

The background is a deep blue and purple space scene featuring a nebula with wispy, glowing clouds and numerous bright stars of varying sizes and colors, including some with prominent diffraction spikes. A thin, horizontal purple line is drawn across the middle of the image, positioned just above the text.

**Welcome to the HST Cycle 34 External Panelist Orientation! We will start at five minutes after the hour. At any time, if you have questions, please enter them into the chat. And please remember to mute yourself ;-)**



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Alex, please start recording!



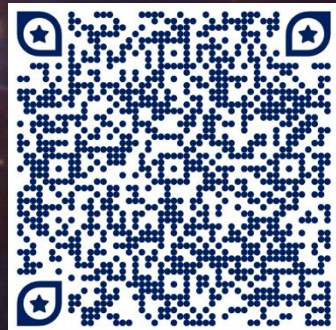
**STScI** | SPACE TELESCOPE  
SCIENCE INSTITUTE

EXPANDING THE FRONTIERS OF SPACE ASTRONOMY

# HST Cycle 34 External Panelist Orientation

<https://hst-docs.stsci.edu/hsp/hubble-space-telescope-peer-review-information>

Molly Peeples  
on behalf of the STScI Science Policy Division  
May 5, 2026





## Today's Orientation

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1. Welcome from the STScI Deputy Director, Rachel Osten
2. Telescope Allocation Committee Orientation
  - Overview
  - The Review Process
    - Includes overview on the Dual Anonymous Peer Review by Amy Jones (Science Policy Division)
  - Policy Issues
  - Personnel and Logistics
3. Hubble Observatory and Instrument performance update from Joleen Carlberg (Hubble Mission Office)



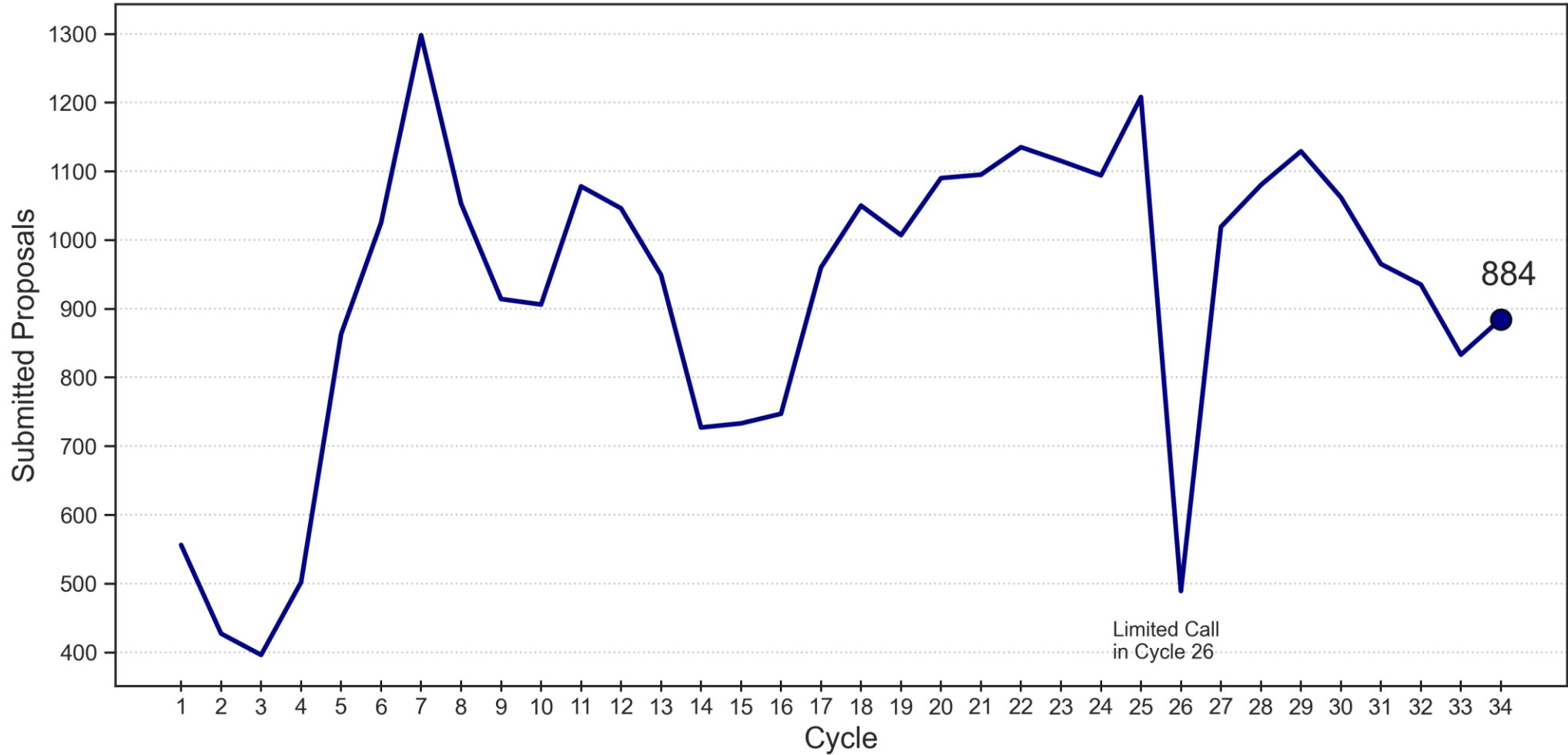
## Your participation is crucial to maximizing the science from Hubble

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- The Hubble Cycle 34 TAC review is supported by over 200 reviewers, including 94 discussion panelists, and 112 external panelists (you!).
- This is a *community* process: you have ~880 proposals to review, from 3,511 unique investigators.
- Getting your grades in on time and writing thoughtful reviews doesn't just help the STScI staff—it helps your fellow panelists and the proposers.



