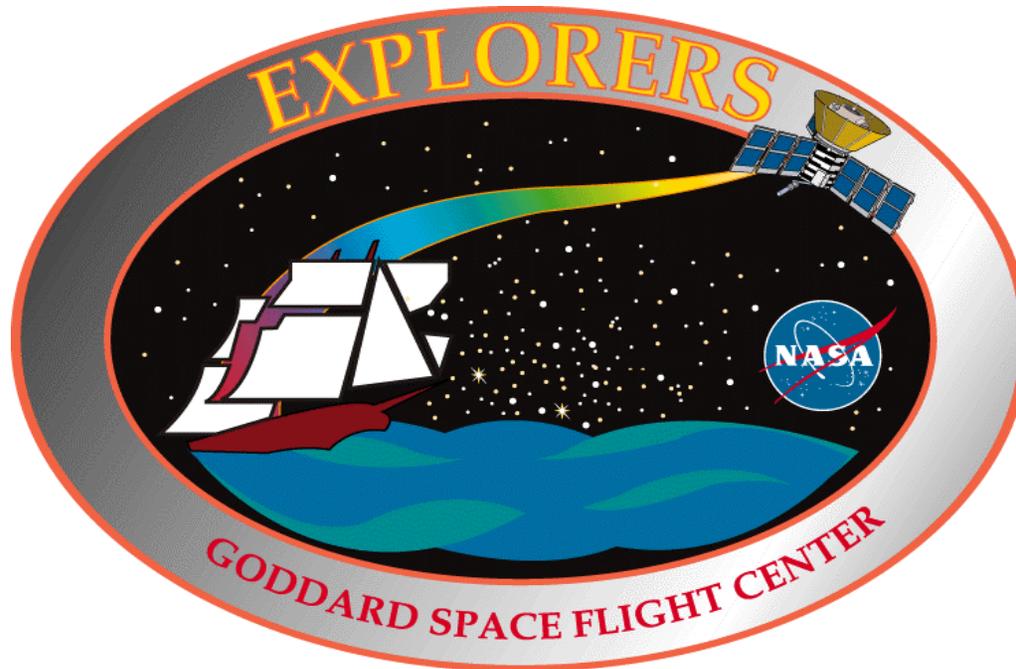


Explorers (EX) Concept Study Kickoff Meeting 2011

October 18, 2011



Nick Chrissotimos
Explorers Program Manager

Joe Dezio
Explorers Deputy Program Manager



The Explorers Program (1)

- ◆ **NASA's oldest continuous program**
 - Close to 100 successful missions since 1958
 - 15 successful launches in the last 10 years
 - Numerous scientific and Principal Investigator (PI) individual awards
 - ❖ John Mather, COBE Project Scientist – 2006 Nobel Prize for Physics
 - ❖ Neil Gehrels, SWIFT PI – Elected into the National Academy of Science (NAS) in 2010
 - ◆ **Program objective – Frequent flight opportunities for world-class scientific investigations**
 - ◆ **Uncoupled program of missions with unique science capabilities supporting heliophysics and astrophysics science goals**
-



The Explorers Program (2)

- ◆ **Mission class characterized by size, schedule, and budget cost caps**
 - MIDEX
 - EX
 - SMEX
 - UNEX
 - Missions of Opportunity

