Imaging X-ray Polarimetry Explorer General Observer Program Cycle 3

Mihoko Yukita (GSFC/JHU) IXPE GOF

Kavitha Arur (GSFC/UMBC/CRESST) *IXPE GOF Lead*

Proposal Submission

Two phase process

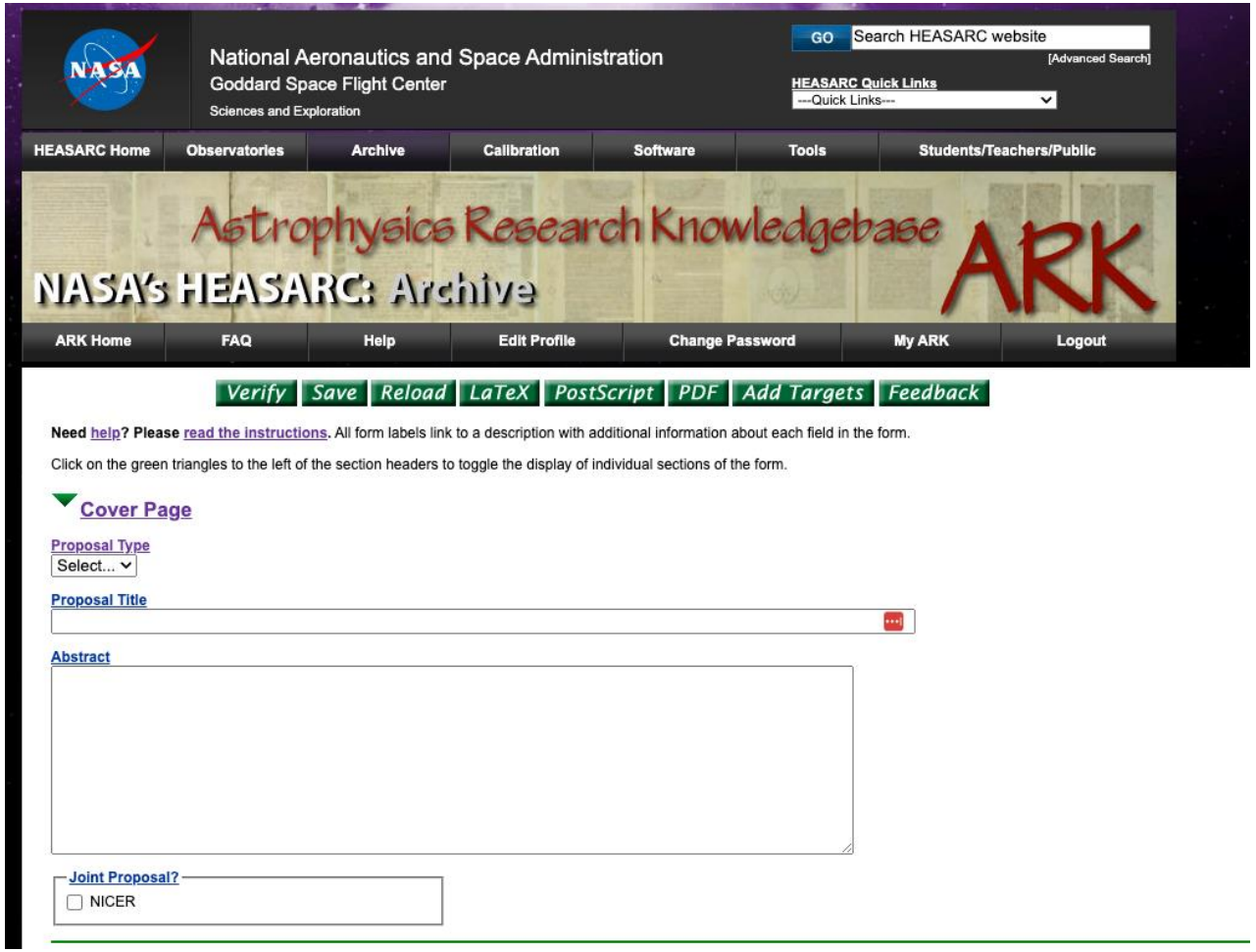
- Phase 1 – Scientific Justification
  - Dual anonymous
- Phase 2 – Budget proposal

Phase 1 Proposal Submission

Submission through ARK/RPS

- ❑ RPS form
- ❑ Scientific/Technical Justification
- ❑ Expertise and resources document

- ❑ Opening of ARK/RPS for IXPE will be announced via IXPE email list.



Phase 1 – RPS Form

- Title, abstract, PI and co-I information
- Must estimate MDP!
  - WebPIMMS
- Justify any time constraints
- Make sure time constraints do not conflict with visibility windows
  - Use the HEASARC visibility tool to check
- Target form for each different target/trigger
  - Observing plan, joint/coordinated observations, estimated count rate

The information in this form is used by the SOC to plan observations. Please fill in the information carefully and accurately!