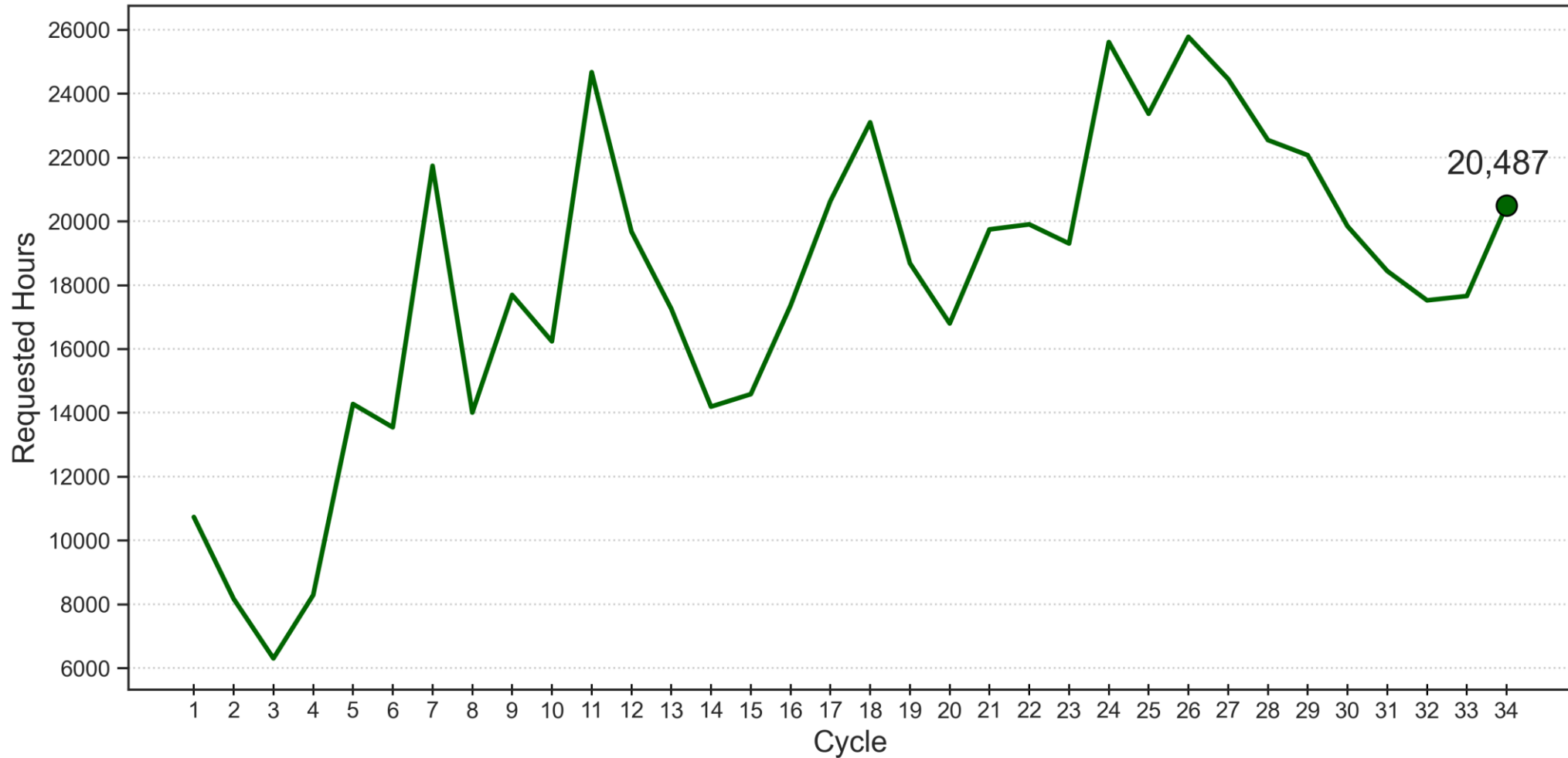
# Cycle 34 Proposal Submissions



Thirty-six years after launch, Hubble remains in high demand!



# Cycle 34 Orbit Requests



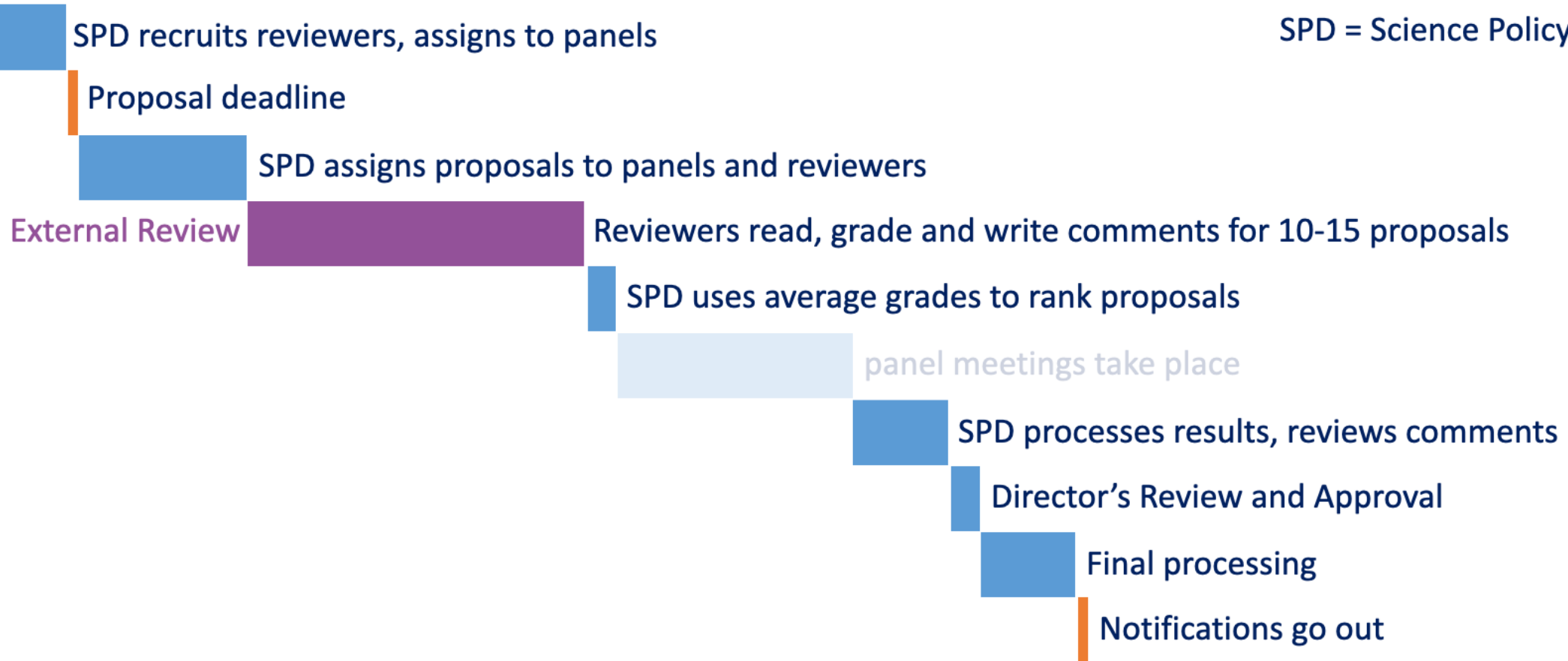
*Backup slides include more detailed submission statistics*



# Overview of the Review Process

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SPD = Science Policy Division

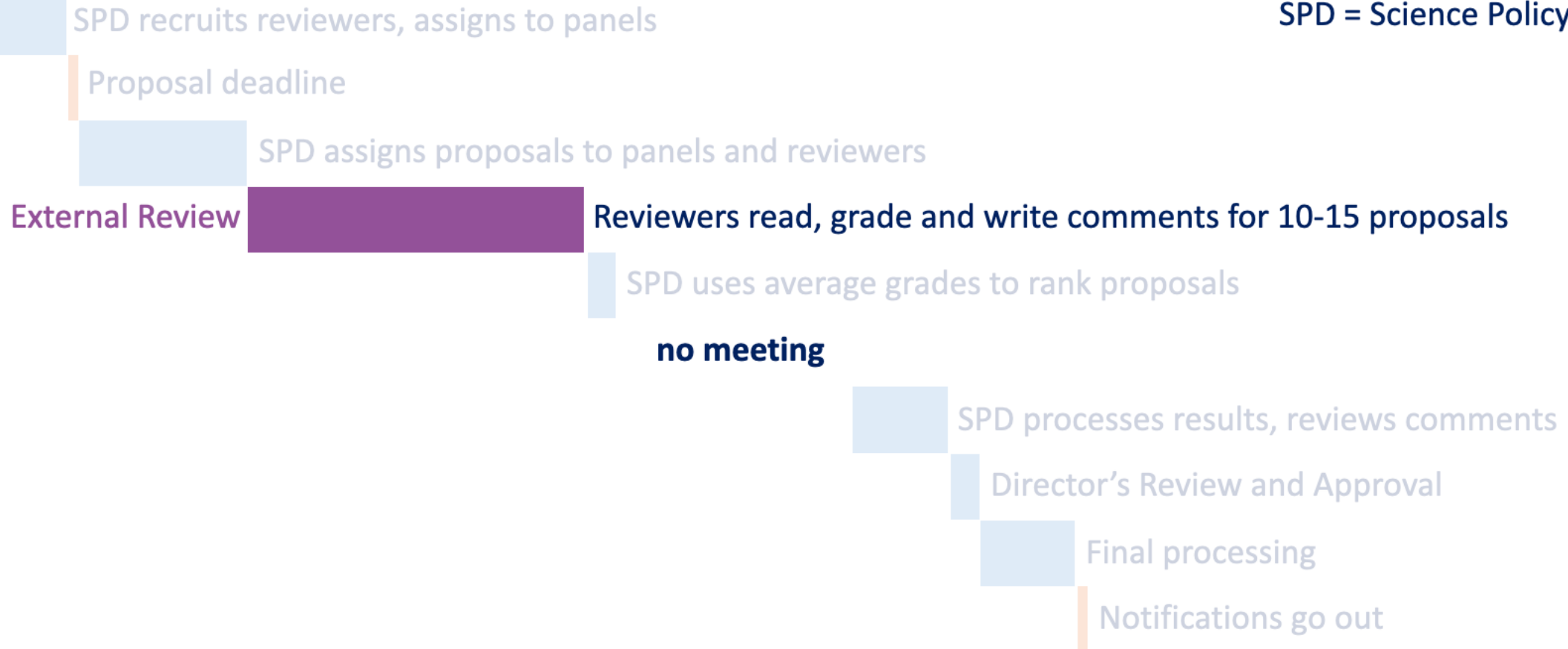




# Overview of the Review Process

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SPD = Science Policy Division





