



STScI's Missions and the Community



Outline

STScI is the Science Operating Center for three major space missions

All three have important opportunities for the community in the coming year

- JWST
 - Release of the Cycle 2 GO/AR Call for Proposals
- HST
 - Release of the Cycle 30/31 schedule & Cycle 31 Call for Proposals
- Roman
 - ROSES Call for Wide Field Science proposals, Project Infrastructure Teams & Coronagraphic Community Participation
 - Process to start defining the key Core Community Surveys



JWST



JWST commissioning & Cycle 1 observations

- Launched on December 25, 2021
- Commissioning is nearing completion
- Cycle 1 science observations will start imminently
- Early Release Observations will be presented on July 12th
 - The ERO images become public after the press release
 - All commissioning data will become public two days after the ERO release
 - *Science data taken before July 12th will be embargoed until after the ERO release*
- **See the JWST Town Hall for more details on current status & immediate prognosis**
 - Tuesday June 14th, 6:30 pm, Hall C



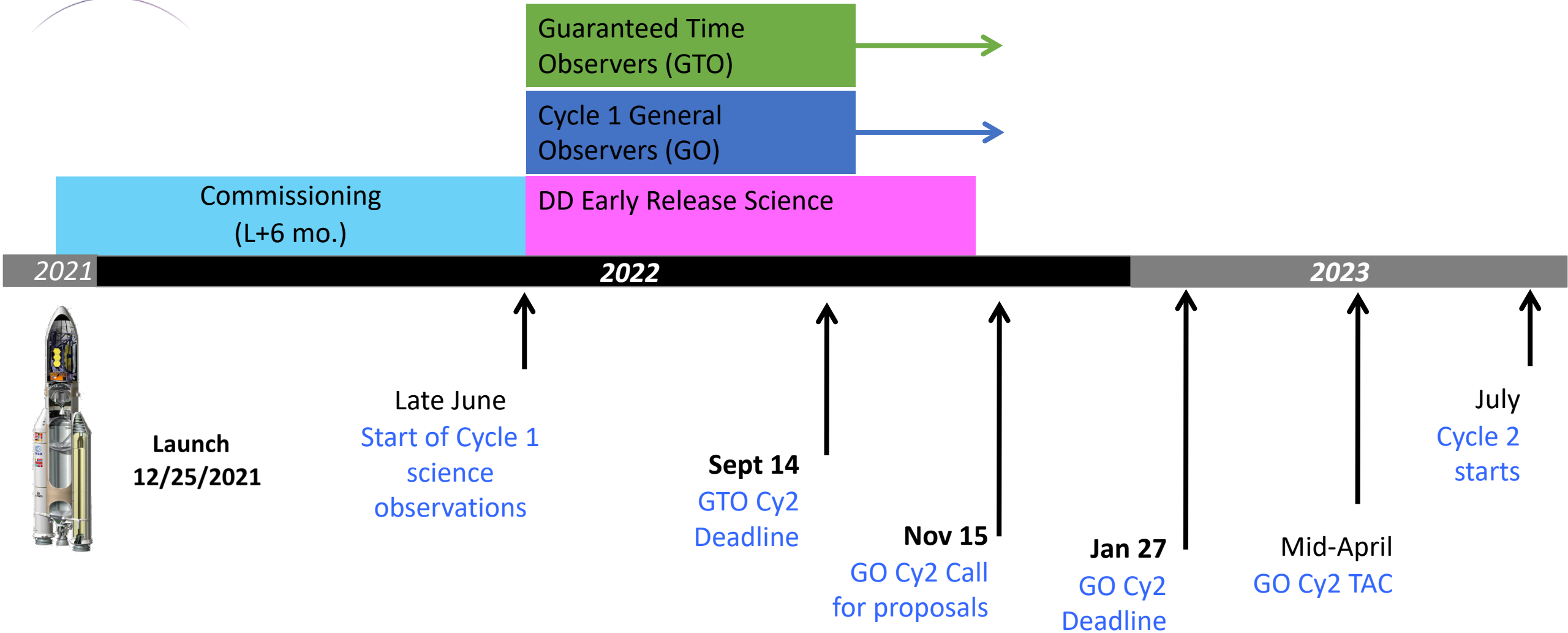


JWST Cycle 2 schedule

- Cycle 2 schedule has been designed against the following criteria:
 - Maximise access to JWST data
 - All ERS programs will have at least some data taken within the first 5 months of Cycle 1
 - Avoid major external events (holidays, conferences, other proposal deadlines)
 - Phase HST and JWST activities to match STScI resources
- Cycle 2 GO/AR Call for Proposals will be issued on November 15, 2022
- Cycle 2 proposal deadline will be January 27, 2023
- Cycle 2 TAC will meet in mid-April/early May 2023
- Cycle 2 observations start, July 1 2023



Cycle 2 timeline





JWST Users Committee

The JWST User Committee is charged with providing the JWST Project at Goddard Space Flight Center and Space Telescope Science Institute with advice on all aspects of observatory operation. The JSTUC includes community members from the USA, Canada and ESA countries, as well as representatives of each instrument team through the end of Cycle 1.

JSTUC membership is listed here

<https://www.stsci.edu/jwst/science-planning/user-committees/jwst-users-committee>

Community members can contact the chair directly from this web-page

- New members can be nominated (including self-nominations) by email to jstuc@stsci.edu

