

Chandra Director's Office (CDO)

CUC Meeting Report

CDO is comprised of the following:

Technical Specialists: Catherine “Katie” Cranmer (50%), Tara Gokas, Evan Tingle

Scientists: Thomas Connor, Antonella Fruscione (50%), Paul Green (50%), Amruta Jaodand (joined in Feb 2024), Rodolfo “Rudy” Montez Jr.

Director: Pat Slane

Cycle 26 Peer Review

Statistics

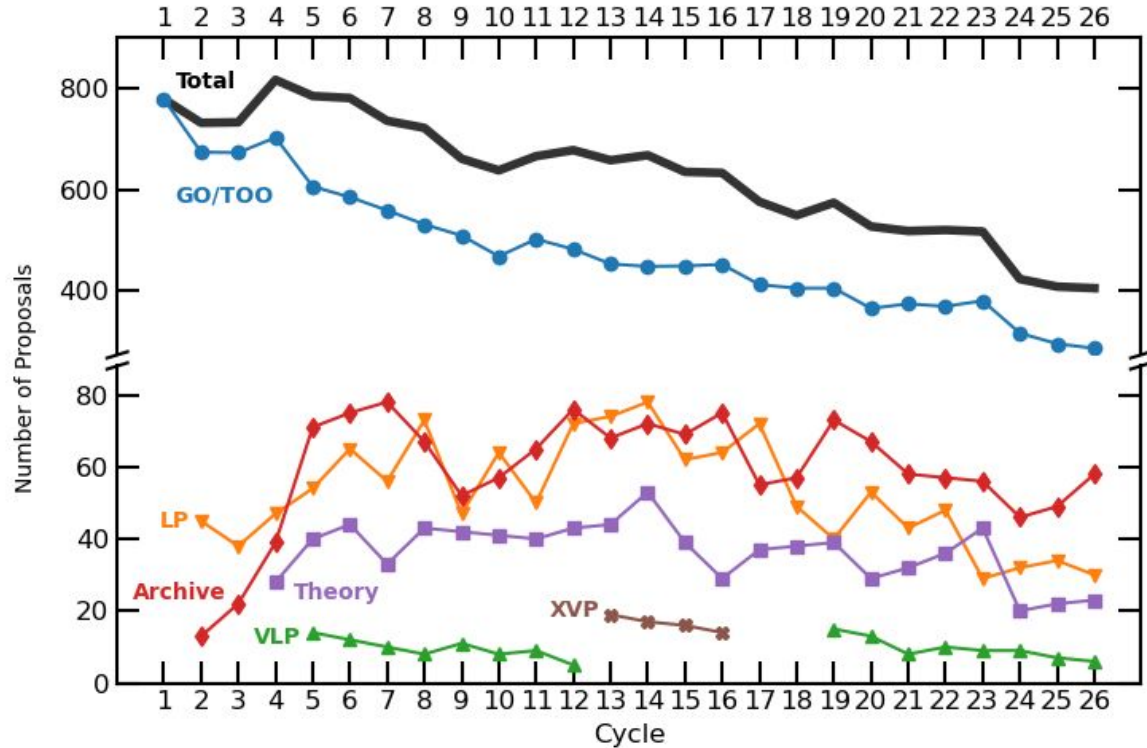
- A ~20% increase in Archive proposals, otherwise steady.

	Cycle 25	Cycle 26
Total	408	406
GO (w/ TOO)	240 (295)	237 (287)
LP	31 (32)	30 (31)
VLP	7	6
Archive	49	58
Theory	22	23