## Cycle 34 Proposal Review Schedule

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Date	Milestone
Thursday, April 16, 2026	Cycle 34 Proposal Deadline
Friday, May 1, 2026	STScI releases proposals to panelists for review
Tuesday, May 5, 2026	Orientation meeting for External panelists
Friday, May 8, 2026	Deadline to <b><u>check for and report</u></b> additional conflicts of interest
Friday, May 29, 2026	Deadline for External Panelists to submit grades and written comments for all their assigned proposals
Monday - Thursday, June 22 – 25, 2026	Virtual Discussion panels meet
Monday - Wednesday June 29 – July 1, 2026	Executive Committee meets (virtually)
Mid-late July 2026	STScI releases the Cycle 34 Science Program



# Overview

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## Main Takeaways from this orientation

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- 1. Plan for the **grading and comments deadline**:** read, grade, and write comments for all proposals assigned to you by **Friday, May 29**.
  - Take notes as you go along.
- 2. Your first point of contact is **your Panel Support Scientist (PSS)**:** *any* questions, concerns, or personal emergencies that may affect your participation go to them first.
- 3. **Bring concerns up as soon as you have them**:** the sooner you let us know about any potential issues with a proposal (such as but not limited to anonymity concerns), the better it is for you, us, and your fellow panelists. Email your PSS instead of bringing it up later!
- 4. **Report any potential new conflicts soon**:** please try to familiarize yourself with the proposals you have been assigned *soon* in order to catch any new conflicts (such as being on a directly competing proposal).



## Useful Definitions

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- **Discussion panels/panelists:** eight panels meeting virtually, and discussing, grading, ranking, and providing written feedback on proposals in their respective science categories.
- **External panels/panelists:** four panels (only Exoplanets, Galaxies, Stellar Physics, and Stellar Populations) grading and providing written feedback on a subset of Very Small, archival, and snapshot proposals. Their grades are used by STScI to generate a rank-ordered list of proposals in each science category.
- **Executive Committee:** the panel discussing, grading, ranking, and providing written feedback on the largest proposals, composed of the TAC Chair, Panel Chairs and Vice-Chairs, and At-Large Members.
- **Telescope Allocation Committee (TAC):** the body of all members of the Executive Committee and the Virtual and External panels.

## Telescope Allocation Committee (TAC) Organization

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- **Overall TAC Chair:** Céline Péroux (European Southern Observatory - Germany)
- Since Cycle 28, we have followed a **hybrid approach**, with each of **8 scientific categories** having a corresponding topical panel **divided into external panels and virtual discussion panels**. In addition to reviewing proposals, the discussion panels advise the Panel Chair and Vice-Chair on Large, Treasury, Pure Parallel and large Snapshot proposals for review by the Executive Committee.
- The **Executive Committee**, led by the TAC Chair, is comprised of the At-Large members (none this cycle), the Panel Chairs (8), and the Panel Vice-Chairs (7). The Executive Committee reviews the Large, Treasury, Pure Parallel, and large Snapshot programs and reviews the overall programmatic balance.



## Virtual versus External Panels

Hybrid approach: dividing proposals between external review and virtual discussion.

External panels provide the assessment and grading of Very Small GO proposals (1 – 15 orbits) including Snapshot (SNAP) and Archival (AR) proposals.

- These proposals are ranked by STScI using the grades of the external panelists.

Discussion panels review the remaining Small GO and Medium proposals. After the initial triage, panelists interact virtually by video-conference to finalize their rankings.

- These proposals are ranked after the discussion and re-grading in the group panels.

Exceptions – all Small/Medium Target of Opportunity (ToO) proposals will be reviewed by the Discussion panels. Due to proposal load, Solar System, CGM-IGM, SMBH and Transients have no External panel.

**You are an External panelist.**



## Panels and Associated Science Categories

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Topical panels have these science categories:

- **Solar System:** all bodies in our solar system (*discussion panel only*)
- **Exoplanets and Planet Formation:** exoplanets, planet formation, debris disks
- **Stellar Physics:** cool + hot stars, late stages, low-mass stars, star formation, supernovae
- **Transients:** all Target of Opportunity (ToO) proposals related to Galactic or Extragalactic high-energy transient phenomena (follow-up of classical novae, supernovae, kilo-novae, tidal disruption events, GRBs, FRBs, etc.) (*discussion panel only*)
- **Stellar Populations and Interstellar Medium:** resolved stellar populations in galaxies, Milky Way structure, star clusters, ISM in Local Group galaxies
- **Galaxies:** stellar content of galaxies, ISM in other galaxies, galaxy clusters, surveys, deep fields, lensing, galaxy evolution
- **Circum- and Intergalactic Medium:** CGM, IGM, galaxy outflows, galaxy halos, IGM, quasar absorption lines (*discussion panel only*)
- **Supermassive Black Holes and Active Galaxies:** AGN, quasars, SMBH, jets, galaxy/BH co-evolution (*discussion panel only*)



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## Panels and Associated Science Categories

Topical panels have these science categories:

- Solar System: all bodies in our solar system (discovery panel only)
- Exoplanets and Planet Formation
- Stellar Physics: cool stars, hot stars, star clusters, star formation
- Transits

Note, especially for returning panelists:

**“Large Scale Structure” no longer exists as a separate panel, but all of the relevant subject matter (cosmology, distance ladder, deep fields, galaxy clusters, gravitational lensing, etc.) has been dispersed to other panels!**

So don't be surprised if you see some of these subjects covered in your panel.

Galaxies and Active Galaxies: AGN, quasars, SMBH, jets, galaxy/BH co-evolution (discovery panel only)



## Types of Proposals

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- **Regular General Observer (GO)**: Regular observing proposals.
- **Snapshot (SNAP)**: Observing proposals of relatively short, easy to schedule observations. Usually SNAPs request a list of targets, of which only  $\sim 1/3$  can be expected to be observed; proposal should explain how success will be achieved with a subset of proposed targets observed. Target list likely to be “generic”. Used to increase the observing efficiency of the observatory.
- **Archival (AR)**: Archival research proposals; US PI’s and co-I’s can request funding. Data-based AR proposals must be primarily based on Hubble data. Archival proposals are externally reviewed, except Solar System and CGM-IGM ARs, which are in the virtual panels.
  - **Theory proposals**: results should enhance the value of HST observational programs through their broad interpretation (in the context of new models or theories) or by refining the knowledge needed to interpret specific observational results.

More info: <https://hst-docs.stsci.edu/display/HSP/HST+Proposal+Categories>



# Types of Proposals

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More info: <https://hst-docs.stsci.edu/display/HSP/HST+Proposal+Categories>

Hubble Space Telescope

Cycle 34 **SNAP Proposal**

**PID**

A nice title here

Scientific Category:

Category

Scientific Keywords:

Keywords

Instruments:

Instruments

Exclusive Access Period: 6 months

**Number of targets: 62**



## Special Categories of Proposals

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- **Joint Proposals:** programs in which HST science is the prime science, but multi-wavelength observations from another ancillary observatory (JWST, Chandra, XMM-Newton, TESS, NOIRLab, NRAO) are critical for the science goals of the proposal.
- **Calibration Proposals:** not linked explicitly to a specific science program; provide a calibration or calibration software that can be used by the community for existing or future programs. Can be GO or Archival.
- **Future Cycle:** Proposals requesting time for both this cycle and in the future (up through Cycle 36, or Cycle 38 under the LTM initiative). These future observations will still require resources to execute and analyze, and thus must be fully justified scientifically.
- **Archival Cloud Computing:** Proposals requesting funding to use Amazon Web Services (AWS) for data analysis, as all non-exclusive access data for current Hubble instruments (ACS, COS, STIS, WFC3, FGS) are now available via AWS.
- **Archival Data Science Software:** Proposals requesting financial support for the development of software products that will be made available to the community for the purposes of analyzing HST data.