All presentations from meetings are available on-line. Next meetings are

July 25th, virtual, focus on Cycle 1 status

August 25 & 26, in-person, looking forward to Cycle 2



JSTUC membership

Voting members

Name	Institution	Role
Mercedes Lopez-Morales	Harvard-Smithsonian	Chair
Kat Barger	Texas Christian University	
James Bullock	University of California, Irvine	
Saida Caballero-Nieves	Florida Institute of Technology	
Stephane Charlot	Institute d'Astrophysics, Paris	NIRSpec
Kalliopi Dasyra	University of Athens	ESA
Alistair Glasse	Royal Observatory, Edinburgh	MIRI
Tom Greene	NASA-Ames	NIRCam
Joel Kastner	Rochester Institute of Technology	
Tiffany Kataria	Jet Propulsion Laboratory	
David Lafreniere	Universite de Montreal	NIRISS
Els Peeters	University of Western Ontario	CSA
Shobita Satyapal	George Mason University	
J.D. Smith	University of Toledo	
Cristina Thomas	Northern Arizona University	
Dominika Wylezalek	University of Heidelberg (ARI)	ESA

Non-Voting members

Name	Institution	Role
Alessandra Aloisi	STScI	Ex officio
Jean Dupuis	CSA	CSA, ex officio
Pierre Ferruit	ESTEC	ESA, ex officio
John Mather	GSFC, JWST Senior Project Scientist	NASA, ex officio
Chris Evans	STScI	ESA, ex officio
Neill Reid	STScI	Ex officio
Mike Ressler	NASA-JPL	MIRI observer
Ken Sembach	STScI, Director	Ex officio
Eric Smith	NASA, JWST Program Scientist	NASA, ex officio



First Science from JWST

A black rectangular banner with white and orange text and graphics. On the left is the STScI logo (a blue circle with a white telescope icon) and the text 'STScI SPACE TELESCOPE SCIENCE INSTITUTE'. To the right of the logo is the text 'a conference at STScI' and 'Baltimore, MD, USA'. Below that is '12 -14 December 2022'. In the center is the text 'First Science with JWST' in large white font. To the right is a 3D graphic of the Webb Space Telescope's primary mirror segments, colored orange and yellow. To the right of the mirror is the text 'WEBB SPACE TELESCOPE' in white and orange. At the bottom center is the text 'Save the Date' in white, underlined.

First Science with JWST
a conference at STScI
Baltimore, MD, USA
12 -14 December 2022

STScI SPACE TELESCOPE SCIENCE INSTITUTE

WEBB
SPACE TELESCOPE

Save the Date

The conference will focus on contributed presentations and posters, with a limited number of invited talks.



