Explorers Program Overview

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Explorers Deputy Program Manager

2021 Astrophysics MIDEX Explorers AO
Pre-Proposal Conference
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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

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

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

**SMEX**
- FAST
- TRACE
- GALEX
- RHESSI
- NuSTAR
- IBEX
- IXPE
- IRIS

**UNEX • MO • INTERNATIONALS**
- HETE2
- Integral
- CHIPS
- NICER
- GUSTO
- XRISM
- Resolve
- AWE

**Categories**
- Astrophysics Missions
- Current Astrophysics Missions
- Heliophysics Missions
- Current Heliophysics Missions
# Explorers Program Master Schedule

**Explorers Program**

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Mission Development Responsibilities

• NASA responsibility
  – Program administration
  – Moderate insight/oversight
  – Project review process
  – Technical Authority
  – Launch vehicle procurement

• PI responsibility
  – Level-1 science requirements/design concept
  – Mission implementation
  – Technical, cost, and schedule performance
  – Peer reviews
  – Safety and mission assurance
    › Develop and execute a Mission Assurance Implementation Plan based on Explorers Mission Assurance Requirements.
Additional Information

Explorers Website:
http://explorers.gsfc.nasa.gov

Explorers Library Websites:
https://explorers.larc.nasa.gov/2021APMIDEX/MIDEX/programlibrary.html

https://explorers.larc.nasa.gov/2021APMIDEX/MO/programlibrary.html