More at: <https://hst-docs.stsci.edu/display/HSP/HST+Proposal+Categories>



## Special Categories of Proposals

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- **GO-Archival Proposals:** GO programs that include a **significant** archival component. Low levels of archival work are not required to set this flag. Some of these proposals *may* provide an analysis plan for the archival work, but those were *not* required.
- This flag was new in Cycle 31, but implementation may still be inconsistent. In particular, you may see very different levels of archival work in programs with this flag set.
- It is helpful if you can flag any concerns with these programs so we can improve our documentation for the future!



## Special Categories of Observations

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- **Parallel Observations:** Since Hubble’s instruments are located at different positions in the focal plane, it is possible to observe simultaneously with one or more instruments in addition to the primary instrument. While these observations do not count toward a panel’s orbit allocation, **they do require resources** for both STScI support, and US investigators can request funding for their analysis. Thus any **parallel observations must be well-justified and approved by the TAC.**
  - “Coordinated Parallel”: Parallel observations part of the same program as the primary observations; may have different science goals. Must be fully described and justified scientifically; can be rejected even if the primary observations are approved.
  - “Pure Parallel”: Proposed independently of the primary observations. Reviewed by the Executive Committee regardless of size.

More at: <https://hst-docs.stsci.edu/display/HSP/HST+Observation+Types>



## Special Initiatives

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<https://hst-docs.stsci.edu/hsp/hubble-space-telescope-call-for-proposals-for-cycle-34/hst-special-initiatives>

- In all cases: no extra time available and no additional weight is given in grading. Proposals must meet the usual requirement of high scientific quality set for all successful HST proposals.
- The **UV Initiative** highlights programs that use the UV capabilities of Hubble.
- **New this Cycle: Hubble-Roman Science (HRS) Initiative**
  - Nancy Grace Roman Space Telescope (Roman): launch by May 2027, first Call for Proposals was due in March 2026.
  - The HRS Initiative is designed to **encourage observations with Hubble that complement and enhance the scientific impact of Roman observations** or are essential to achieving critical science goals of future Roman programs. **HRS data will have no Exclusive Access Period (EAP).**
  - Proposals must justify why the HST observations are critical to the success of the future Roman program. **You should assess the proposal based on the science expectations for the full program including both the HST and Roman observations.**



## Special Initiatives

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- **Long-Term Monitoring (LTM) Initiative**
  - Highlights HST's longevity, its importance for time-domain astronomy, and the importance of long-time baseline science. Encourages proposals that:
    - ✓ Provide **time-series observations** of astrometric, photometric and/or spectroscopic variations.
    - ✓ Capitalize on past HST or JWST observations by providing **late-epoch observations** that are designed to probe long-term astrometric, photometric and/or spectroscopic variations.
    - ✓ Propose **first-epoch observations** to lay the foundation for future time-domain work. **You should assess the science impact of the full program**, not just the current cycle observations.
  - Request observations across 5 cycles in Future Cycle programs — beyond the standard 3-cycles. **Assume that HST will be operating nominally for all Future Cycle programs.**



## Special Initiatives

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- **Habitable Worlds Observatory Precursor Science (HPS) Initiative**
  - The Habitable Worlds Observatory (HWO) is a large infrared/optical/ultraviolet space telescope that is being designed to search for signs of life on exoplanets along with a platform for transformational astrophysics.
  - The HPS Initiative is intended for investigations with Hubble that will support HWO science planning to inform mission architectures and trades, with the goal of reducing the cost and risk of HWO's future design and development. HPS programs are expected to generate knowledge, methods, or data that:
    - ✓ constrain astrophysical parameters critical for HWO target selection, instrument design, or observational strategies,
    - ✓ provide essential empirical inputs for science programs that HWO aims to address, or
    - ✓ develop analysis techniques and data products that can be applied or scaled to HWO observations.
  - The *Special Requirements* section should explicitly describe the link to specific HWO precursor studies, Science Case Development Documents, anticipated HWO observations, or technical trades. **HPS data will have no Exclusive Access Period (EAP), by default.**
- The strength of the connection to HWO planning and development needs will be explicitly considered during the review. Where the Hubble observations are deemed essential to achieving long-term HWO science goals, review panels will **evaluate the proposal in the context of the combined Hubble+HWO programmatic impact.**
- Proposals must still demonstrate why Hubble is required to achieve the program's science goals.



## Special Requirements

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In general, if it looks like a proposal is requesting something special (e.g., being in the “continuous viewing zone” or requiring a specific timing window), check that they list this requirement in the “Special Requirements”. Likewise, if something is specified in the Special Requirements, consider whether or not it is scientifically justified in the proposal.

**All “Special Requirements” must be mentioned in the Phase I proposal in order to be implemented, so it is up to you to verify these requirements are required scientifically.**

When in doubt, check out the Call for Proposals: <https://hst-docs.stsci.edu/hsp/hubble-space-telescope-call-for-proposals-for-cycle-34>



# The Review Process

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## General Guidelines

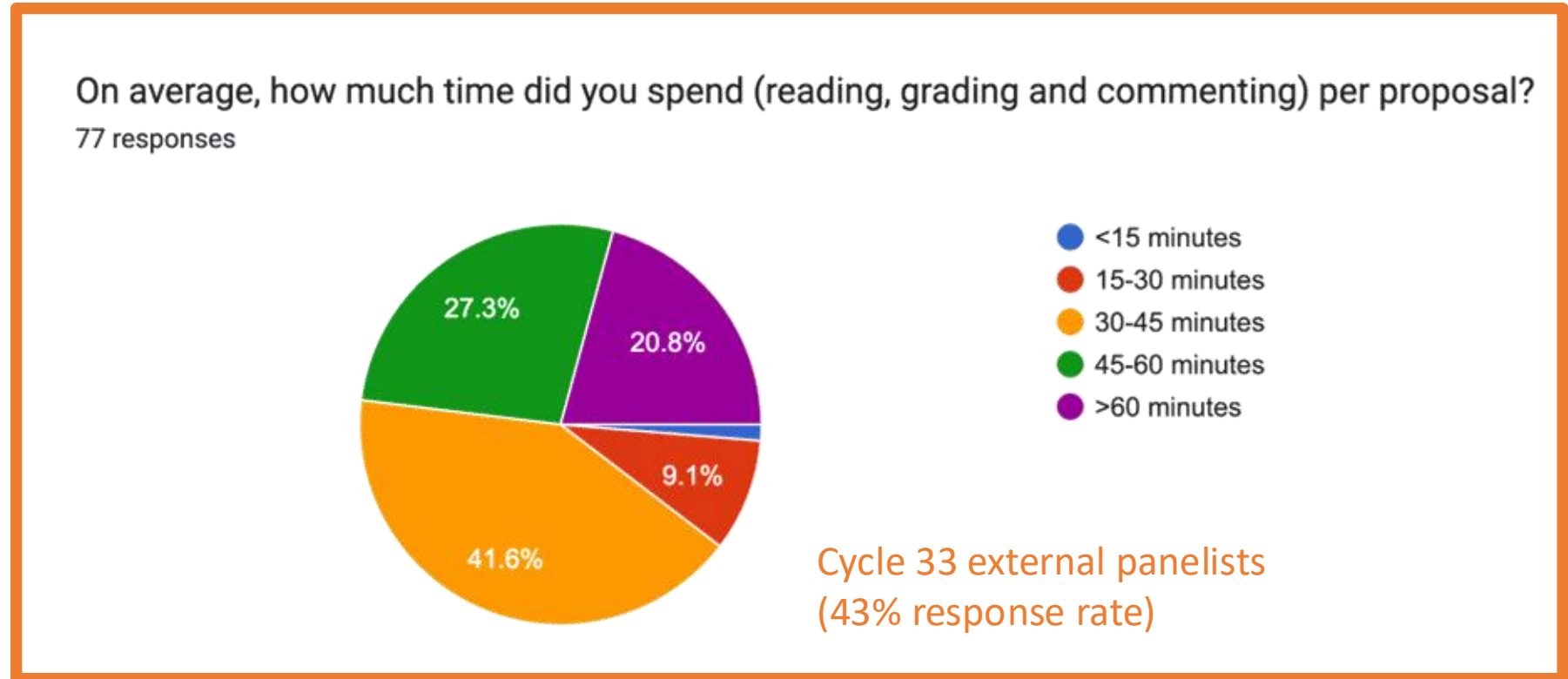
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- Access proposals at <https://spirit.stsci.edu/>. **All grades and comments will be entered through this portal.** See <https://hst-docs.stsci.edu/display/HSP/SPIRIT+WebReviewer+Tool+Guide> (and your email) for full instructions.
- **Anticipate how much time it will take to review proposals.** Including writing comments, it may take 30–45 minutes per proposal. There are more than 4 weeks between now and the deadline (**Friday, May 29, 2026**). Plan accordingly and budget your time; doing a few proposals a day is a *lot* less stressful than saving them all for the last minute—and leads to better reviews and comments for the proposers.
- You may want to **start by reading all of the abstracts** for your assigned proposals, instead of digging straight into individual proposals. This will help you get an overview of the task, and it is good for finding conflicts of interest early (e.g., competing proposals or unidentified close collaborators), which helps everyone.
- **You must grade and provide comments on all proposals to which you are assigned,** even if they are not directly within your field of expertise.



