

CDO CUC Report: Overview

CDO Composition:

2-3 IT Specialists: Catherine “Katie” Cranmer*, Tara Gokas, Evan Tingle

5 Scientists: Thomas Connor, Antonella Fruscione (50%), Amruta Jaodand,
Rodolfo “Rudy” Montez Jr., Pat Slane

Agenda:

- Highlights of CDO Activities
- Report on Cycle 27 Statistics and Status
- Plans for Cycle 28

Highlights of CDO Activities

- **AAS and HEAD Meetings**

- Organized and supported the booth at Summer AAS in Alaska
 - 5 Staffers (Connor, Cranmer, Jaodand, Paggeot, N. Wolk).
 - Engagement activities included Daily Trivia contests, sonifications, and 3D prints/tactile plates
 - Supported Vera Rubin Celebration Town Hall
- Organized and supported the table at HEAD Meeting in St. Louis
 - 2 Staffers (Fruscione, Montez)

- **Completed the Cycle 27 Peer Review**

- Transition to a distributed peer review model (more later).

Highlights of CDO Activities

- **Staff Changes**

- *Departure:* CDO IT Specialist Catherine “Katie” Cranmer left the CXC in August 2025 to pursue graduate school in Italy.

Cycle 27: Statistics

- **Statistics**

- Small decreases in GO and LP.
- Increase in VLP.
- Archive and Theory proposals were **not** solicited in this call.

	Cycle 26	Cycle 27
Total	406	299
GO (w/ TOO)	237 (287)	208 (264)
LP	30 (31)	25 (26)
VLP	6	9
Archive	58	0*
Theory	23	0*

* not solicited in this call.

Cycle 27: Distributed Peer Review

Changed to a Distributed Peer Review (DPR) model for all proposals submitted to the CfP with proposals for TOO, Large Programs, and Very Large Programs also going thru a review by traditional panels informed by the DPR.

Key Elements:

- No more than 16 review assignments per reviewer.
- Quick turn around from proposal deadline to reviewer assignments.
- Two-phase review for adjusting scores and reports based on other reviews.

Cycle 27: Change in Peer Review Process

Outcomes and Selections:

- Used DPR scoring and reviewer information to produce ranked proposals by scientific category.
- Selected top programs from each scientific category based on DPR scoring, added next in line programs from each scientific category as time allocation allowed and with Selection Official review.
- Sent DPR review information to TOO/BPP panels to inform their discussions and final recommendations.

Cycle 27: Schedule

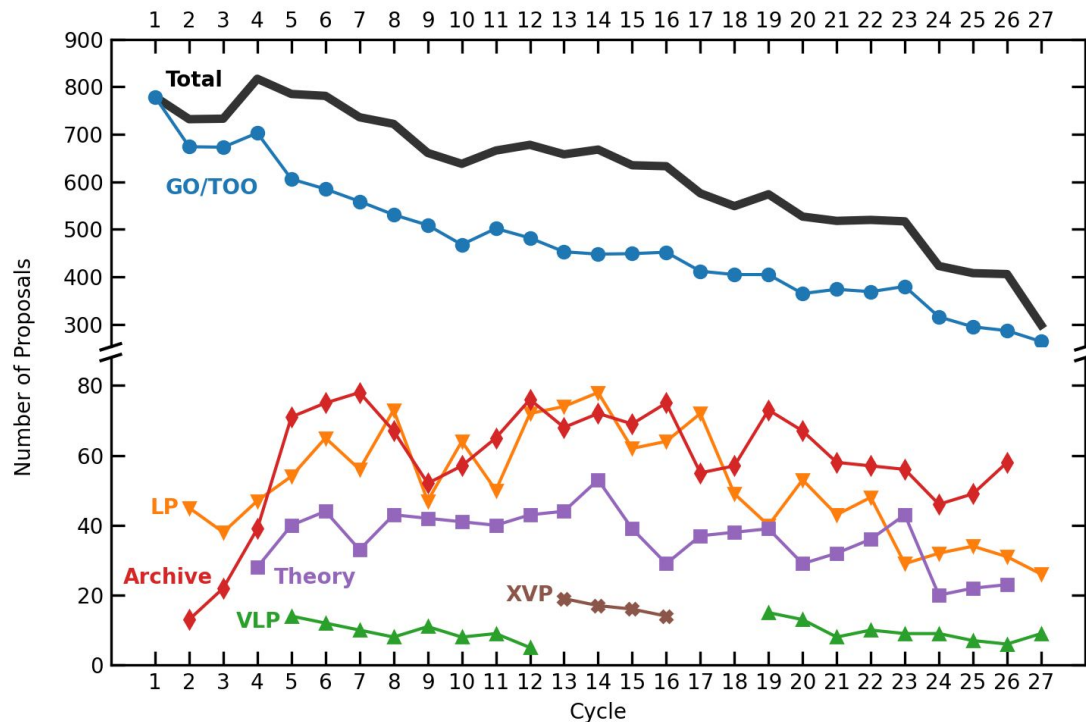
- Timeline:
 - 19 December 2024 - Call for Proposal and POG Release
 - 19 March 2025 - Deadline for Proposals
 - 31 March - 21 May 2025 - Distributed Review
 - 16-27 June 2025 - Peer Review Meetings (TOO and Big Project Panels)