Phase 1- Science/Technical Justification

- Please respect the page limits!
  - 4-page limit (incl. figures & tables)
  - 5 pages for large, multi-cycle and joint proposals
  - References do not count against page limit, can use one extra page
- Introduction
  - Brief overview of topic
  - Key science questions being answered
- Justification for observations:
  - Has the target been observed before?
  - STRONG justification for ToO trigger request, incl. trigger probability
  - Exposure time

Phase 1- Science/Technical Justification

- Technical feasibility
  - Use WebPIMMS to estimate count rate and MDP
  - Use measured polarization from similar sources from IXPE publications
  - Use a theory that predicts polarization
  - Simulations (e.g using user contributed software such as *ixpeobssim*)
- **One paragraph work plan**
- MUST maintain anonymity! – Especially if previously approved ToO/cat C
  - Use neutral language (“this target was approved…”)
  - Do not identify yourself (“This proposal by our team was selected in Cycle 2”)
  - Stating your team has access to telescope/proprietary data is OK. Further details should go in E&R document.

Phase 1 - Expertise and Resources

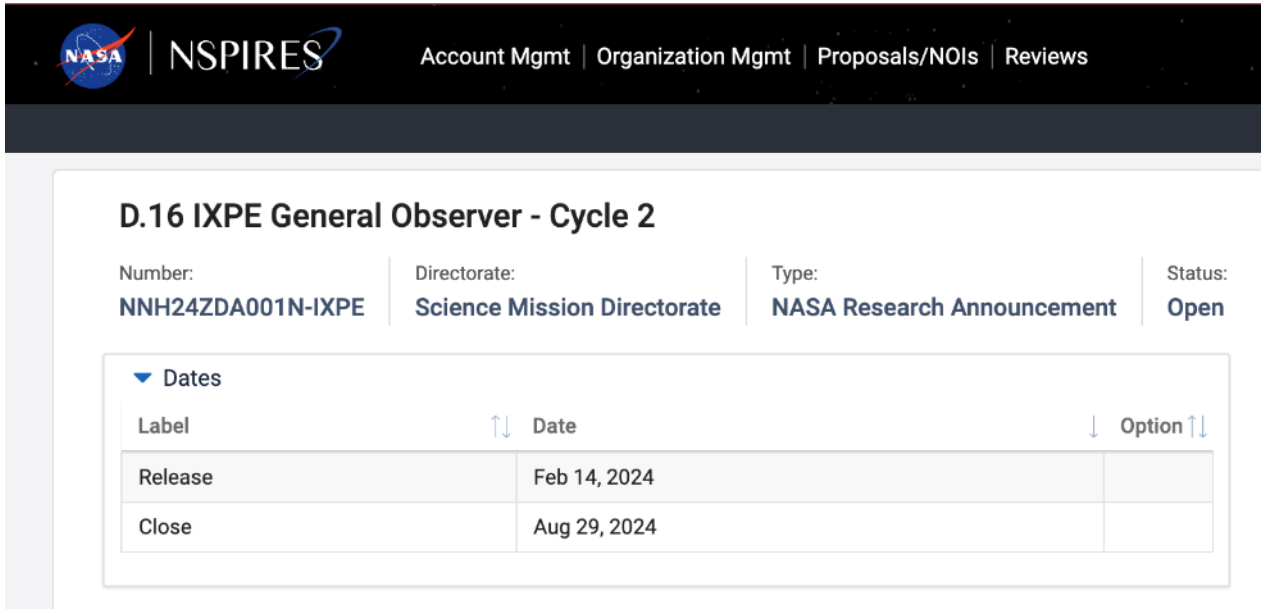
- 1 page PDF, not anonymized
- Only seen by panel after ranking is finalized
  - For highly ranked/ tentatively selected proposals
- Team members, including ranks, affiliations and research expertise
- Access to pre-approved data, institution specific facilities
- Justification for exclusive use period (if requesting)

If you have any questions, or run into any issues, please see the RPS help page or contact the help desk as soon as possible!

Phase 2 Proposal Submission

- Submission through NSPIRES
- US PIs of selected proposals will be invited to submit a budget*
- US Co-Is of proposals from non-US PIs may not submit a budget
- Fair share amount will be emailed to the budget/admin PI

- Includes:
  - ❑ NSPIRES form
  - ❑ 2 page budget narrative
  - ❑ Current and pending support for the PI
  - ❑ PI Bio sketch form



Conclusions

- IXPE cycle 3 proposal deadline is coming up – **September 11th 2025, 4:30pm Eastern Time**
  - Coincides with other deadlines – prepare in advance!
- IXPE's unique polarization capabilities can help your science!
- We are looking for volunteers for the review panels!
  - Proposal reviewers (must have PhD at the time of review)
  - Executive secretaries (graduate students)
- Please contact the IXPE Help Desk if you have any questions!

IXPE Help Desk

Useful Links

- IXPE Cycle 3 Call for proposals
- IXPE Cycle 3 Proposers Guide
- IXPE RPS – Proposal Submission site
- HEASARC Viewing Tool
- HEASARC WebPIMMS

Imaging X-ray Polarimetry Explorer General Observer Program Cycle 3

Doug Swartz (MSFC/USRA) *MSFC GOF Lead*