



STScI | SPACE TELESCOPE
SCIENCE INSTITUTE

EXPANDING THE FRONTIERS OF SPACE ASTRONOMY

EAP Community Survey - Very Preliminary Results

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ESA Office & Science Mission Office

1 March 2023



Reminder: Current EAPs and Motivation for the Survey

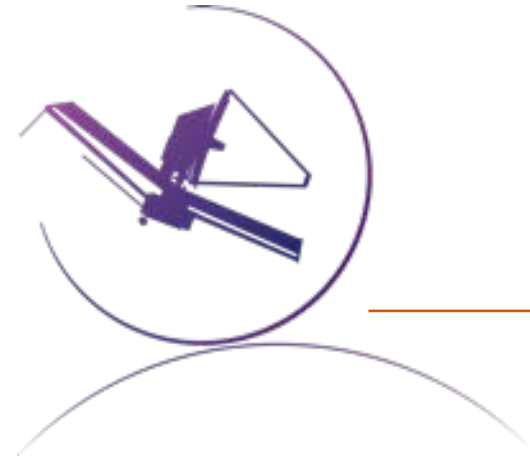
- Current status: EAPs in place for JWST and HST.
- NASA mandate applies to future missions not current missions.
- Survey requested by JSTUC and STUC to gather information from both user communities. (Lead was Molly Peeples. **Thanks also for your inputs!**)
- Survey results won't dictate policy but will help inform future discussions.
- There are lots of stakeholders (and formal agreements) — all would have to agree **IF** a change is ever proposed.
- **Path forward:** We will analyse the survey and compile a report. Then we will form a working group including JSTUC and STUC members and ask them to provide input to the STScI Director.



Survey Details

- Released: **Monday November 28, 2022**
- **Advertised broadly:**
 - >15k astronomers via STScI mailing list
 - publicised at AAS
 - circulated by NEXSci via their mailing list
 - posted on social media
- Deadline: **Wednesday February 15, 2023**
- Total Responses: **1171**

