Explorers Program Overview (1 of 2)

• NASA’s oldest, continuous program
  – Over 100 successful missions since 1958

• Program Objective—Frequent flight opportunities for world-class scientific investigations

• Uncoupled program of missions with unique science capabilities supporting heliophysics and astrophysics science goals
• Mission class characterized by size, schedule, and budget cost caps
  – MIDEX
  – SMEX
  – Mission of Opportunity

• Missions solicited through Announcement of Opportunity

• Missions developed in Principal Investigator mode

• Mission oversight provided by the Explorers Program Office at GSFC
Explorers Missions

MIDEX
- FUSE
- ACE
- WMAP
- Swift
- THEMIS
- WISE
- TESS
- SPHEREx
- ICON

SMEX
- SWAS
- GALEX
- RHESSI
- AIM
- IBEX
- NuSTAR
- IXPE
- IRIS
- PUNCH
- TRACERS

UNEX • MO • INTERNATIONALS
- TWINS
- NISER
- CINDI
- GOLD
- XRISM
- Resolve
- Euclid
- AWE
- SunRISE
- CASE

Color coding:
- Purple: Astrophysics Missions
- Purple: Current Astrophysics Missions
- Orange: Heliophysics Missions
- Orange: Current Heliophysics Missions
Explorers Program Organization Chart

SMD
Astrophysics & Heliophysics Divisions

Nick Chrissotimos
Manager, Explorers Program (Assoc. Dir. Explorers and Heliophysics Projects Division (EHPD))

Gregory Frazier
Deputy Program Manager – Explorers (Dep. Assoc. Dir. EHPD)

Christine Hinkle, Explorers Business Manager
Carla Connor, Explorers Deputy Business Manager
Sherrie Wood, Explorers Financial Manager

Joe Burt, Deputy Program Manager - Technical

Caleb Principe, Explorers Instrument Systems Manager (acting)

Donna Bird, Program Support Manager

Emily Roth
Systems Engineering
Leslie Hartz

Mission Assurance
Joe Calabrese

LV Liaison
Tom Jones

Business Pool
Procurement
Proj. Support
Financial

Astrophysics

Euclid*
Greg Frazier, MM (acting)
Moshe Pniel (JPL), PM
Mike Seiffert (JPL), PS
Jessica Hamill, Sr. RA

GUSTO
Andrew Carson, MM
Christopher Walker (UA), PI
Matt Reinhart (APL), PM
Julie Myers, Sr. RA

IXPE
Joy Brethauer, MM
Martin Weisskopf (MSFC), PI
Randy Baggett (MSFC), PM
Jessica Hamill, Sr. RA

AWE
LaMont Ruley, MM
Michael Taylor (USU), PI
Burt Lamborn (SDL), PM
Sherrie Wood, FM

PUNCH
Tyrone Dillard, MM
Craig DeForest (SwRI), PI
Ronnie Killough (SwRI), PM
Ken Lee, FM

SunRISE
Greg Frazier, MM (acting)
Mary Reden Deputy MM
Justin Kasper (UMI), PI
Jim Lux (JPL), PM
Julie Myers, Sr. RA

*Strategic Missions

Heliophysics

SPHEREx
Greg Frazier, MM (acting)
Roger Kraus, Deputy MM
Jamie Bock (Caltech), PI
Allen Farrington (JPL), PM
Ken Lee, FM

XRISM*
Lillian Reichenhal, PM
Richard Kelley, PI
Sherrie Wood, FM

CASE
Greg Frazier, MM (acting)
Mark Swain (JPL), PI
Moshe Pniel (JPL), PM
Justin King, FM

TRACERS
Greg Frazier, MM (acting)
Keith Cleveland, Deputy MM
Craig Kletzing (UI), PI
Ron Black (SwRI), PM
Justin King, FM
Mission Development Responsibilities

• **NASA responsibility**
  – Program administration
  – Insight/oversight
  – Project review process (SRB and KDP)
  – Technical authority
  – Launch vehicle procurement

• **PI responsibility**
  – Level-1 science requirements
  – Mission implementation
  – Technical, cost, and schedule performance
  – Safety and mission assurance
  – Internal review process (element and peer)