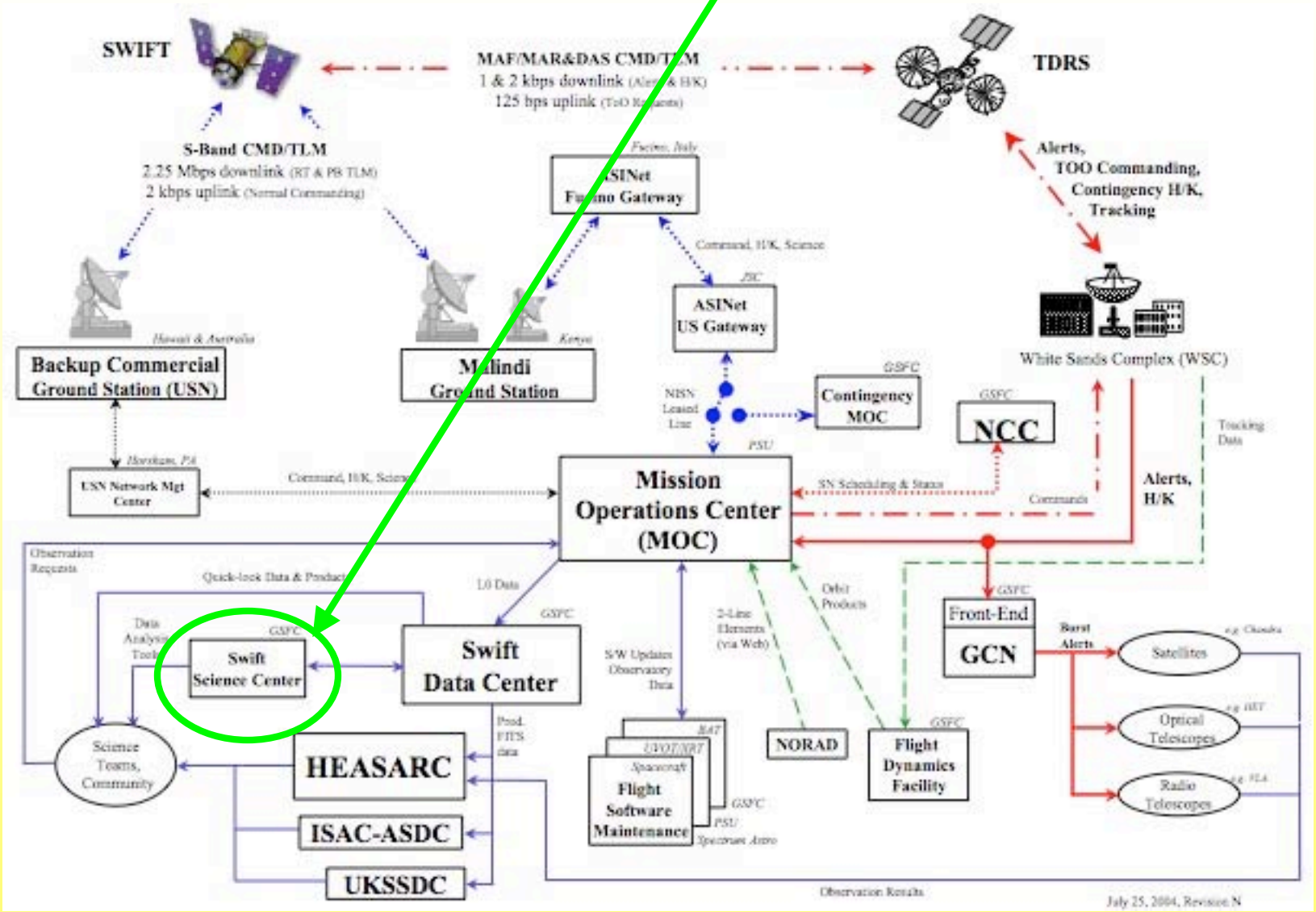
Where the SSC Fits In



Who is the SSC?

The SSC is located in the Laboratory for High Energy Astrophysics at NASA's GSFC. We are part of NASA's Office of Guest Investigator Programs (OGIP).

- Scientists
  - **Padi Boyd**
  - **Martin Still**
  - **Wayne Landsman**
  - **Stephen Holland**
- Programmers
  - **Mike Tripicco**
  - **Gail Rohrbach**
  - **Terri Greenberg**
  - **Bob Wiegand**
  - **Bob O'Brien**

What Does the SSC Do?