CYCLE 26												
Cost Proposal Deadline	▲											
CYCLE 27												
Call for Proposals			▲									
Proposal Deadline						▲						
Peer Review							DPR		▲			
	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25

Cycle 27: Statistics

- **Statistics**

- Minor decreases in number of GO and LP.
- Increase in VLP.
- Increase in Oversubscription.
- Archive and Theory proposals were **not** solicited in this call.



Cycle 27: Oversubscription

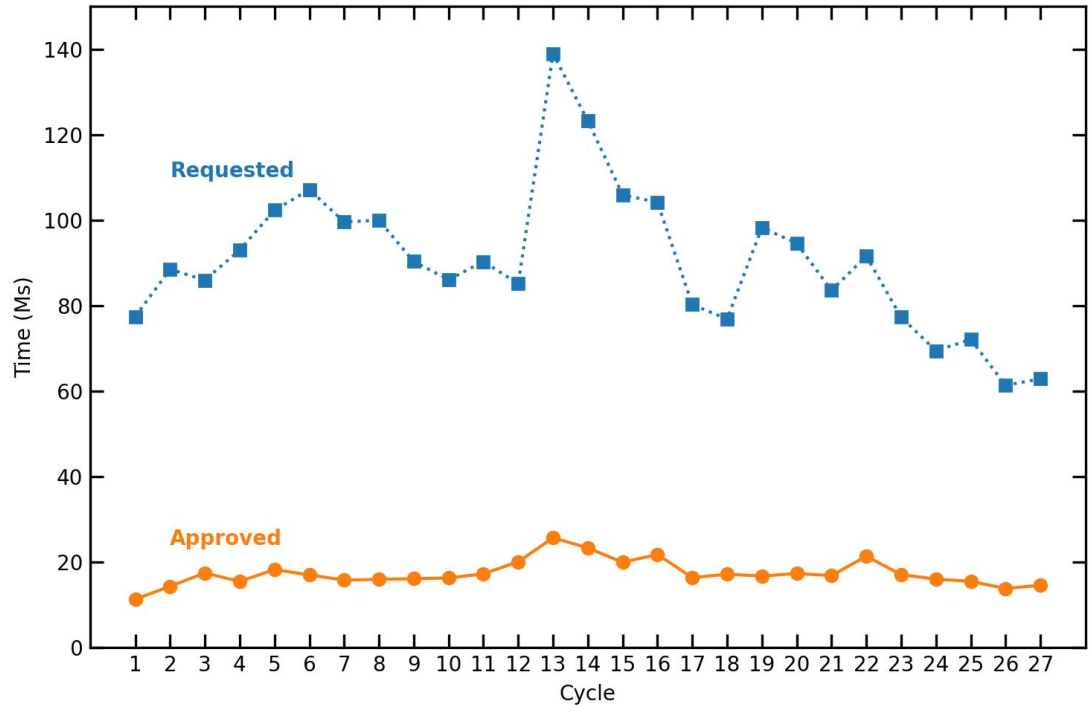
Oversubscription by Time

- **Overall: 4.3**

(Time Awarded: 14 Ms*,
Time Requested: 63 Ms)

- **GO/TOO: 3.5**
- **LP: 4.7**
- **VLP: 7.4**

* Nominally 14 Ms (but 2 Ms was reserved for Chandra Legacy Program and came back from JPOs).