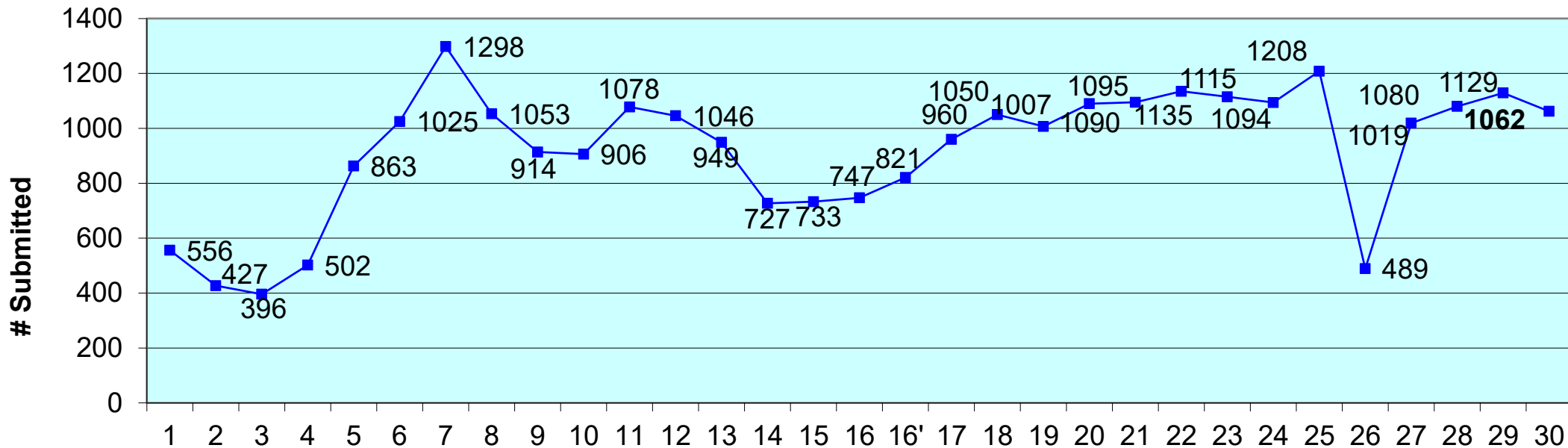
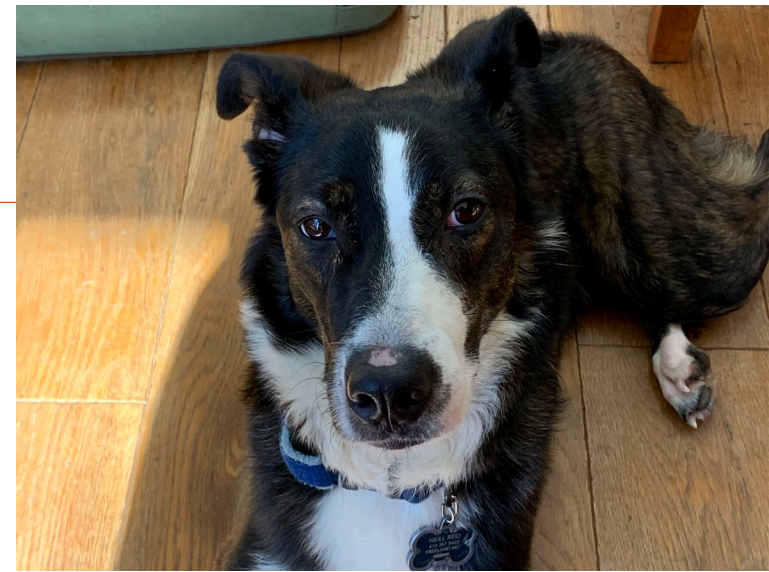
HST



HST Cycle 30

Proposal deadline: March 25, 2022

- 1062 total proposals – 880 GO, 41 SNAPs, 141 AR
- TAC met June 1-3, 6-9
- Results will be released in next ~2 weeks





