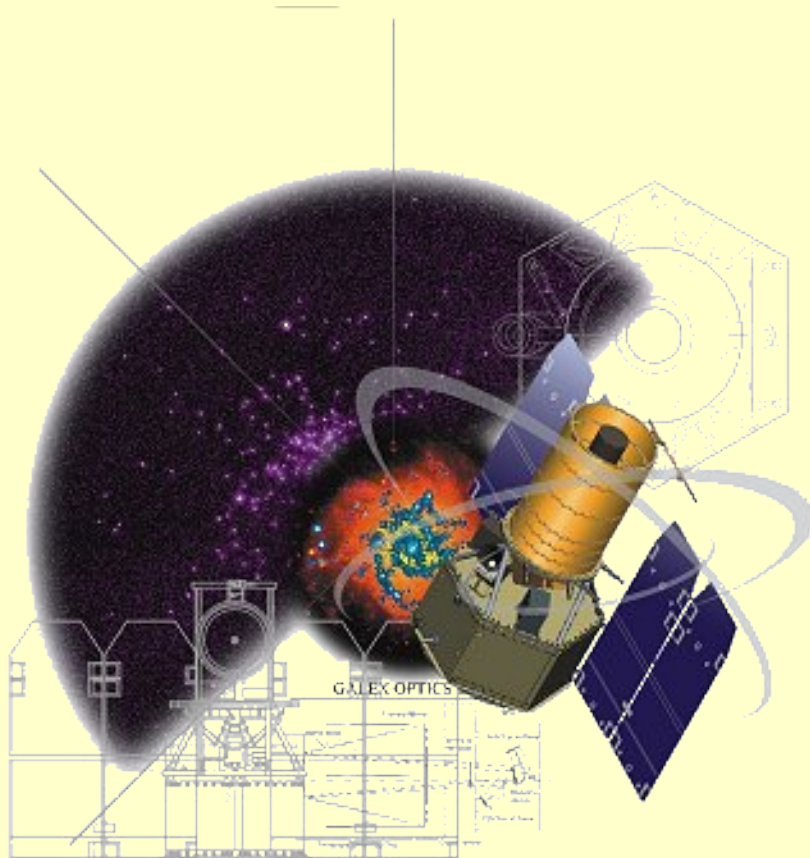




# Galaxy Evolution Explorer



## MAST/GALEX Team:

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- Tony Rogers
- Bernie Shiao
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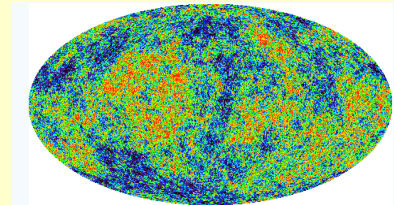


NGC 3242



## Recent Deliveries and Milestones

- ✓ **Aug. 2011:** GR6 grism delivered & ingested.
- ✓ Catch-up GI deliveries will end very soon.
- *The ‘mcat’* (object NUV mags) just delivered for summer observations of Kepler Field of View.
- Tony’s deployment of a Phase 1 for Astroview in galexView will permit display of a map of the full GALEX sky.
- Considering remapping GR6 from the “GCAT’s” HEALPIX projection map.





## What is GCAT Catalog?

- Two catalogs, ASC & MSC, derived from the GR6/7 AIS & MIS surveys.
- Surveys are NUV-centered. All FUV detections are at NUV positions.
- Object IDs will be the ‘controlling’ IDs for all  $5\sigma$  detections. This will become our default catalog of GALEX objects.
- Some documentation is now being written.



## GALEX Closeout: funding background

- 05/2010 Sen Rev: mission to end in 2012; close out by ~6/13; GI program cancelled.
- 2/2011 HQ: “We really mean it:” \$100K now, \$50K for FY12. But keep observing through 09/11. Closeout planning revamped.
- 05/11: Contradictory signals. “We’ll let you know when you’ve spent it.” Few layoffs.
- 08/11: dust settles: no final reprocessing.
- 10-12/11: HQ says, put in hibernation. Layoffs.
- 12/11--?/12: major rain of GR7 deliveries.



## GR7 Deliveries (includes all >02/01/10 obsns, NUV)

- ✓ Galactic Bulge (65 tiles).
- New Kepler FOV tiles (NUV only).
- Many new low-Galactic latitude areas.
- Magellanic Clouds.
- M31 (new; in support of panStarrs).
- Final GII (former GI) products.





## Creation of Photon List files (time resolved for all objects)

- Requires 2 processings steps for conversion:  
**raw telemetry files** → “raw6” → **photon list files**
- MAST will participate in their creation.
- Caltech now creating raw6 files and storing them.
- GALEX staff member will consult with MAST and instruct on how photon list files are created; a MAST or DPAS staff member will do this.
- New disks (~100T) to be purchased this fall for permanent storage of photon list files.

**THE END**