Cycle 27: Oversubscription

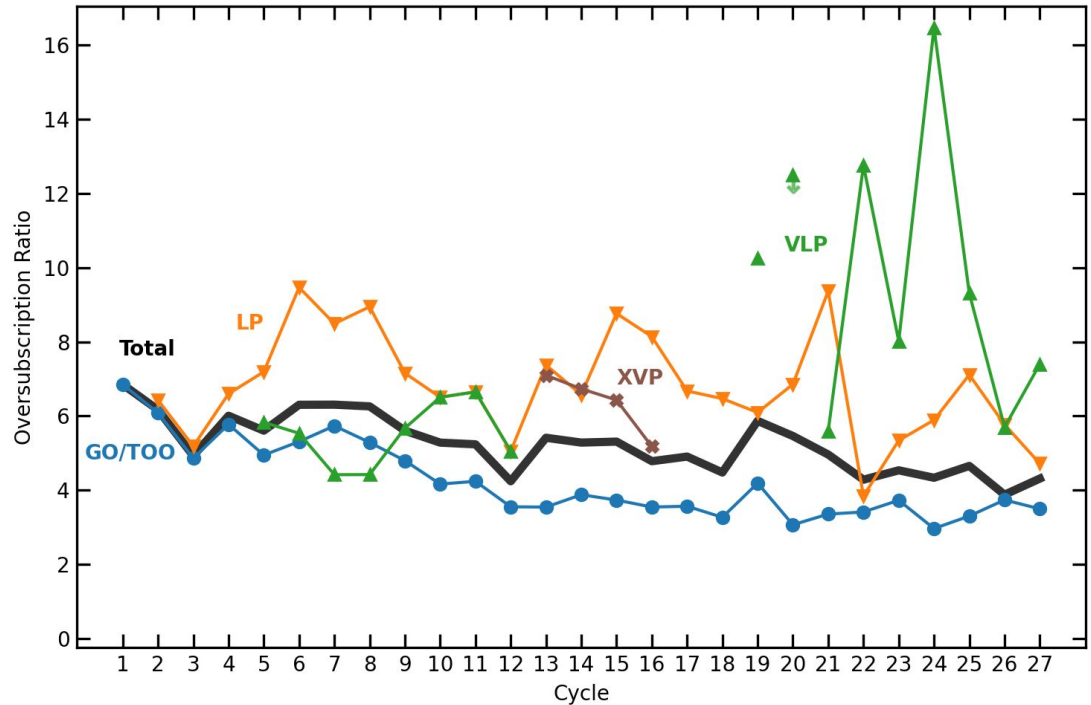
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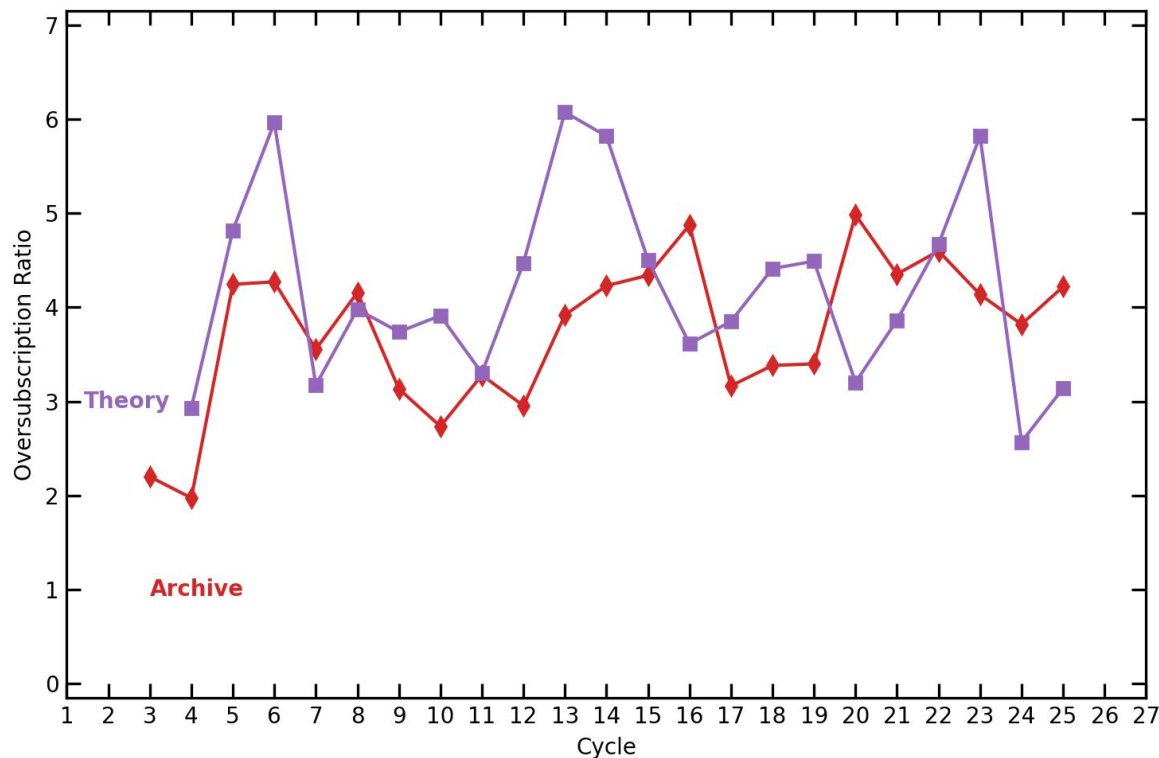
- **GO/TOO: 3.5**
- **LP: 4.7**
- **VLP: 7.4**