## General Guidelines

- Anticipate how much time it will take to review proposals. Including writing comments, it may take 30–45 minutes per proposal. There is less than 4 weeks between now and the deadline (**Friday, May 29, 2026**). Plan accordingly and budget your time; doing a few proposals a day is a *lot* less stressful than saving them all for the last minute—and leads to better reviews and comments for the proposers.





## Selection of Proposals Reviewed by External Panels

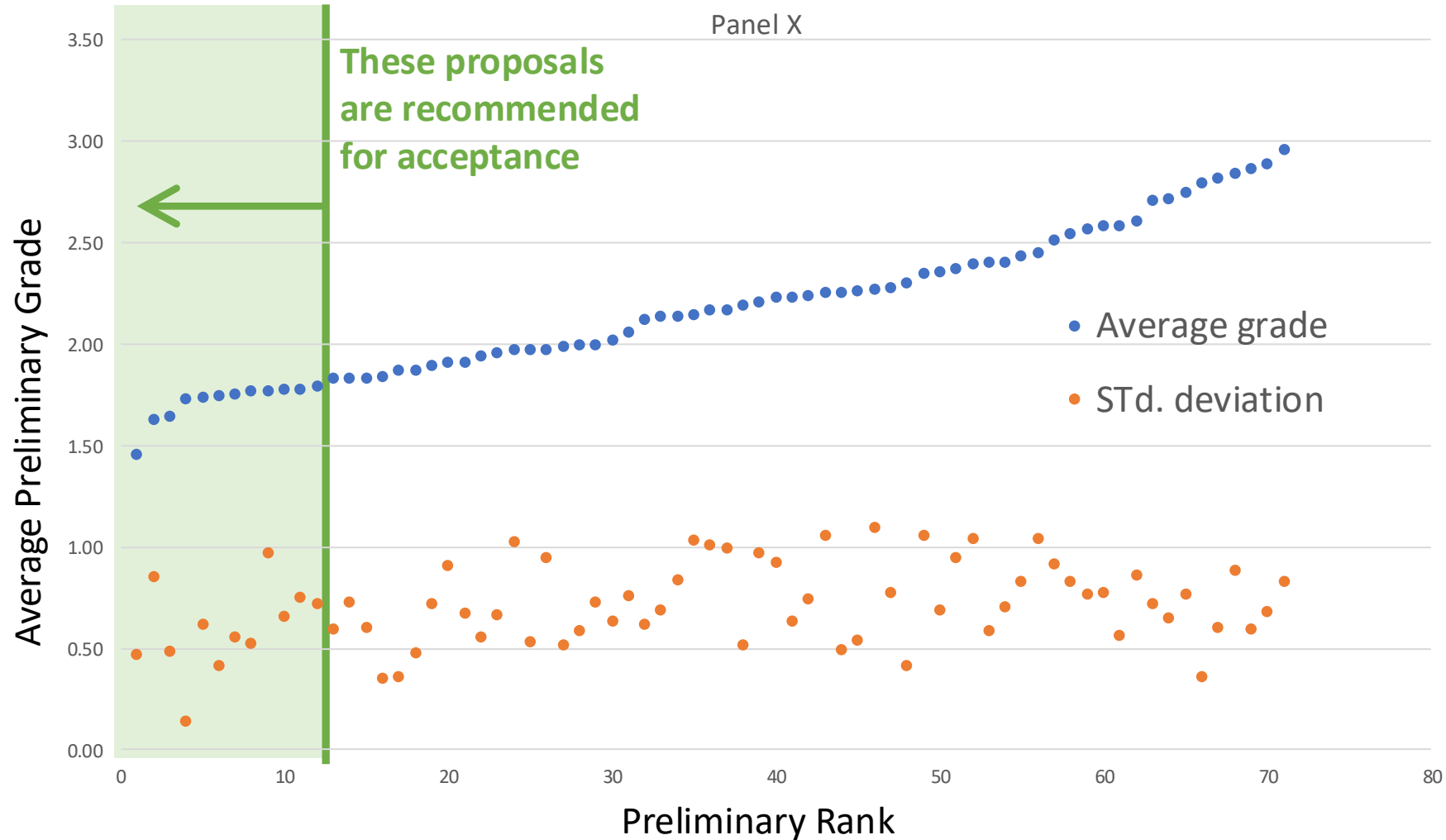
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- External panels grade and review proposals between now and Friday, May 29.
- The proposals are categorized by science topic and sent to four panels which host external panelists who are experts on this topic.
  - Reviewers grade on an absolute system (1=excellent → 5=poor)
  - Grades are collected, averaged, and ranked list compiled for that topic
  - Orbit allocation is done by topic, based on orbit pressure
- Comments from each reviewer for externally reviewed proposals are returned to the proposers **verbatim**
- **ALL proposals—GO, Snapshot, and Archival—should be graded using the same scale.**
- The highest ranked proposals are marked as recommended for acceptance
  - “Recommended” proposals are made available to the Chairs and Vice Chairs of the Discussion panels prior to the Discussion panel meetings
  - The panel chairs will use this information to monitor the programmatic balance of the recommended list of proposals reviewed by individual and group panelists.



# Selection of Proposals Reviewed by External Panels

STScI averages grades & marks highest ranked proposals as recommended for acceptance.





## Selection Criteria

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- **In-field Impact:** The scientific merit of the program and its contribution to advancement of knowledge.
  - The immediate sub-field of the proposal is the niche area of the program, not the whole broad science area of the topical panel to which it was assigned.
- **Out-of-field impact:** The program's impact for astronomy in general. Are there implications for other science areas and/or insights into larger-scale questions?
  - The proposal does not have to impact all of astronomy, but should ideally impact a number of other sub-fields or provide significant impacts in at least one other sub-field.
- **Suitability & Feasibility:** The necessity for HST observations or relevance to HST science. The feasibility of the science program. For observing programs, this means a demonstration that the unique capabilities of HST are required to achieve the science goals; how much of a scientific advantage does HST data offer over other facilities? Consider how well any special requirements have been justified.

