Large Area Telescope First Light

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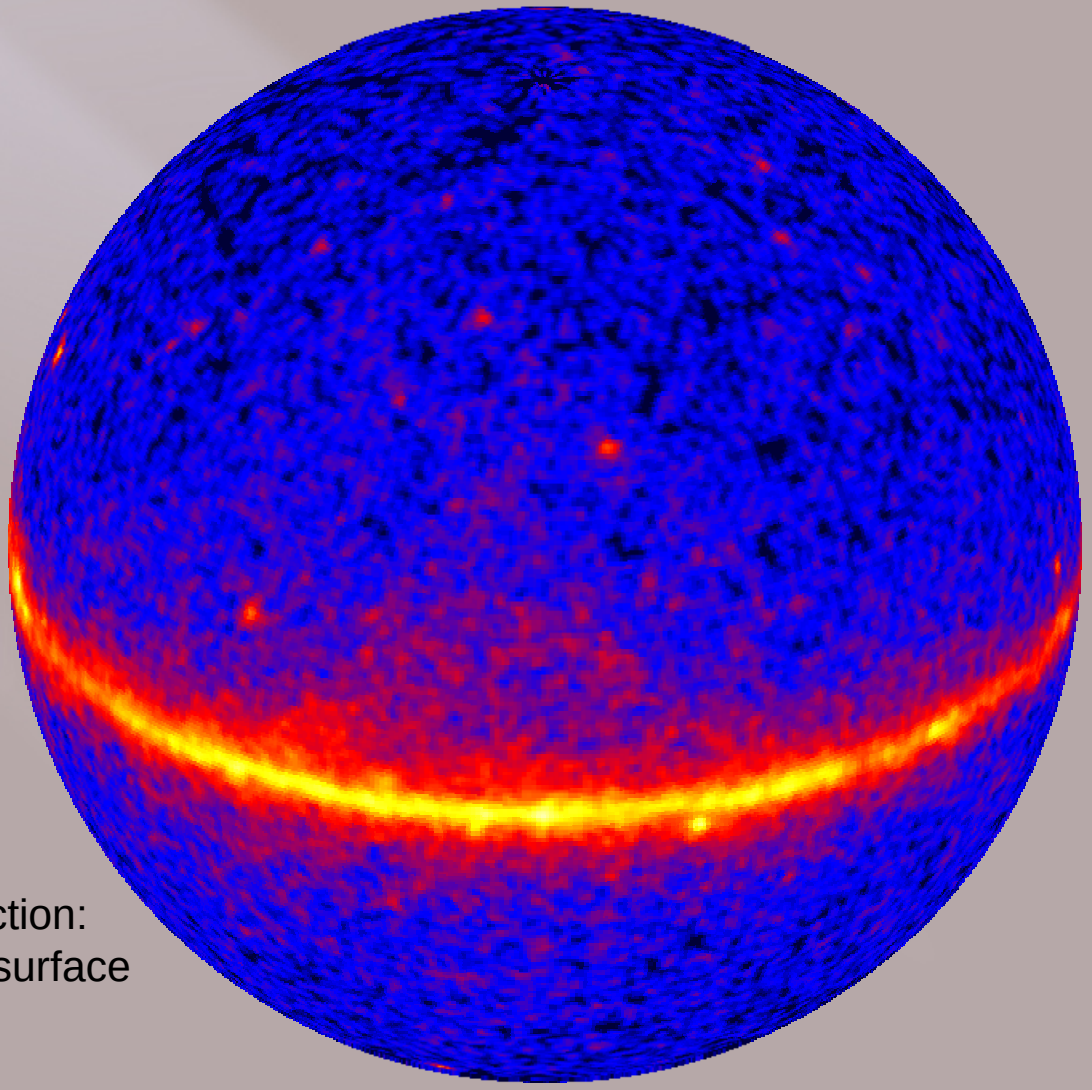
on behalf of the GLAST LAT Collaboration
and the GLAST mission

August 26, 2008

LAT "First Light" All-Sky Map

LAT does complete sky scan every 3 hours

Shown here: initial all-sky exposure done in 4 days, achieved EGRET 1 year source sensitivity