* Nominally 14 Ms (but 2 Ms was reserved for Chandra Legacy Program and came back from JPOs).



Cycle 27: Archive and Theory

No Archive and Theory proposals were solicited for this Call for Proposals.



Cycle 27: Big Projects and Resources

- 4 Ms to Big Project Panel with at least 1 Ms awarded to Very Large Project(s).
 - **Large Programs (3.7 Ms):**
 - Characterizing Stellar Magnetic Activity From Jwst Observed Protostars In Omc-2/3 (PI: Wolk, 0.45 Ms)
 - Progenitor Properties of the Magnetar-Hosting SNR Kes 73 (PI: Temim, 0.56 Ms)
 - Cosmic Rays from the Fermi Bubble in an External Galaxy (PI: Huang, 0.5 Ms)
 - X-ray the Einstein Ring of a Strongly Lensed HyLIRG (PI: Wang, 0.4 Ms)
 - Mapping Nuclear Activity in Massive Large-scale Structures at $z \sim 2.2$ (PI: Lepore, 0.59 Ms)
 - Searching for Dust-obscured Black Hole Growth in a Spectacular Proto-cluster in the Early Universe (PI: Eilers, 0.75 Ms)
 - Community Discovery Program: Panchromatic CXO/VLA/HST Observations of a NS Merger (PI: Xray, 0.47 Ms)
 - **Very Large Programs (2 Ms):**
 - A Long Term Study of Low Energy X-Rays and Charge Exchange Processes in Jupiter's Aurorae (PI: Parry, 1Ms)
 - Legacy X-ray Observations of Cas A (PI: Patnaude, 1Ms)

Chandra Legacy Program: ongoing

- Selection for Initiative 1: *Probing the Physics of Baryon Cycles and Feedback using Deep Observations of Nearby Galaxies* (3 Ms)
 - Selected Proposal: A Treasury Survey Probing the Baryon & Energy Cycle and X-ray Binary Evolution in Galaxies at High Angular Resolution (PI: Smita Mathur) with an award of 2.9 Ms for 37 targets.
- Selection for Initiative 2: *Deep Observation of a Galaxy Cluster to Understand Key Physical Processes* (3 Ms)
 - Selected Proposal: The Sounds of Feedback: Deep and Wide Imaging of the Cool Core of the Perseus Cluster (PI: Andrew Fabian) with an award of 3.0 Ms for the Perseus Cluster.

Cycle 28: Planning & Schedule

- Continue with Distributed Peer Review and TOO/BPP Panels.
 - Improved instructions for reviewers (both for scoring and report writing).
- Continue with ~4 Ms to Big Project Panel with at least 1 Ms awarded to Very Large Project(s).
- Considering an explicit AI Use policy statement.
- Timeline:
 - 18 December 2025 - Call for Proposal and POG Release
 - 18 March 2026 - Deadline for Proposals
 - 1 April - 22 May 2026 - Distributed Review
 - 15-25 June 2026 - Peer Review Meetings (TOO and Big Project Panels)

Additional Activities

Cycle 27 Loose-ends:

- Issuing Cycle 27 Fair Share Letters once government reopens
- Revising/clarifying the No Cost Extension policy

Meetings:

- Chandra Booth at the Winter AAS Meeting in Phoenix, AZ
- Chandra Booth at the Summer AAS Meeting in Pasadena, CA
- Return of Chandra Science Workshop (Cambridge, MA; August; topic: TBD)
- Participating in the organization of the NHFP Symposium (Cambridge, MA; September)