Cycle 26 Peer Review

Statistics

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Cycle 26 Peer Review

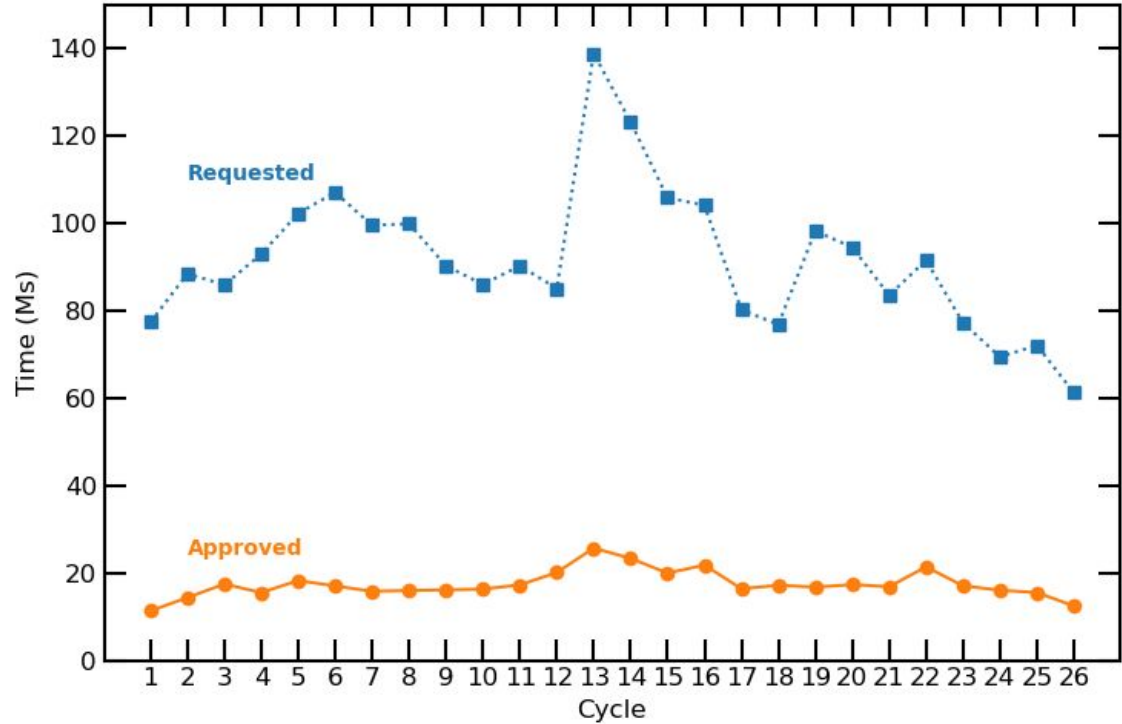
Oversubscription by Time

- Overall: 4.9

(Time Awarded: 44 12 Ms,

Time Requested: 61 Ms)