SSC Responsibilities:

The SSC is the user interface to Swift

- Coordinate & test Swift data analysis software
- Develop the UVOT analysis software
- Manage Swift calibration products
- Develop & maintain Swift user documentation
- Support the Guest Investigator Program
- Assist the astrophysical community

Swift Data Analysis

- Developers deliver software to the SSC.
- Calibration products are delivered to the SSC.
- The SSC tests deliveries & integrates them into the analysis pipeline.
- Products are released to the community by HEASARC.

Software Build	Delivery to SSC	Release Date
9	9 Aug 2004	Launch

Feedback

- Report problems to the Swift Help Desk.

http://swift.gsfc.nasa.gov/docs/swift/helpdesk.html

- SSC will direct queries appropriately.
- New software releases will be made as needed.

Documentation

- SWIFT2FITS document
  - Describes conversion of telemetry to FITS files
- Data Handbooks for each instrument
  - Describe data formats, keywords, file structures, units
- Software User Guides
  - Describe each tool and explain usage
  - Describe input, output, and parameters
- Calibration Documents
  - Describe calibration products, formats, and usage
- Technical Handbook
  - Technical information about Swift
  - Intended for people writing GI proposals

Documentation will be available shortly.

Guest Investigator Program

- Cycle 2 announced in NASA's ROSS–04
- US Swift PIs can receive funds to do GRB science
  - New GRB projects using Swift data
  - Follow-up observations at other wavelengths
  - Theoretical studies of GRBs
- Proposers *can not* point Swift
- No proprietary data rights