 - ◆ **Missions solicited through Announcements of Opportunity**

 - ◆ **Missions developed in Principal Investigator mode**

 - ◆ **Management oversight provided by the Explorers Program (GSFC)**
-

Space Science Explorers

Explorers/MIDEX

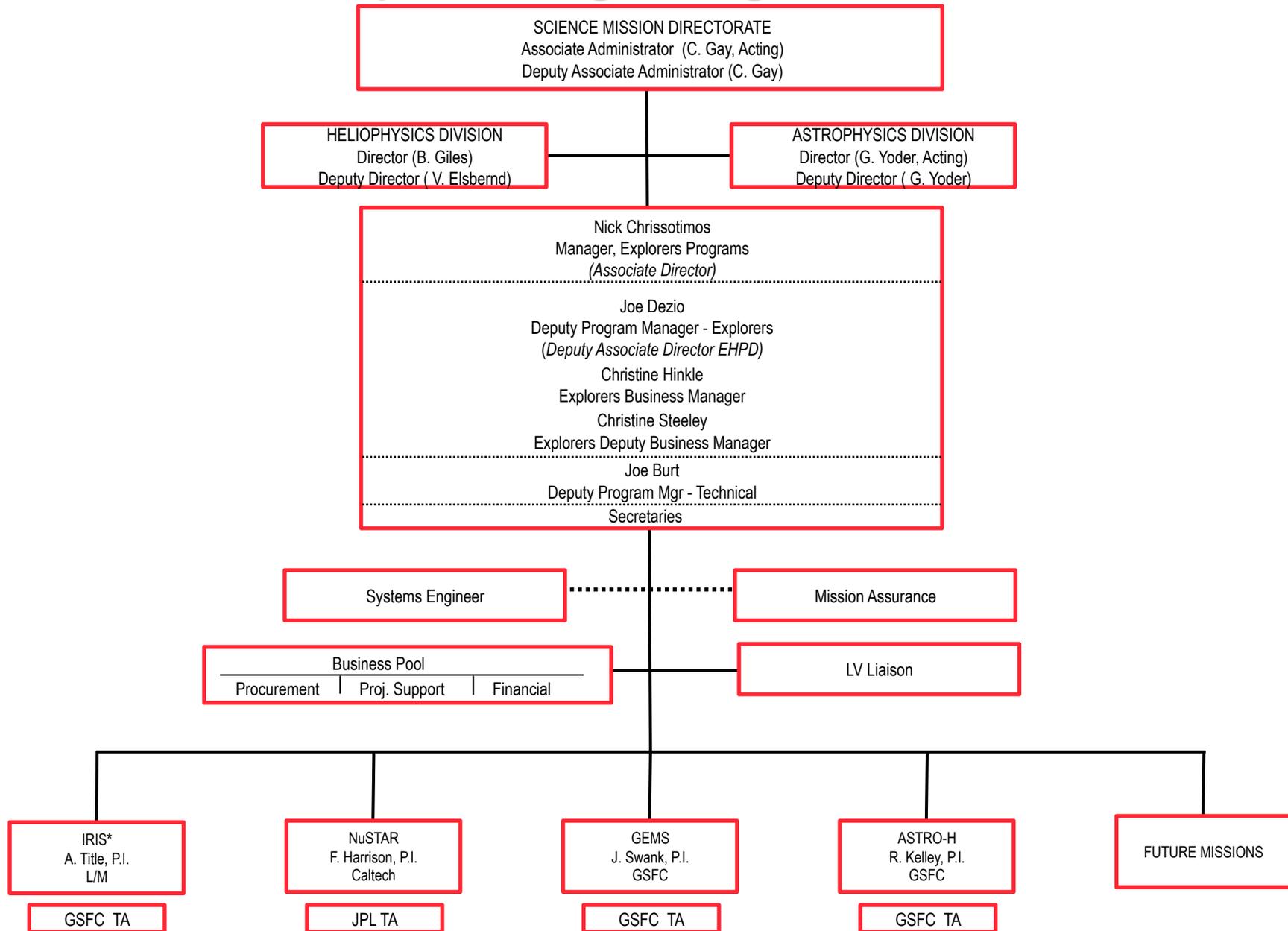
RXTE
ACE
FUSE
IMAGE
WMAP
Swift
THEMIS
WISE
SNOE
HETE-II
Integral
CHIPS
CINDI
TWINS
Astro-E2
Astro-H
GEMS
IRIS
NuSTAR
IBEX
AIM
GALEX
RHESSI
TRACE
SWAS
FAST
SAMPEX

SMEX

UNEX & Missions of Opportunity and Internationals

Supporting Heliophysics & Astrophysics

Explorers Program Organization Chart



* Heliophysics Mission



Developmental Roles & Responsibilities Summary

◆ NASA responsibility

- Program administration
- Moderate oversight
- “Traditional” review process
- “Project Plan,” approval (at Confirmation)
 - ❖ Reviewed for thoroughness, but PI responsible for content choices
- Technical Authority, Center approval for launch readiness

◆ PI responsibility

- Mission implementation (approach & execution)
- Performance/Cost/Schedule/Risk management
- Design guidelines
- Peer reviews
- Mission assurance
 - ❖ Industry standards, practice, and accountability
 - ❖ Industry practices-upon review and approval

◆ Ref GPR 7120.3C

Explorers

Explorers Program Master Schedule

STATUS AS OF: 09/30/11