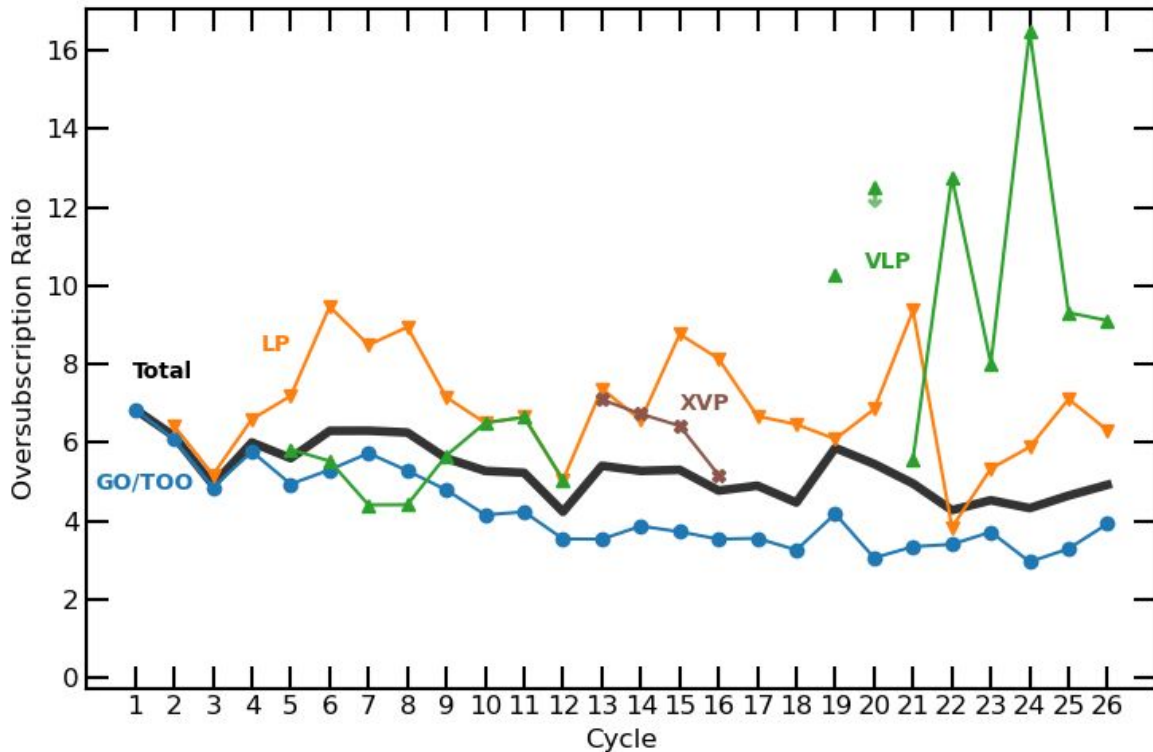
- GO/TOO: 4.0
- LP: 6.3
- VLP: 9.1



Cycle 26 Peer Review

Oversubscription by Time

- **Overall: 4.9**
(Time Awarded: 44 12 Ms,
Time Requested: 61 Ms)
- **GO/TOO: 4.0**
- **LP: 6.3**
- **VLP: 9.1**



Cycle 26 Peer Review

Oversubscription by Funds for Theory and Archive

- **Archive:** 4.1

Request: \$4.35 million

Budget: \$1.05 million

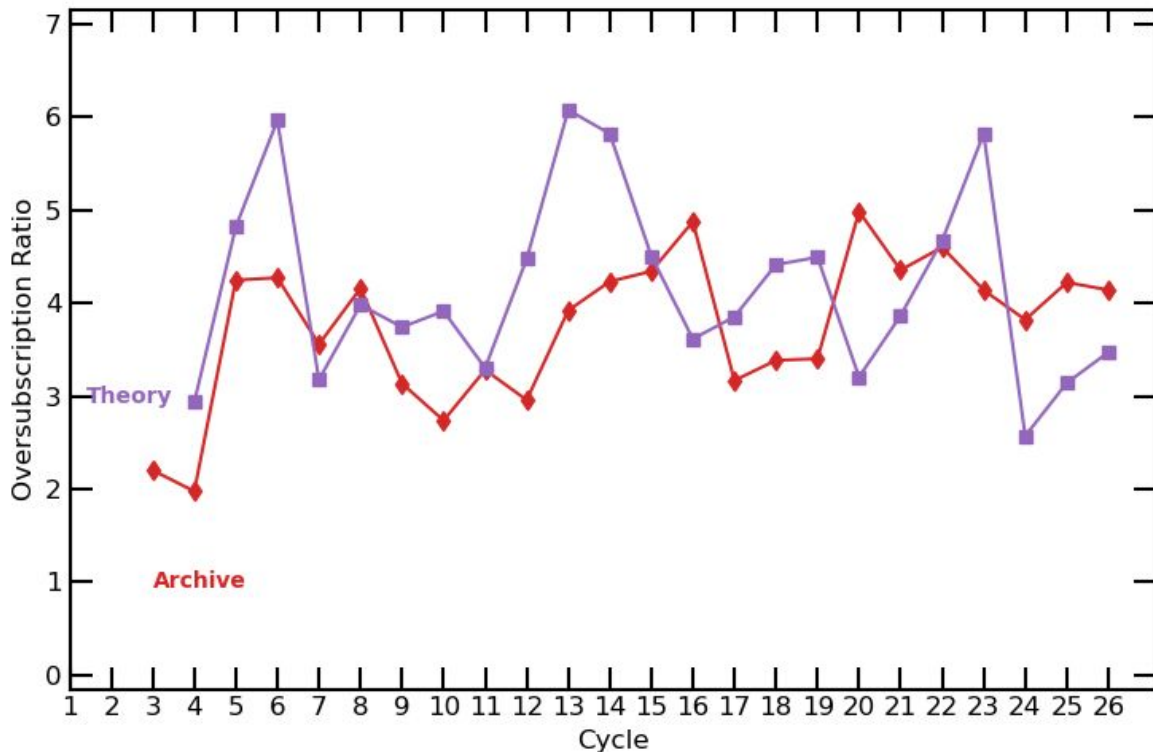
Award: TBD

- **Theory:** 3.5

Request: \$2.08 million

Budget: \$0.60 million

Award: TBD



Schedule for Cycle 26

Timeline

- ~~14 December 2023 – Call for Proposal and POG Release~~
- ~~14 March 2024 – Deadline for Proposals~~
- June: Peer Review (panels starting next week and running until end of June).
- August: Selections *Typically* Announced