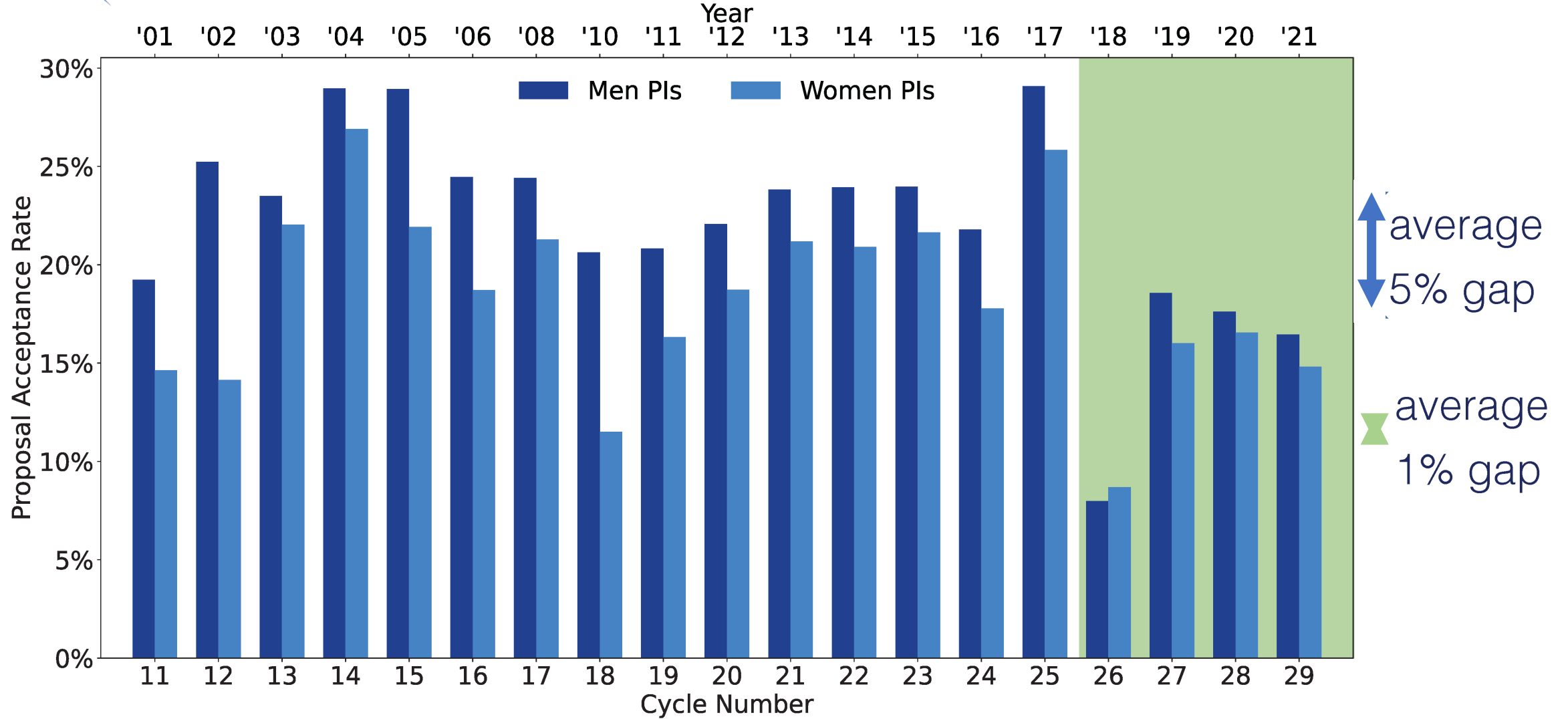
Cycle 30 & 31 schedules

Schedules have been adjusted to accommodate JWST Cycle 2

- Cycle 30 extended by 2 months, through December 1 2023
- Cycle 31 will be reduced to 10 months
 - Proposal deadline in late May 2023
 - TAC will meet in August 2023
- Current plans are for Cycle 32 to return to the “standard” schedule
 - Proposal deadline in late March 2024
 - TAC will meet in June 2024
- ULLYSES DD program is nearing completion
 - AAS Special Special, 2:00 pm today in Conference Room 204

