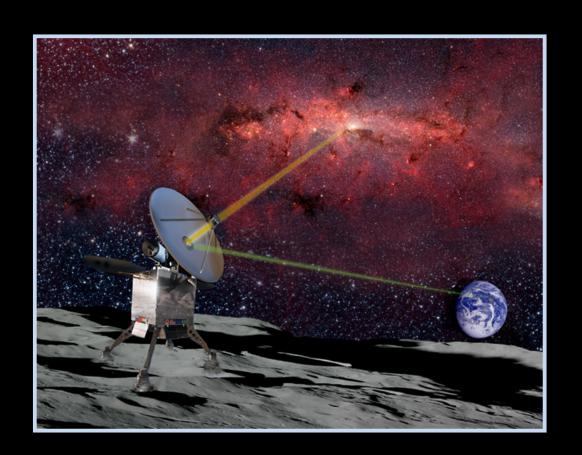
International Lunar Observatory Galaxy First Light Imaging Program

Galaxy Forum USA – 4 July 2008 – Santa Clara, CA
Steve Durst

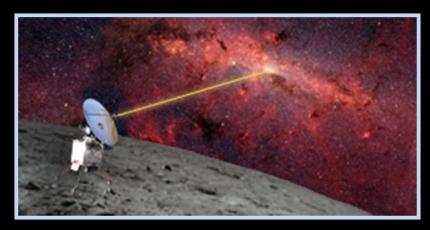


Why Galaxy Education, Consciousness & Awareness is Important for the 21st Century:

- Education for primary, secondary higher, and highest education:
 Knowledge, understanding of humanity's place in the Universe our Milky
 Way Galaxy occupies a mid-position domain between Solar System finiteness and Cosmos infinity
- 2. Astrophysics / Astronomy Galaxy studies internationally are of increasing interest and value; study of our local stellar neighborhood for familiarity; center / central 10 parsecs with supermassive black hole is most dynamic region of Milky Way
- 3. History of Human Civilization / Archaeoastronomy
- 4. NASA, World Space Agencies 21st Century Program and Policy Development Advance through Galaxy understanding
- 5. Galacticity may be as important for the 21st Century, as is Relativity to 20th