The evaluation should be based on what is written in the proposal, not on the reviewer's broader knowledge.

Reviewers must ensure that the comments address some or all of these primary criteria.

<https://hst-docs.stsci.edu/hsp/hubble-space-telescope-peer-review-information/reviews-grades-comments/selection-criteria-and-scoring-system>



## We use a “Stellar Magnitude” Scoring System: 1 is BEST

Grade	In-field impact	Out-of-field impact	Suitability & Feasibility
1	Potential for transformative results	Transformative implications for one or more other sub-fields	Science goals can only be achieved with HST
2	Potential for major advancement	Major implications for one or more other sub-fields	Major advantages in using HST over other facilities
3	Potential for moderate advancement	Some implications for one or more other sub-fields	Some advantages in using HST over other facilities
4	Potential for minor advancement	Minor impacts on other sub-fields	Minor advantages in using HST over other facilities
5	Limited potential for advancing the field	Little or no impact for other sub-fields	HST offers little or no advantage over other facilities or the advantages of using HST are unclear.

Longer descriptions, more details, and examples at:

<https://hst-docs.stsci.edu/hsp/hubble-space-telescope-peer-review-information/reviews-grades-comments/selection-criteria-and-scoring-system>



## Proposal Comments

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- Comments are required for all proposals.
- **The deadline for you to enter ALL of your comments is Friday, May 29, 2026.**
- Don't make up reasons for rejection – if a proposal was good, but not great, then say so.
- Have your comments reflect your grades: you will not know whether or not a proposal is recommended for acceptance.
- **All comments go back to the proposers verbatim**, e.g.,

### *Strengths:*

Reviewer #1: The proposed observations will revolutionize our understanding of space krakens.

Reviewer #2: Only Hubble can get UV observations of space krakens, and the proposal makes a strong case for why the UV is important for determining how long space krakens live.

### *Weaknesses:*

Reviewer #1: It is not clear from this proposal what implications the proposed data and analyses will have for other classes of space creatures.

Reviewer #2: The target signal-to-noise of ten zillion is not well justified in the proposal.



# Proposal Comments: Practical Instructions

4567 Review Comments

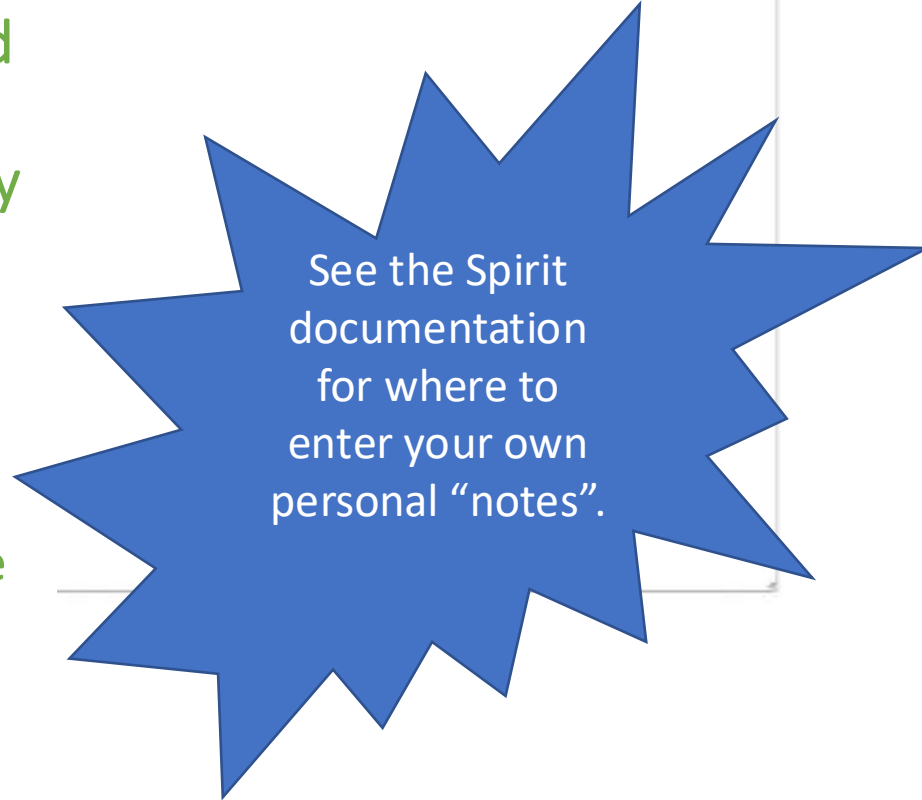
Save Review Review Completed

- Strengths
- Weaknesses
- Resources
- Comments
- Technical Notes
- Instructions

Strengths and Weakness are Mandatory

Other categories are optional and rarely used. Most of what you think should go here can probably be listed as a "strength" or a "weakness". *Leave blank unless actively needed!*

"Technical notes" and "Instructions" are used only by STScI staff



See the Spirit documentation for where to enter your own personal "notes".

Enter review comments related to the strengths of the



## Proposal Comments: Detailed Instructions

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- Proposal feedback comments should be concise.
- Please **avoid asking questions in the comments**.
  - For example, “the proposal did not sufficiently motivate the number of requested targets” instead of “why have 6 targets instead of 5?”
- The reports should focus on the scientific content and not the reviewer: **do not reference yourself**. If it was not clear *to you*, then it was simply not clear.
  - For example, "The proposal did not sufficiently explain why these targets were chosen" instead of "It is not clear to me why these targets were chosen"
- Avoid any comments that may be perceived as derogatory.
- **Do not use any generative language AI** (e.g., ChatGPT) during any part of the review process.
- You cannot be sure at the time of writing feedback comments whether the proposal will be accepted. The **comments should be phrased in such a way that they are sensible and meaningful regardless of the final outcome**.

For more information: <https://hst-docs.stsci.edu/hsp/hubble-space-telescope-peer-review-information/reviews-grades-comments/proposal-feedback-comments>



## Proposal Comments: Detailed Instructions

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- Avoid statements that create the impression that the low ranking of a proposal is due to a minor mistake.
  - Many proposals do not have obvious weaknesses but are just less compelling than others: in such a case, acknowledge that the considered proposal is good but that it had limitations.
- Never include in the report an explicit reference to another proposal, such as the proposal ID.
- Whenever possible, make suggestions for possible improvements, but avoid giving the impression that following those suggestions guarantees that the proposal will be more successful in next cycle.
- Hubble is a shared resource, and we receive proposals from all over the world, many from non-native English speakers. The proposal should be understandable, but please take care to **judge the science in the proposal, not the quality of the language or the grammar.**

For more information: <https://hst-docs.stsci.edu/hsp/hubble-space-telescope-peer-review-information/reviews-grades-comments/proposal-feedback-comments>



# Dual Anonymous Peer Review (DAPR)

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# Policy Issues

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## Code of Conduct

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All participants in the proposal review process are expected to:

- **Be respectful** in any written or verbal communications you have as part of the review process.
- Step in to address abusive or bullying behavior.
- **Be respectful of all** regardless of differences (professional or otherwise).
- Actively help create an environment free of harassment.
- **Be polite and professional** in your written feedback comments, *especially* when providing critical comments.
- Hubble is a shared resource and we receive proposals from all over the world, many from non-native English speakers. The proposal should be understandable, but please take care to **judge the science in the proposal, not the quality of the language or the grammar.**

*Please report any violations of the code of conduct to your SPD manager or your PSS.*



## Confidentiality

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- Remember that you should not discuss the proposals you review or your evaluations – now, or in the future.
- Do not post comments to Facebook, Twitter, Instagram, TikTok, etc. regarding the content or your participation in the panel meeting.
- Individual reviews should be independent; do not consult with other panelists.
- Confidentiality carries from prior years: Do not discuss/compare prior years proposals in this review, even with panel members who also served in prior years.
- Do not use any generative language AI (e.g., ChatGPT) for assistance in writing comments; to do so would mean sharing confidential proposal information online.
- Please purge any review files from your computer after the review.
- Panelist names will be shared in the STScI Newsletter after the selections are public; only then should you feel free to update your c.v., etc.