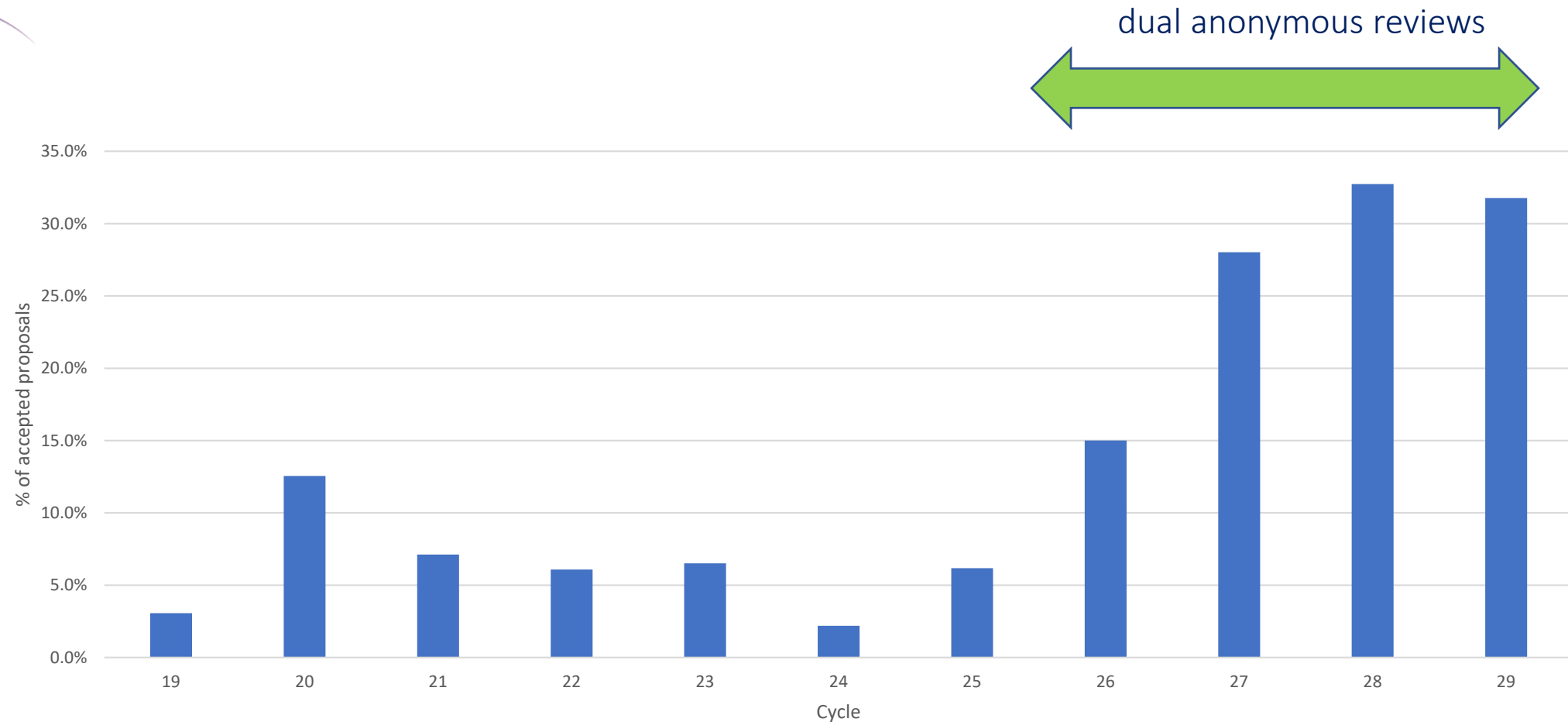


Dual anonymous & gender success rates





First-time PIs



First-time PI fraction has increased significantly with the implementation of dual anonymous reviews