Earthrise Photo: 1968 / Apollo 8



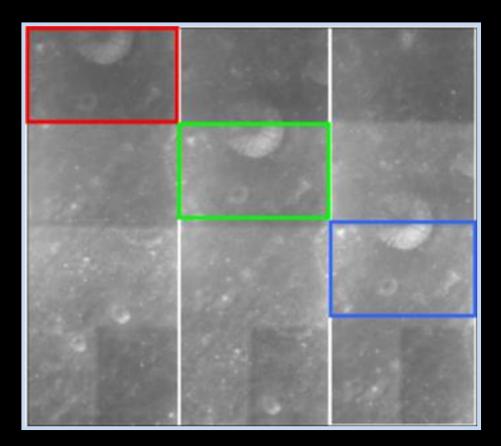
ILO Imaging Galaxy Center



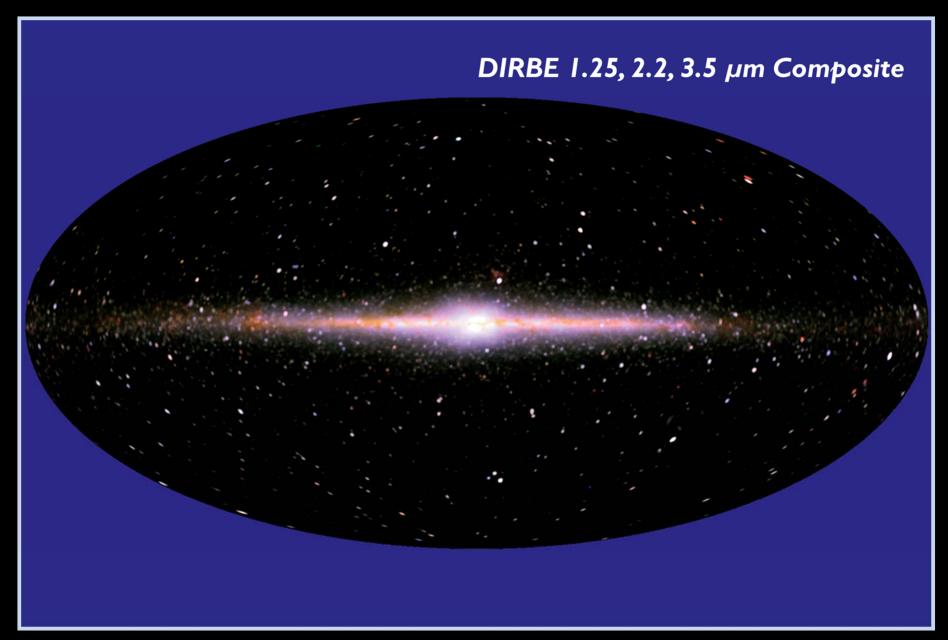
Near-IR; COBE / DIRBE; 1989-93



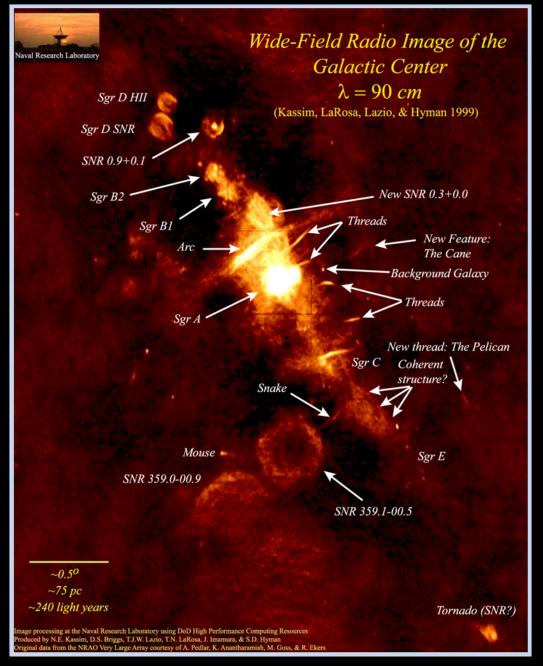
Optical; Dr. Axel Mellinger; 1997-99



Multi-spectral: Visible, Near-IR SMART-1 / AMIE Camera; 2003-06



Near-IR; COBE / DIRBE; 1989-93



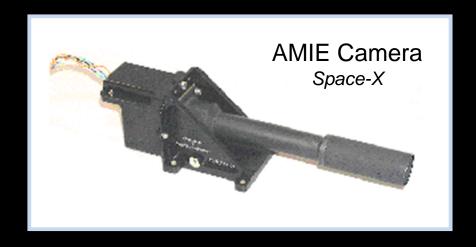
Radio; Naval Research Lab / Namir Kassim

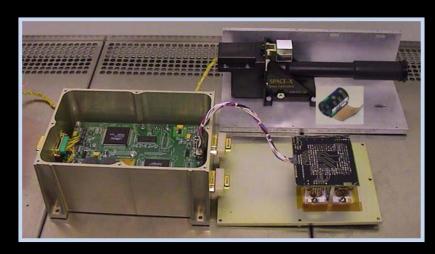


Artists' Rendering, 2008 Robert Hurt / Spitzer Science Center-Caltech / NASA

Instrumentation

- Candidate Instrument AMIE Camera
- UV / Vis / NIR CCD Imaging Array of 1024 x 1024 pixels
- Field of View -5.3° x 5.3° = 738 parsecs on a side (0.72 pc / pixel)
- Mass = 2 kg





AMIE Electronics



INTERNATIONAL LUNAR + OBSERVATORY