- Cycle 1
  - 35 proposals funded
  - Average amount awarded was approx. $35,000

Guest Investigator Program

Critical Dates for Cycle 2

7 Jan 2005	Notices of Intent Due
11 Mar 2005	Proposals Due
TBD	Proposal Review
Launch + 16.5 Months	Cycle 2 Begins

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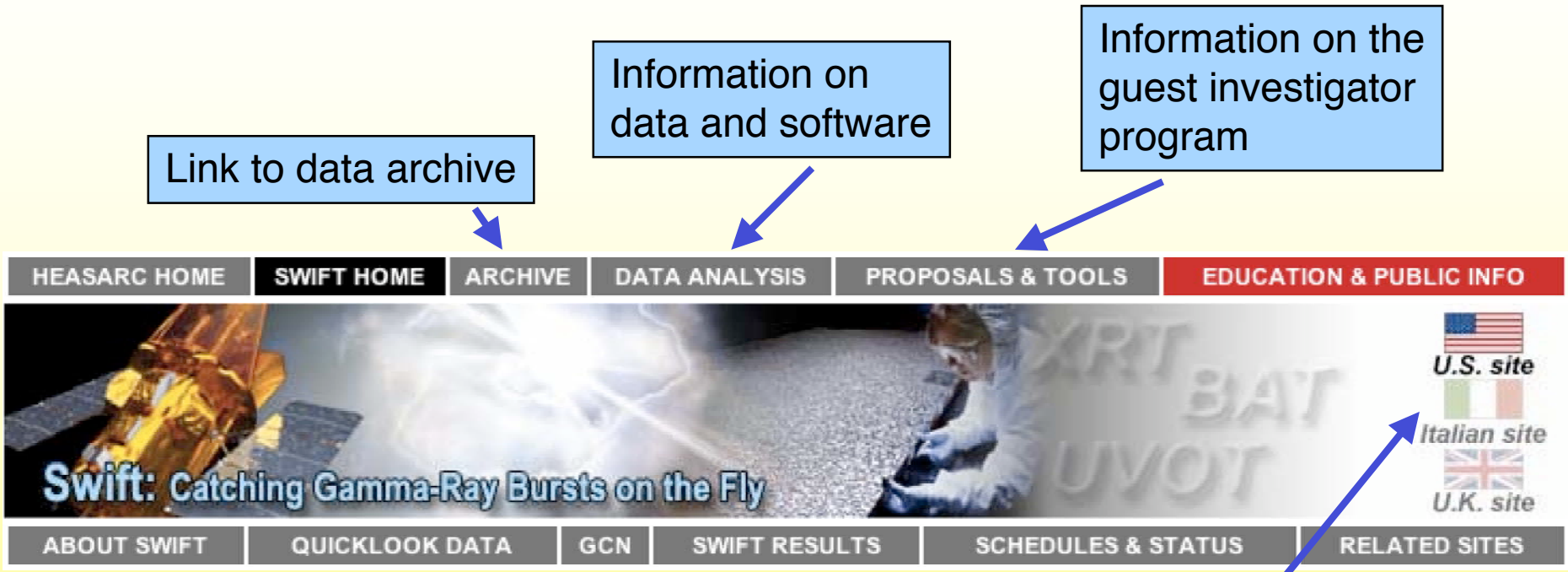
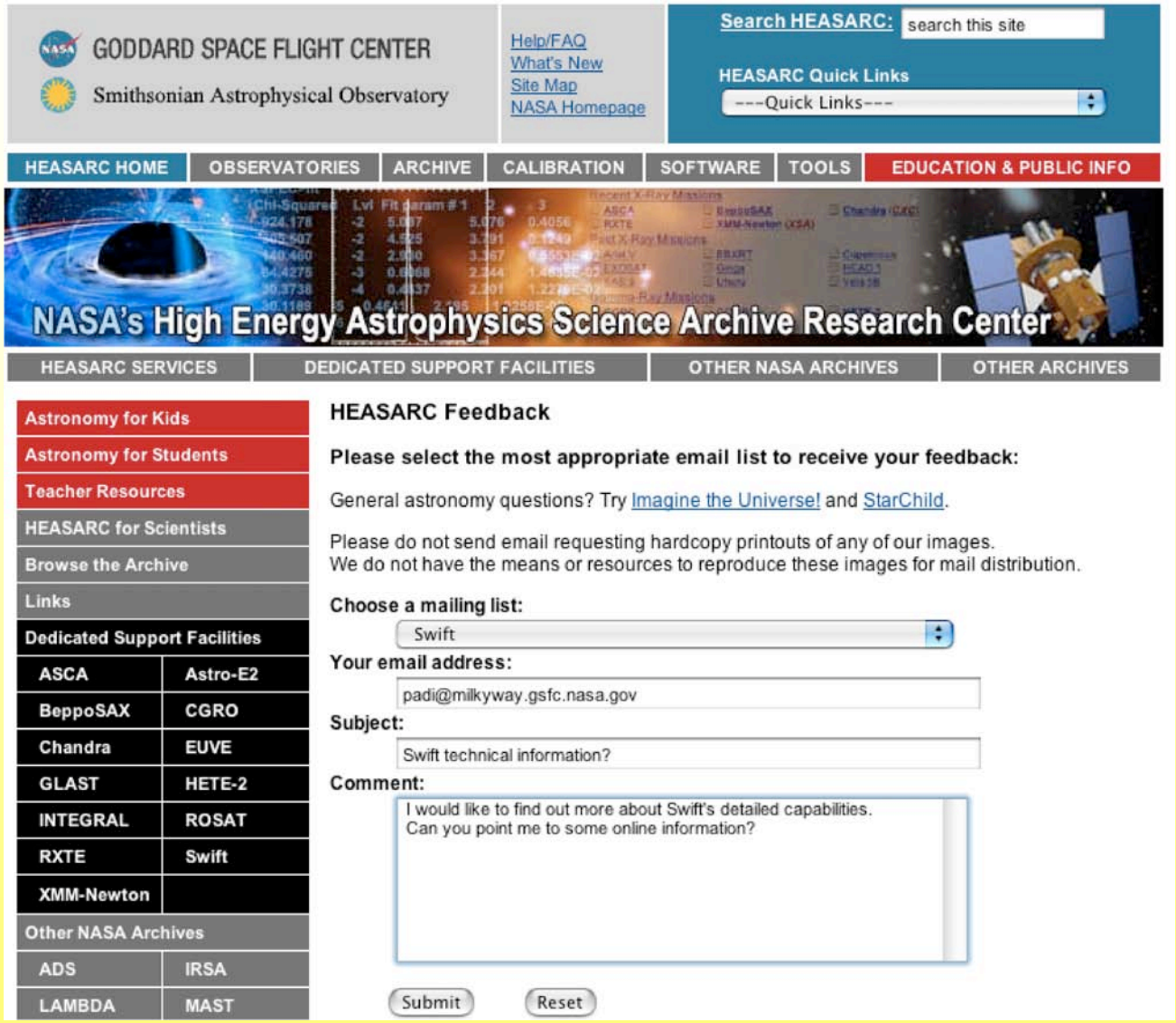


Swift Help Desk

Primary way to communicate with the SSC

Response within one working day

Will maintain a FAQ for commonly asked questions



The Swift Science Center

http://swift.gsfc.nasa.gov/

Extra Slides

Extra Slides

UVOT Software

- The SSC is developing the UVOT analysis software.

Calibration

- HEASARC Calibration Database (CalDB)
- Calibration data adheres to OGIP standards
  - FITS format
  - Data structure, index files, keywords
  - Standard software interface via FTOOLS
  - Automated updates
- Consistency between missions