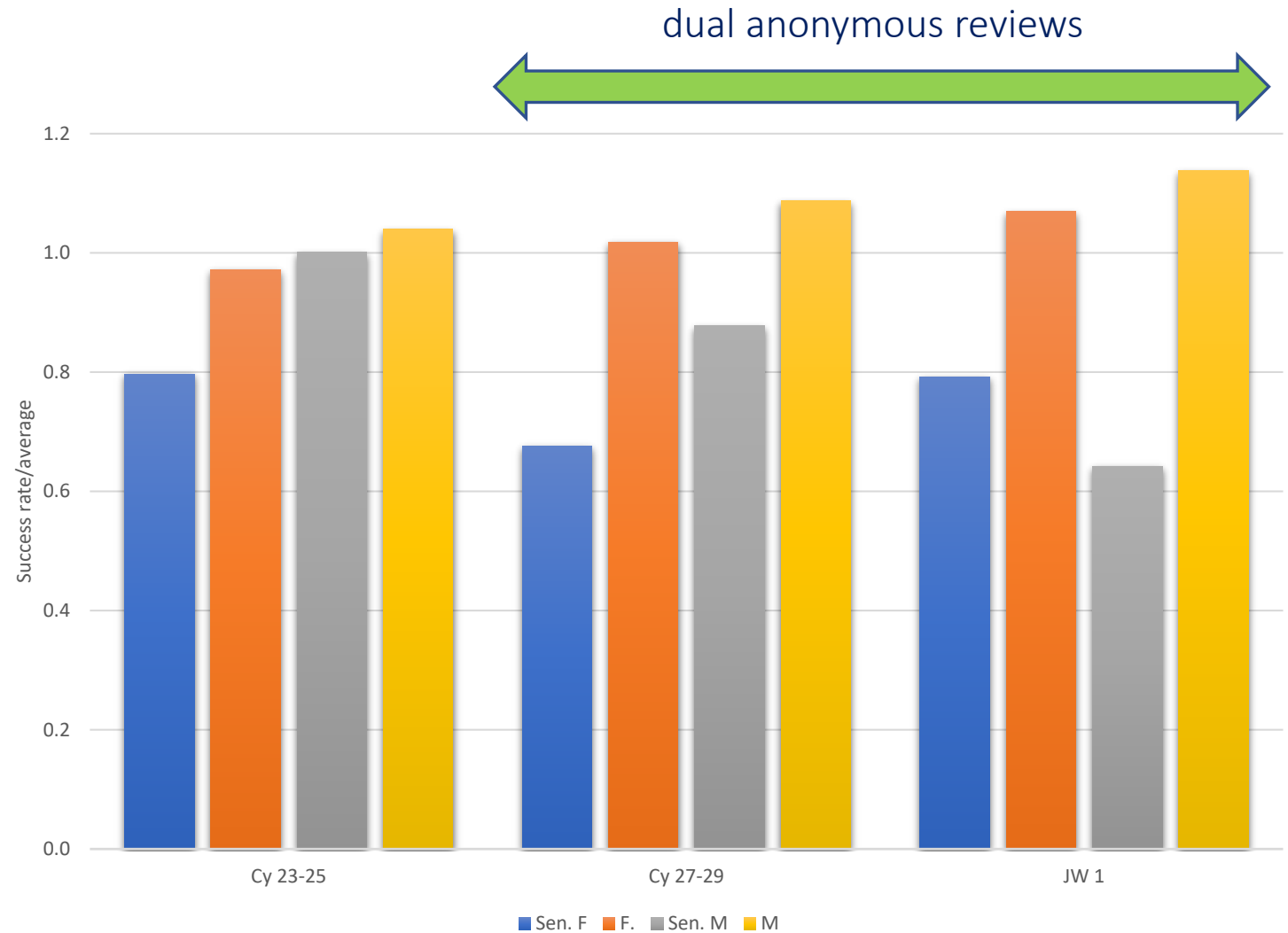


Proposal success rate with seniority

Success rates of proposals led by

- Female PIs, Phd pre-2000
- Female PIs, Phd 2000+
- Female PIs, Phd pre-2000
- Female PIs, Phd 2000+
- Normalised against the average success rate

The fraction of successful proposals led by more senior male and female PIs has decreased with the move to dual anonymous.





HST User Committee

The Space Telescope User Committee is charged with providing the HST Project at Goddard Space Flight Center and Space Telescope Science Institute with advice on all aspects of observatory operation. The STUC includes community members from the USA and ESA countries.