Cycle 26 Peer Review

Stronger advertisement for Joint Time agreement with JWST seems to have worked (increase from <40 hours requested last cycle):

- 150 hours of JWST observing time are available in Cycle 26.
 - 168.2 hours requested / TBD hours approved
- 250 ksec of *Chandra* observing time is available for the JWST CfP.
 - TBD

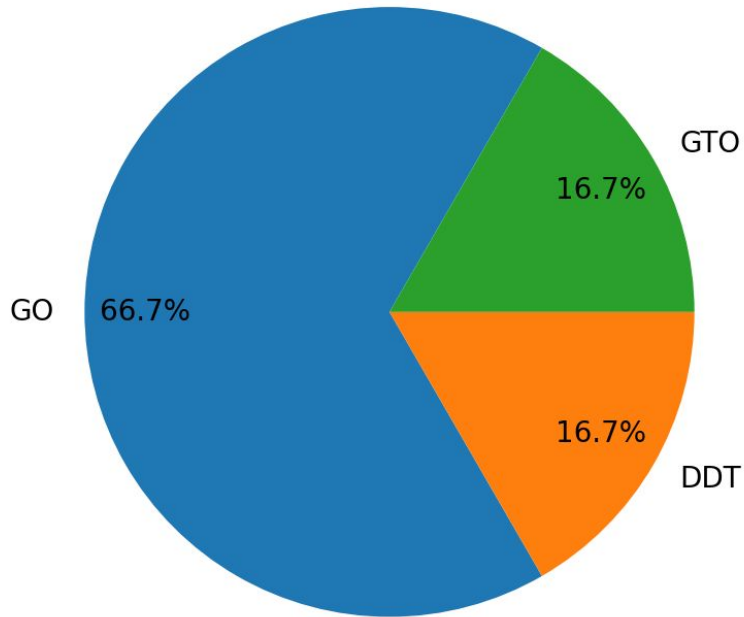
Chandra Legacy Program



Are there major initiatives (science challenges) for which the capabilities of Chandra — alone or in combination with other cutting-edge facilities — are absolutely required to address fundamental questions about our current understanding of the components and evolution of the Universe, and which would represent a crucial missed opportunity if they are not completed during Chandra's lifetime?

Chandra Legacy Program

- Carved out 6 Ms for the program from the following allocations:



- 4 Ms from the GO
- 1 Ms from the DDT
- 1 Ms from GTO

(split over Cycles 26 & 27)

Chandra Legacy Program

- November 2023 - Call for Chandra Legacy Program White Papers Issued
- January 2024 - White Papers Due Date
- February 2024 - Review of White Papers and subsequent Call for Proposals
- April 2024 - CLP Proposal Due Date
- May 2024 - CLP Proposal Review and subsequent Selection Announcement

Chandra Legacy Program

- White Papers
 - **22 White Papers**
 - 244 Scientists (PIs and Co-Is)
 - 24 unique lead authors from 19 unique institutions.
 - 127 Institutions in 22 Countries
 - **Total Request:**
 - 92 Ms (1065 days) for an oversubscription of 15x by time
 - Review Committee composed of 7 Non-CXC Scientists discussed the White Papers over 4 days and made CLP initiative recommendations.

Chandra Legacy Program

- CLP Initiatives:
 - *Probing the Physics of Baryon Cycles and Feedback using Deep Observations of Nearby Galaxies (3 Ms)*
 - *Deep Observation of a Galaxy Cluster to Understand Key Physical Processes (3 Ms)*

Chandra Legacy Program

- 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.

Chandra Legacy Program

- 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.

Chandra Legacy Program

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.

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 of the Perseus Cluster.

Chandra Legacy Programs will be conducted in parallel over Cycles 26 & 27.