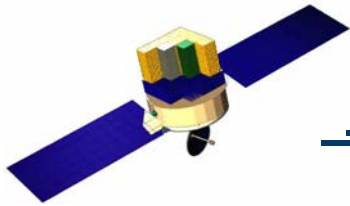


GLAST Science Working Group

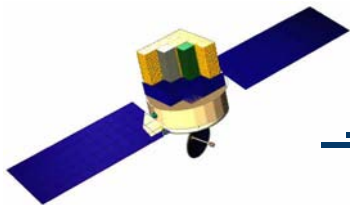
May 25-26, 2000

Scott Lambros
GLAST Project Formulation Manager
scott.lambros@gsfc.nasa.gov

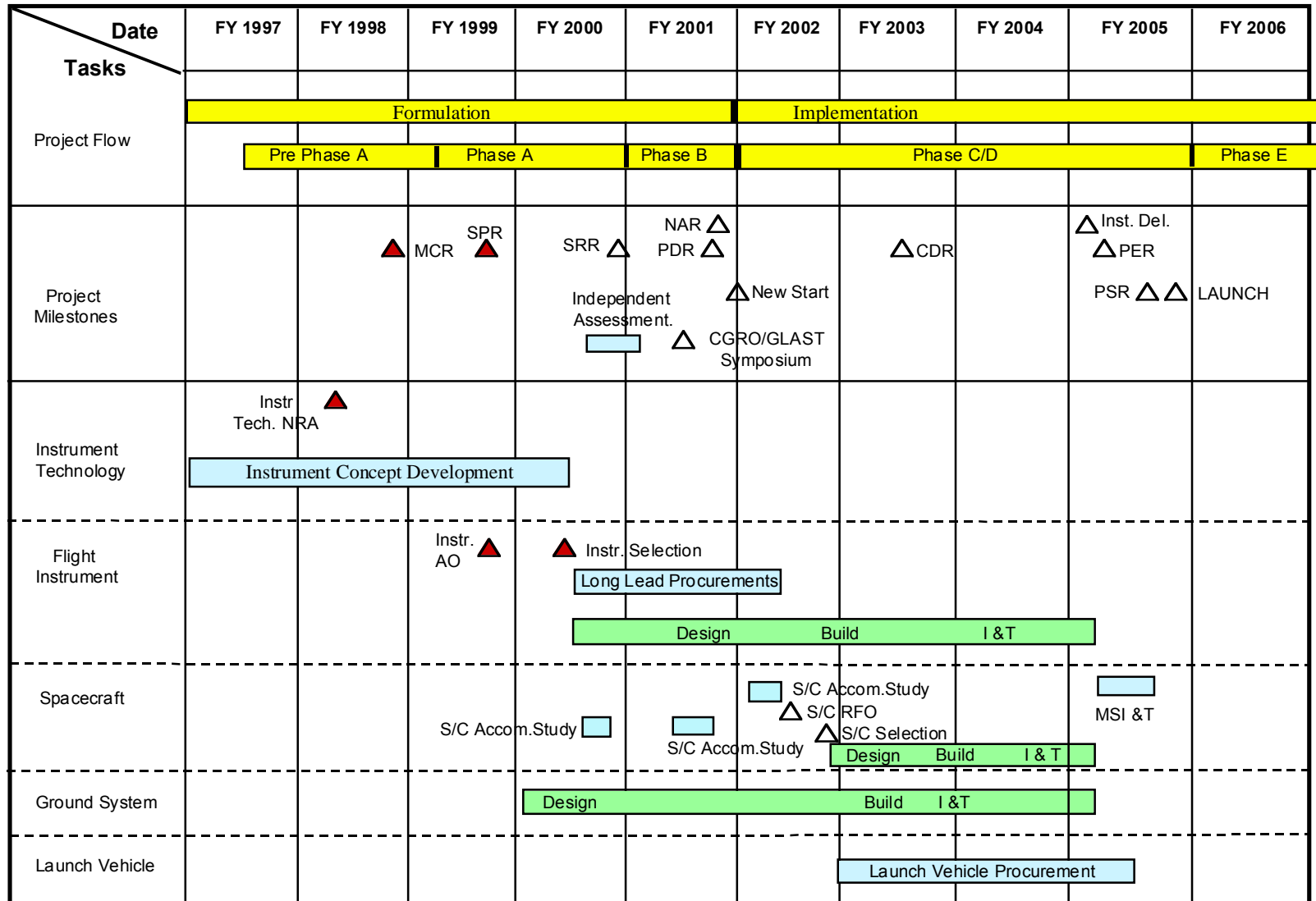


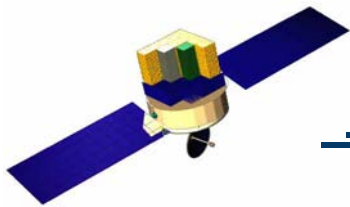
Selections

- AO process complete, with the following selections:
 - Large Area Telescope (LAT); P.I. Dr. Peter Michelson, Stanford University.
 - GLAST Burst Monitor (GBM); P.I. Dr. Charles Meegan, Marshall Space Flight Center.
 - Interdisciplinary Scientists:
 - Prof. Brenda Dingus, University of Wisconsin, Madison.
 - GLAST: A GeV All-Sky Monitor of Transient Phenomena.
 - Dr. Charles D. Dermer, Naval Research Laboratory.
 - Exploring the Non-thermal Universe: Analysis and Modeling to Maximize the Scientific Impact of GLAST.
 - Prof. Stephen E. Thorsett, University of California, Santa Cruz.
 - Observations of Rotation Powered Pulsars in Support of GLAST.
 - Dr. Martin Pohl, Universitaet Bochum.
 - Modelling the Diffuse Galactic Gamma-ray Emission.