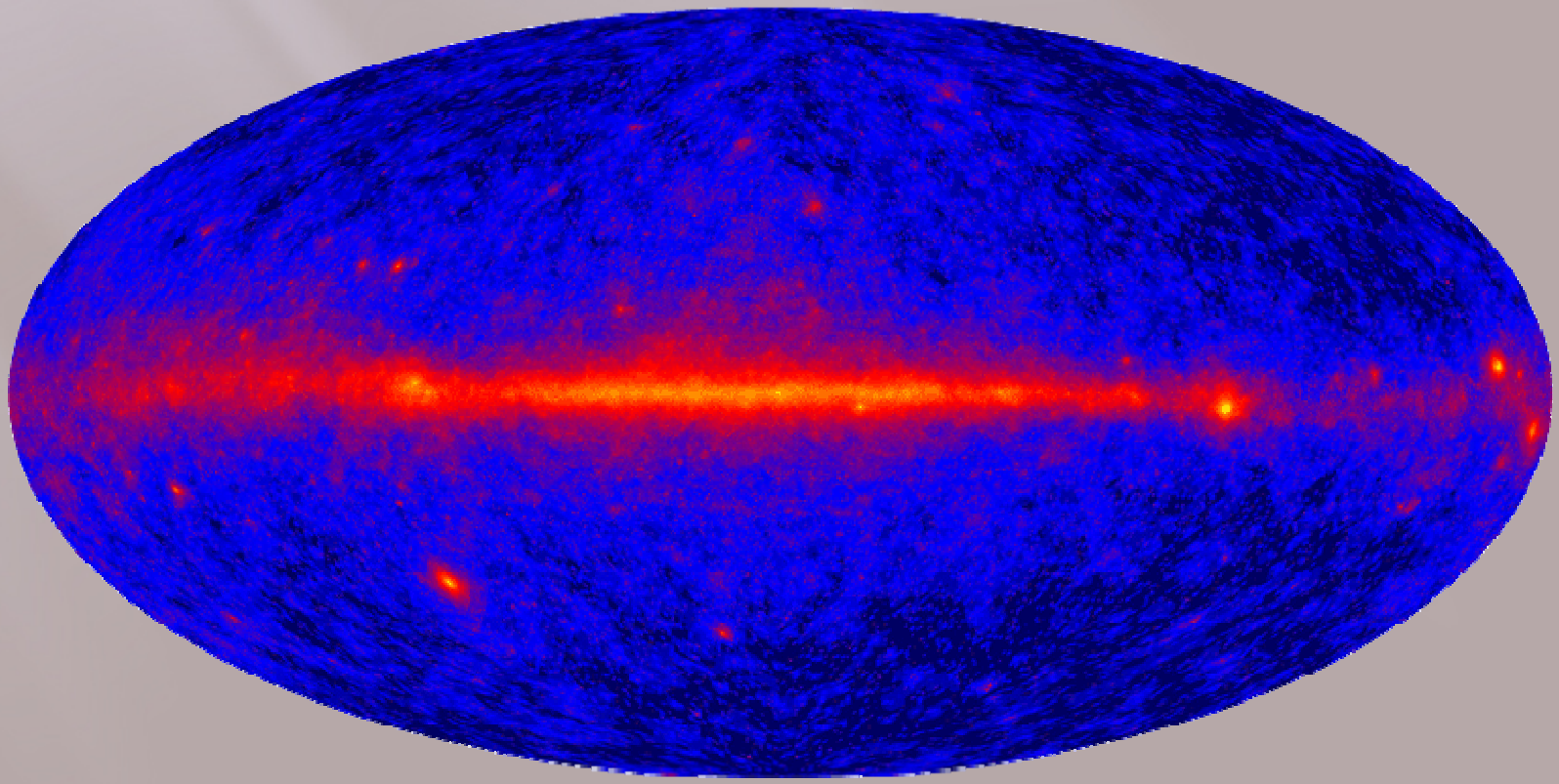


Orthographic projection: sky projected onto surface of a sphere

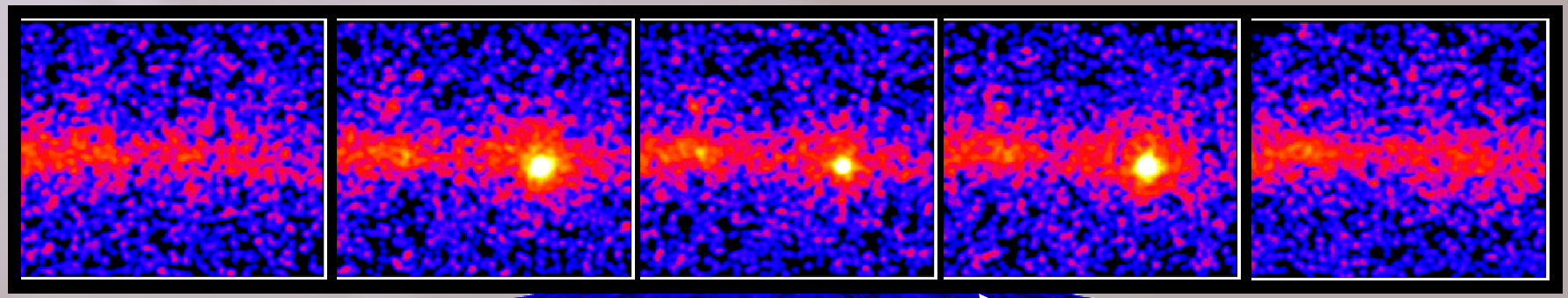
Animated version available on website

LAT "First Light" All-Sky Map

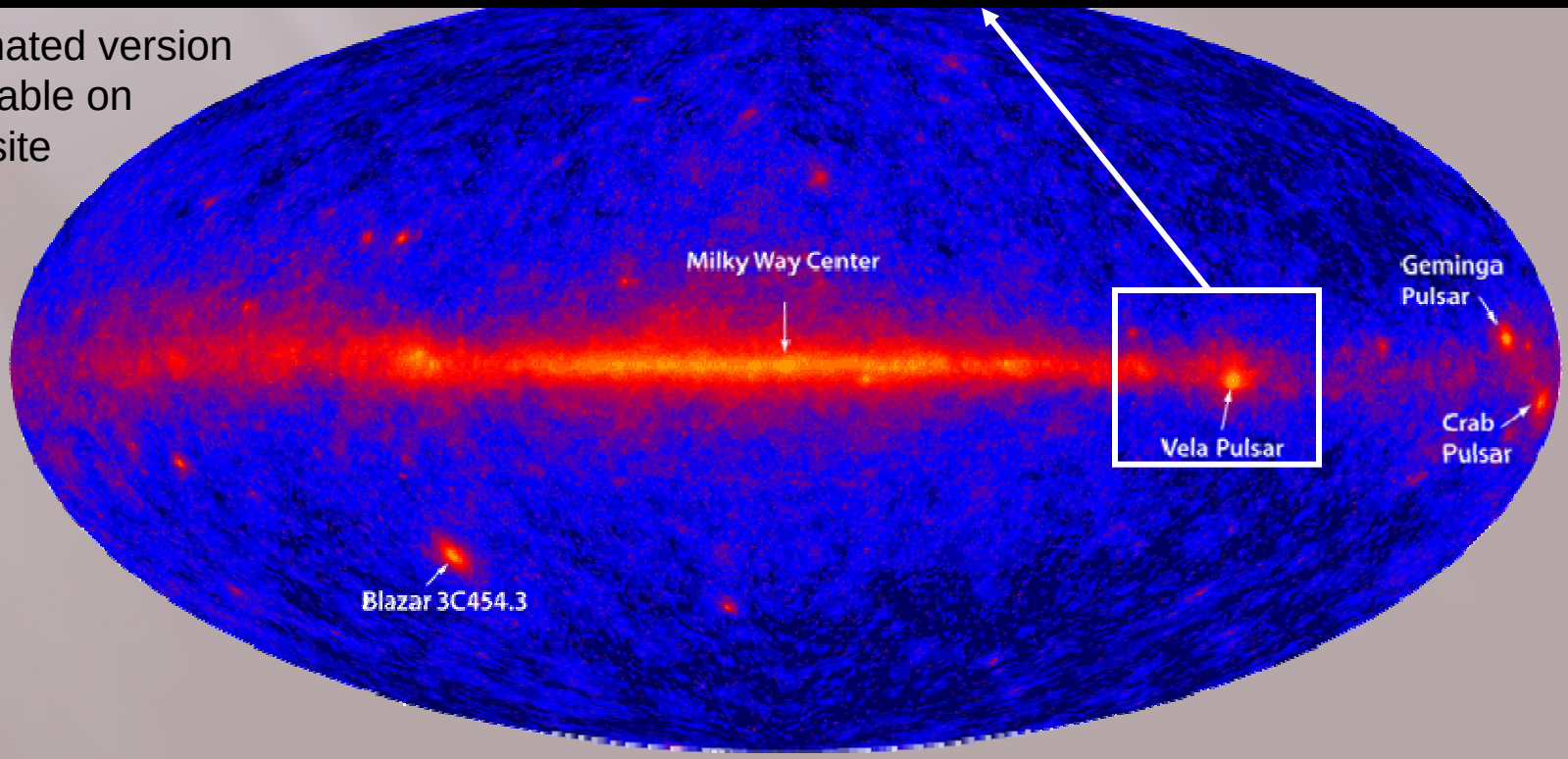
entire sky projected onto a flat map



LAT "First Light" All-Sky Map



Animated version available on website



Summary: First Light Image

- The Large Area Telescope (LAT), designed and built by an International Collaboration from the United States, France, Italy, Japan, and Sweden, is fully operational.
- In just a few days, the LAT has already corroborated many of the great discoveries of EGRET and AGILE; finding new sources as well;
- Undoubtedly, the most exciting is yet to come as we start the all-sky survey phase and with time probe deeper and deeper into the high-energy Universe

An important window of discovery on our Galaxy and the Universe beyond is now wide open.

GLAST LAT Collaboration

- **France**
  CNRS/IN2P3, CEA/Saclay
- **Italy**
  INFN, ASI, INAF
- **Japan**
  Hiroshima University
  ISAS/JAXA
  RIKEN
  Tokyo Institute of Technology
- **Spain**
  ICREA and Institut de Ciencies de l'Espai
- **Sweden**
  Royal Institute of Technology (KTH)
  Stockholm University
- **United States**
  Stanford University (SLAC and HEPL/Physics)
  University of California at Santa Cruz - Santa Cruz Institute for Particle Physics
  Goddard Space Flight Center
  Naval Research Laboratory
  Sonoma State University
  Ohio State University
  University of Washington

Principal Investigator:
Peter Michelson (Stanford University)

~270 Members
(~90 Affiliated Scientists, 37 Postdocs,
and 48 Graduate Students)

construction managed by Stanford Linear Accelerator Center (SLAC), Stanford University