## Dual Anonymous Review

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- In a Dual Anonymous Review, the identities of the proposal teams have been removed from the proposals prior to the preliminary review.
- During all stages of the panel review process, reviewers grade and rank proposals without knowing the identities of the proposal teams.
- Panelists should flag any proposals they identify as not compliant with the posted Dual Anonymous Review guidelines and bring them to the attention of the Science Policy Division (email your Panel Support Scientist or Science Policy Division Manager; these names are at the end of this presentation). **SPD will review and then provide guidance for how to proceed.**



## Conflict of Interest

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Our goal is informed, impartial review of each proposal

- Grading panel members should have neither direct nor indirect interest vested in the outcome of the review
- Grading panel members should also have sufficient knowledge to assess the science

Anonymizing proposal simplifies conflicts

- We only consider personal conflicts
  - Direct involvement in the proposal
  - Involvement of close collaborators/competitors/family members based on names supplied by individual panelists
- Institutional conflicts are **not** considered
- Most identified by automated checks and info provided by you
- If you strongly suspect you have a conflict with a given proposal, you are conflicted.
- **Panelists may flag additional conflicts found while reviewing a proposal**
  - **Please raise any such concerns with your PSS**



**If you have not yet identified  
your conflicts of interest, please  
do so IMMEDIATELY.**



## General Guidelines

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- Panel Members should assume that all instruments will be performing nominally in Cycle 34.
- Panel Members should *not* reject or downgrade proposals based on technical considerations without concurrence by STScI
  - STScI will perform a technical review on all accepted proposals and will work with successful PIs to make programs flight ready. If technical questions arise during the panel review, please ask your PSS to summon a relevant expert.
- Panel Members should *not* take scheduling considerations into account in grading proposals, but any scheduling constraints *must* be clearly stated *and* scientifically justified.

**Concentrate on recommending the best science... but recognize that it may not be possible to schedule all highly ranked programs**



# Personnel & Logistics

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## Other STScI Personnel

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- **Director's Office:**
  - Jennifer Lotz – Director
  - Rachel Osten – Deputy Director
  - Mercedes López-Morales – Associate Director for Science
  - Neill Reid – Multi-Mission Project Scientist
- **Science Policies Division:**
  - Laura Watkins – Science Policy Division Head
  - Claus Leitherer – Hubble Science Policy Lead
  - Molly Peeples – Cross-Mission Policy Scientist
  - Dan D'Orazio, Amy Jones – Hubble Science Policy Scientists
  - Alex Hamanowicz – TAC Technical Manager
  - Amber Armstrong, Brett Blacker – TAC Technical Support
- **Hubble Mission Office**
  - Julia Roman-Duval – HST Mission Office Head
  - Marc Rafelski – HST Mission Office Deputy Head
  - Joleen Carlberg – HST Mission Office Scientist
- **Planning and Scheduling:**
  - Bill Januszewski – Operations Planning Branch
- **Logistics:**
  - Sherita Hanna, Shemiah Smith, Victory Ramnarine, Melody Easton – Events Planning Group Staff
  - Kevin Flinn, Gary Gilbert - IT Technologist (in charge of all things A/V, Webex, etc.)



## NASA and ESA Personnel

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- **NASA:**
  - Jennifer Wiseman – Hubble Senior Project Scientist, NASA GSFC
  - Ken Carpenter – Hubble Operations Project Scientist, NASA GSFC
  - Andrew Ptak – Hubble Deputy Operations Project Scientist, NASA GSFC
  - Doris Daou – Hubble Program Scientist, NASA HQ
- **ESA:**
  - Chris Evans – Head of the ESA Office at STScI and Hubble Project Scientist for ESA, STScI
  - Paule Sonnentrucker – ESA Hubble Mission Manager, STScI



## Who to Go To for Help

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- **Questions? When in doubt, email your Panel Support Scientist (PSS)!**
- **If you notice a potential issue with a proposal (dual-anonymous violation, conflict of interest, over page limits, etc.) report it to your PSS immediately instead of waiting for the panel review!**
- Potential conflict of interest? Email your PSS.
- Problems accessing the reviewing tool, Spirit? Email your PSS.
- Questions about HST instruments and their capabilities, or technical feasibility of a proposed program? Email your PSS.
- Want to give an update on your status? Email your PSS.



## Panel Personnel

Panel	SPD Manager	Panel Support Scientist
Exoplanets	Claus Leitherer	Tri Astraatmadja (for all subject panels)
Galaxies	Daniel D’Orazio	
Stellar Physics	Daniel D’Orazio	
Stellar Populations	Amy Jones	



## After the TAC ...

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- As always, we welcome feedback on the TAC process
  - How did the grading process work?
  - Can we improve it?
  - What were the main shortcomings?
- We will send email to all Panel members with a survey requesting your views of the process. Please fill it out! Many of the process improvements this year were in a direct response to last year's survey: we value your input!! (You might like to make notes as go through to remind you.)



Thank you!

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The Hubble TAC would not be possible without your critical support and contributions!

A deep blue and black night sky filled with numerous stars of varying sizes and colors, including bright blue and white ones. A large, diffuse nebula with wispy, ethereal structures in shades of blue and purple is visible on the left side. The text "Back Up" is centered in a clean, white, sans-serif font. A thin, horizontal orange line runs across the width of the image, positioned just below the text.

Back Up



## GO Proposals Information (780 proposals for 20,487 orbits)

Type	Proposals	HST Orbits
Very Small (1-15 orbits)	354	2,747
Small (16–34 orbits)	265	6,357
Mediums (35–74 orbits)	120	6,281
Large (75+ orbits)	41	5,102
Treasury	8	1,055
Pure Parallel	0	0
ESA	207	5,453



## Archival Research Requests (74 total)

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Archival Research	# of Proposals
Regular	48
Theory	26
Cloud Computing	3
Data Science Software	6



## Joint Observatory Requests

Observatory	Proposals	Partner Time	HST Orbits
Chandra	6	444 ksec	116
JWST	44	643.5 h	1,186
NOIRLab	14	24 nights	350
NRAO	4	71 h	72
TESS	2		69
XMM	12	683 ksec	187



## Targets of Opportunity Requests

	Proposals	Activations
Ultra Disruptive	6	6
Disruptive	18	23
Non-Disruptive	21	64
Flex Day	2	20

(Some proposals are in multiple categories)