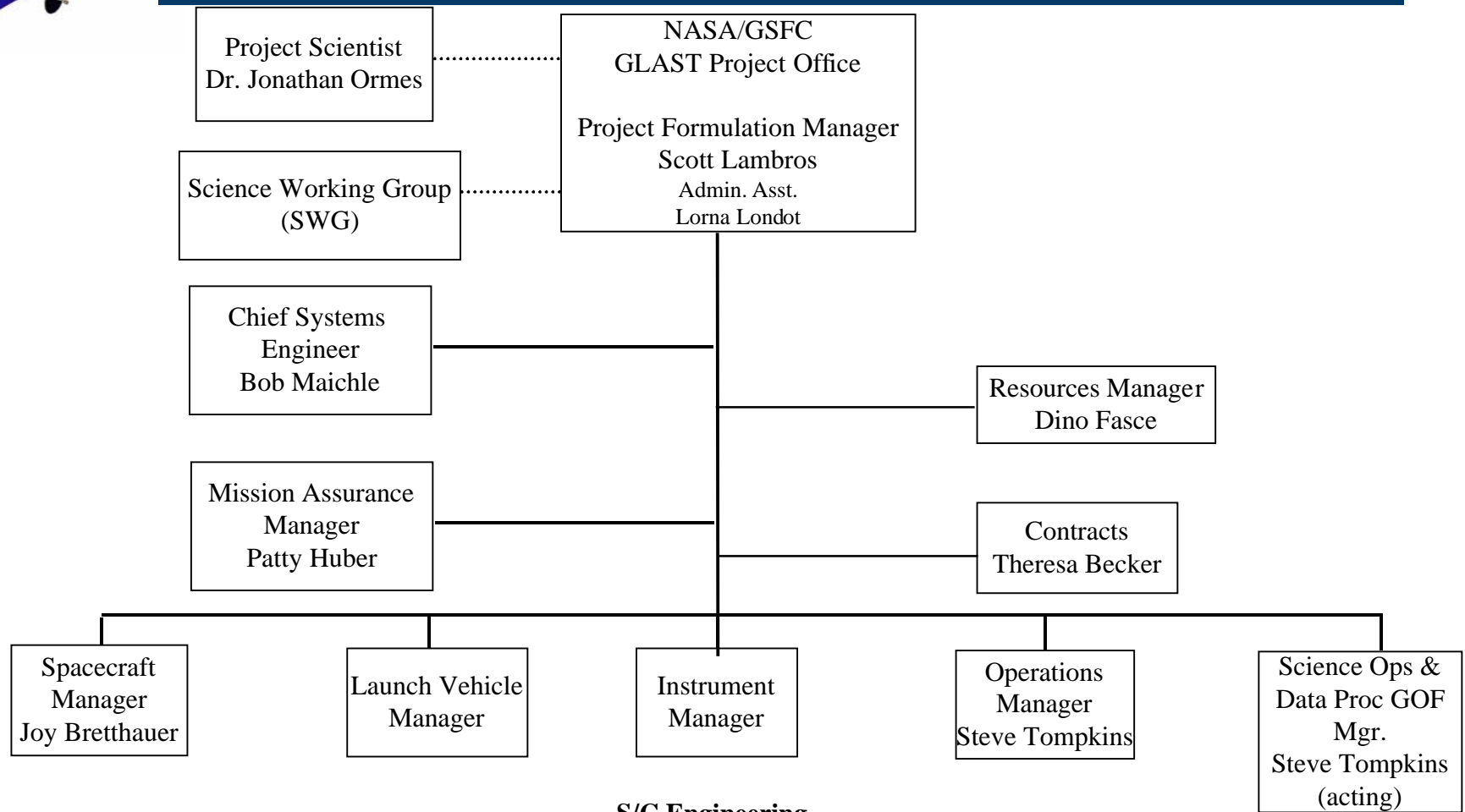


GLAST Long-Term Schedule





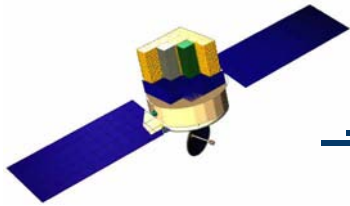
GSFC GLAST Project Structure



S/C Engineering

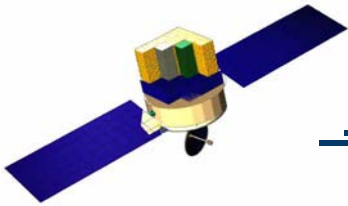
Team:

Electrical - Fred Blanchette	—	Mechanical - Matt Fenske
Thermal - Lou Fantano	—	ACS - Jennifer Bracken
Power - Vickie Moran	—	C& DH - Bill Anderson
Electromagnetic Compatibility - Jay Levy	—	Communications - Ben Bernstein



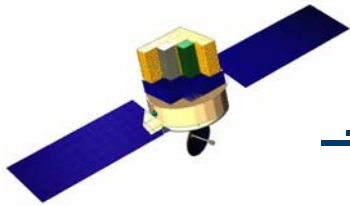
GLAST Project - SWG Interaction

- Project looks to the SWG for resolution/guidance of issues related to science and science-driven operation of the observatory.
- Day-to-day interaction with the Project Scientist (SWG chairperson).
- Science issues may be submitted to the Project Scientist to be put on a Science Issues List.
- Current issues will be discussed at this meeting.
- Part of SWG bi-annual meetings reserved for project science issues.



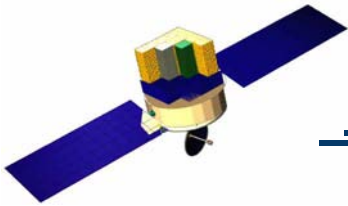
Spacecraft

- Using Goddard's Rapid Spacecraft Development Office (RSDO) "catalog" spacecraft.
- Developer under contract 09/01/02 (3 years before launch).
- "Accommodation Studies" performed each year for the next three (3) years.
 - To help define interfaces to instrument, ground system.
 - Each succeeding year supplies more detail; concentrates on specific interface problems.
 - Approximately 2-3 vendors selected each year: for 3-5 month study used to bound the configuration possibilities.
- Project determines interface requirements to instrument and to spacecraft, using inputs from both, and engineering team.
- First Accommodation Study currently in progress with Lockheed Martin, TRW and Orbital Sciences Corp.



Ground System/Data Processing

- Mission Operations Center (MOC) - observatory operations, supplied by NASA or procured through industry.
- Instrument Operations Center (IOC) - one at each instrument provider site.
- Science Support Center (SSC) - NASA HQ to decide where; includes data processing, distribution, and support for Guest Observers.
- Functional Allocation Team Study recently completed; results to be presented at this meeting.



Project Status/Near Term Milestones

- Beginning of six (6) month Independent Assessment.
- Beginning of three (3) month Spacecraft Accommodation Studies.
- System Requirements Review (SRR) end of September, 2000.
- Performance Specifications/Requirements Documents being written to support SRR.
- Non-Advocate Review (NAR) in August 2001: Gateway to Implementation phase.