STUC membership is listed here

<https://www.stsci.edu/hst/about/space-telescope-users-committee>

Community members can contact the chair directly from this web-page

- New members can be nominated (including self-nominations) by email to stuc-nominations@stsci.edu

All presentations from STUC meetings are available on-line. The STUC just met (May 19 & 20) and the next meeting will be scheduled for October 2022.



STUC membership

Name	Institution	Name	Institution
Jamie A. Kennea (Chair)	<i>NASA Neil Gehrels Swift Observatory The Pennsylvania State University</i>	Preethi Nair	<i>The University of Alabama</i>
Jennifer Andrews	<i>NOIRLab – Gemini North</i>	Ian Roederer	<i>University of Michigan</i>
Beth Biller (ESA)	<i>Royal Observatory, Edinburgh</i>	Kate Rubin	<i>San Diego State University</i>
Denija Crnojevic	<i>University of Tampa</i>	Eva Villaver (ESA)	<i>Department of Astrophysics Center for Astrobiology (CSIC-INTA), ESA-ESAC</i>
Jeyhan Kataltepe	<i>Rochester Institute of Technology</i>	Hannah Wakeford	<i>University of Bristol</i>
Caroline Morley	<i>University of Texas at Austin</i>	Michael Wong	<i>University of California at Berkeley</i>

A deep blue and purple nebula with wispy, ethereal clouds of gas and dust. The background is a dark, star-filled sky with numerous bright, multi-pointed stars. The word "Roman" is centered in a clean, white, sans-serif font. A thin, horizontal orange line runs across the middle of the image, just below the text.

Roman



Structure & status

Roman Space Telescope has passed CDR with launch date no later than May 2027

Distributed ground architecture

- Project Science Office at GSFC
- Science Operating Center at STScI
 - Scheduling
 - Wide-Field Instrument data processing for imaging
 - Data Archive
- Science Support Center at IPAC
 - General Investigator program
 - WFI data processing for spectroscopy
 - Data processing for coronagraphy
 - High-level processing pipeline for microlensing

There will be several opportunities in the near future for community involvement

See Thursday's lunch-time Roman Space Telescope town hall for more details



Research & Support Participation Opportunities

Call issued as part of ROSES 2022 – draft currently available

Calls for proposals for

- Wide Field Science (WFS) teams
 - Related to any topic that can be addressed by WFI observations
 - Investigations of 2-4 year duration
 - Anticipate at least 2 future opportunities to proposal
- Project Infrastructure Teams (PITs)
 - Sustained funding for teams to develop infrastructure to enhance community science
 - Teams will work in coordination with the SOC and SSC
 - Anticipate 5 year initial terms with potential for extensions
- Coronagraphic Community Participation Program
 - Proposers will work to help address requirements & objectives for in-space demonstration of high contrast coronagraphy
 - Initial term of three years

Roman encourages the formation of teams with broad participation reflecting the diverse user community





Defining the Core Community Surveys

Roman is a survey telescope – **surveys are inherently multi-purpose, multi-user.**

A substantial proportion of Roman's observing time over the first five years will be devoted to three Core Community Surveys

- High latitude wide area survey
- High latitude time domain survey
- Galactic Bulge time domain survey

Roman will also support GI programs (observations & archival) for general astrophysics

Each CCS reflects a foundational science theme (dark energy, extragalactic transients, microlensing), but the data are capable of much broader science investigations

- Later this year, Roman will initiate a **community consultation process**, aiming to **maximizing the scientific potential of the CCS for general astrophysics**, complementing and supplementing GI programs.
- *Watch for more details*



Summary

- JWST commissioning in progressing well
 - Call for Cycle 2 proposals will be issues in November
 - Proposal deadline January 27, 2023
- HST continues to produce high-impact science
 - Cycle 30 results will be announced soon
 - Cycle 30 has a duration of 14 months
 - Cycle 31 proposal deadline will be in May 2023
 - Cycle 31 will likely have a 10 month duration
- Roman Space Telescope is recruiting community support
 - ROSES call for Wide Field Science proposals, Project Infrastructure Teams & Coronagraphic Community Participation
 - Process to help define the key Core Community Surveys will begin later this year