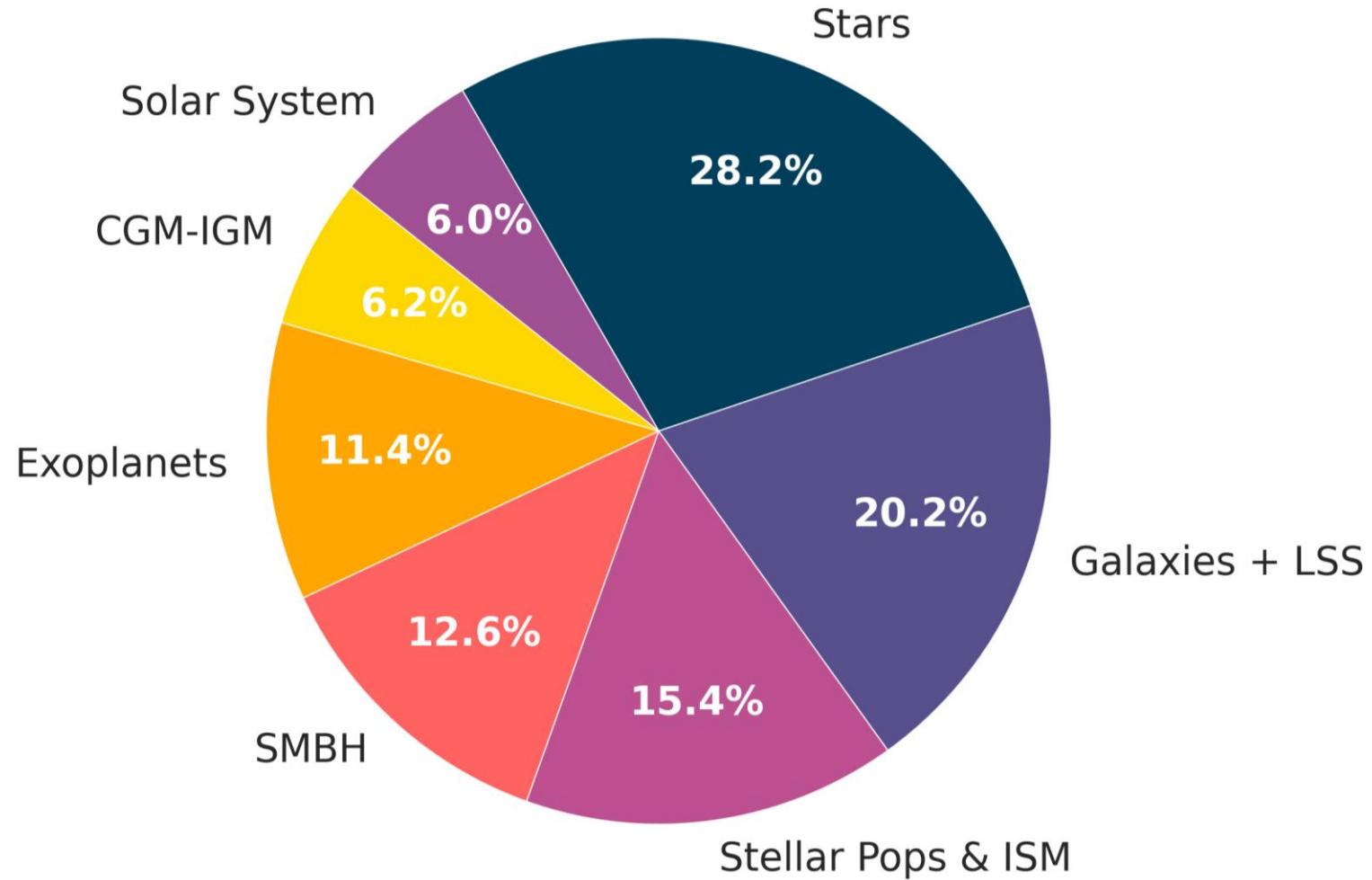
## Special Initiatives

Initiative	Proposals	HST Orbits
UV Initiative	344 GO + 25 AR	10,410
Long-Term Monitoring	18 GO	779
Cloud Computing	3 AR	-
Data Science Software	6 AR	-
Calibration	1 GO + 1 AR	25
Hubble-Roman	18 GO + 3 AR	713
HWO	3 AR + 38 GO	1,850

*Statistics provided by Aleksandra Hamanowicz*

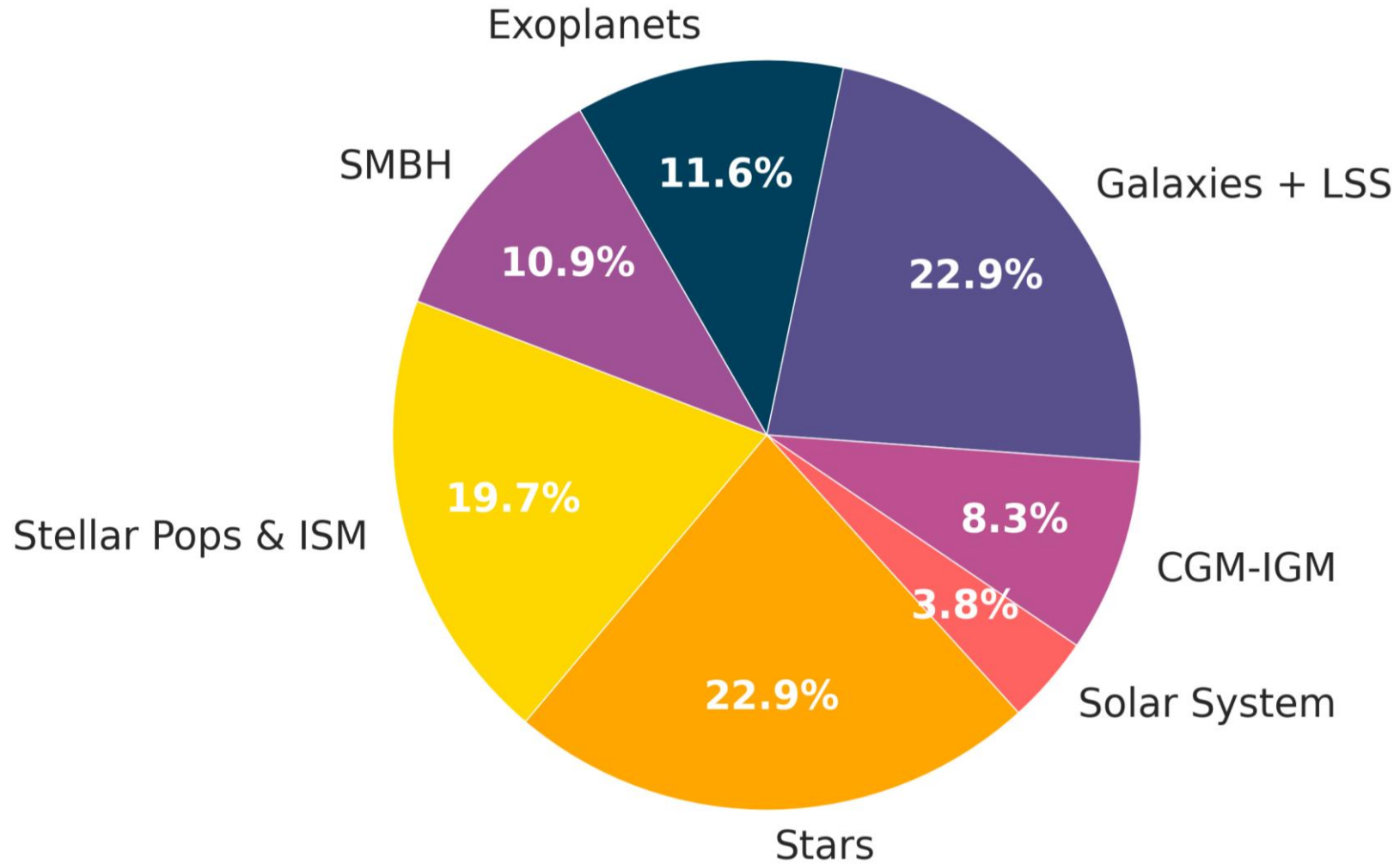


# Science Categories for Proposals





## Science Categories for Orbits





### Who qualifies as a close collaborator?

- **Active** collaborator on a current research program (including Cycle 34 HST proposals)
- **Active** co-author on 3 or more papers in last 3 years
  - i.e. more than a participant in a large project (e.g. SDSS)
- **Active** collaborator on several recent programs
  - Pre-pandemic, this was ~3 projects in last ~3 years; adjust accordingly.

Key question: would I or my personal research benefit (or would there be an *appearance* of benefit) if this proposal is accepted?

If the answer is yes, then there is a conflict



## Duplication Policy

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- To maximize observing efficiency, later-cycle GO programs may not duplicate observations in current or past GO programs; duplicate targets will be disallowed or embargoed unless justified scientifically.
- Duplications are defined as *same target or field, same instrument and mode, similar spectral range, similar exposure time.*
- ***Consult SPD staff if in doubt.***
- The PI is responsible for noting duplications. Panels should approve duplications explicitly (in comments) or observations can be disallowed.
- Same-cycle duplications: avoid duplicate targets within and between panels. No “forced collaborations” allowed.
- STScI will check accepted proposals for duplications.