**All data analysis is
extremely preliminary!**



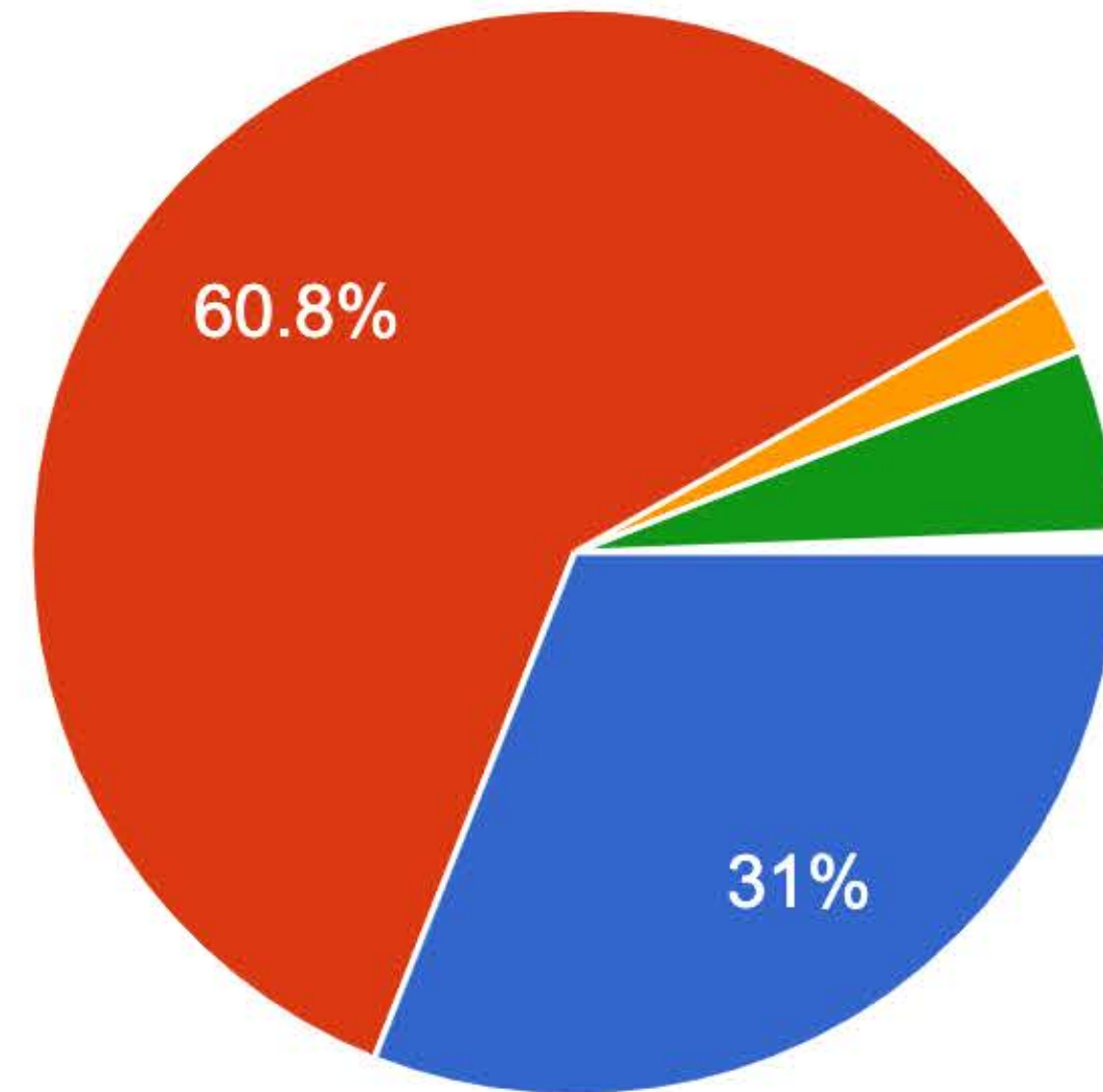
Survey Section 1: Demographics



Preliminary Demographics

What is your gender identity?

1,171 responses



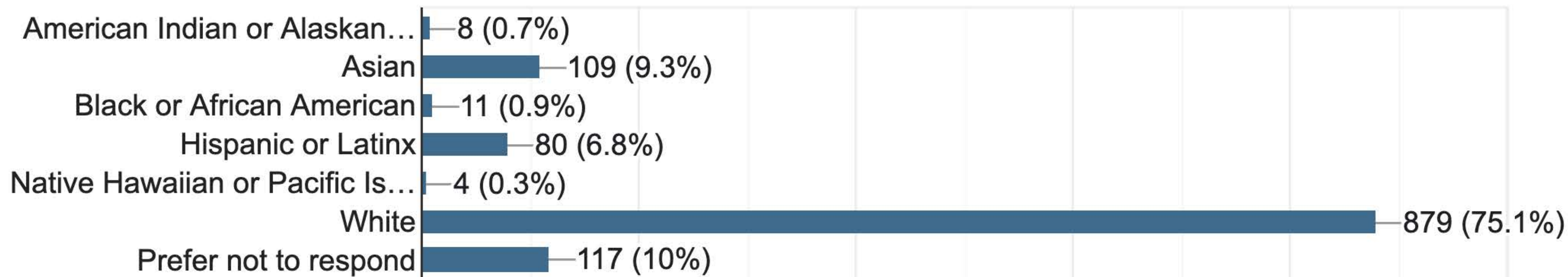
- Female
 - Male
 - Non-binary
 - Prefer not to say
 - Tonka Truck
 - Yes
 - meat popsicle
 - transgender woman
- ▲ 1/2 ▼



Preliminary Demographics

What do you identify as your race and/or ethnicity?

1,171 responses



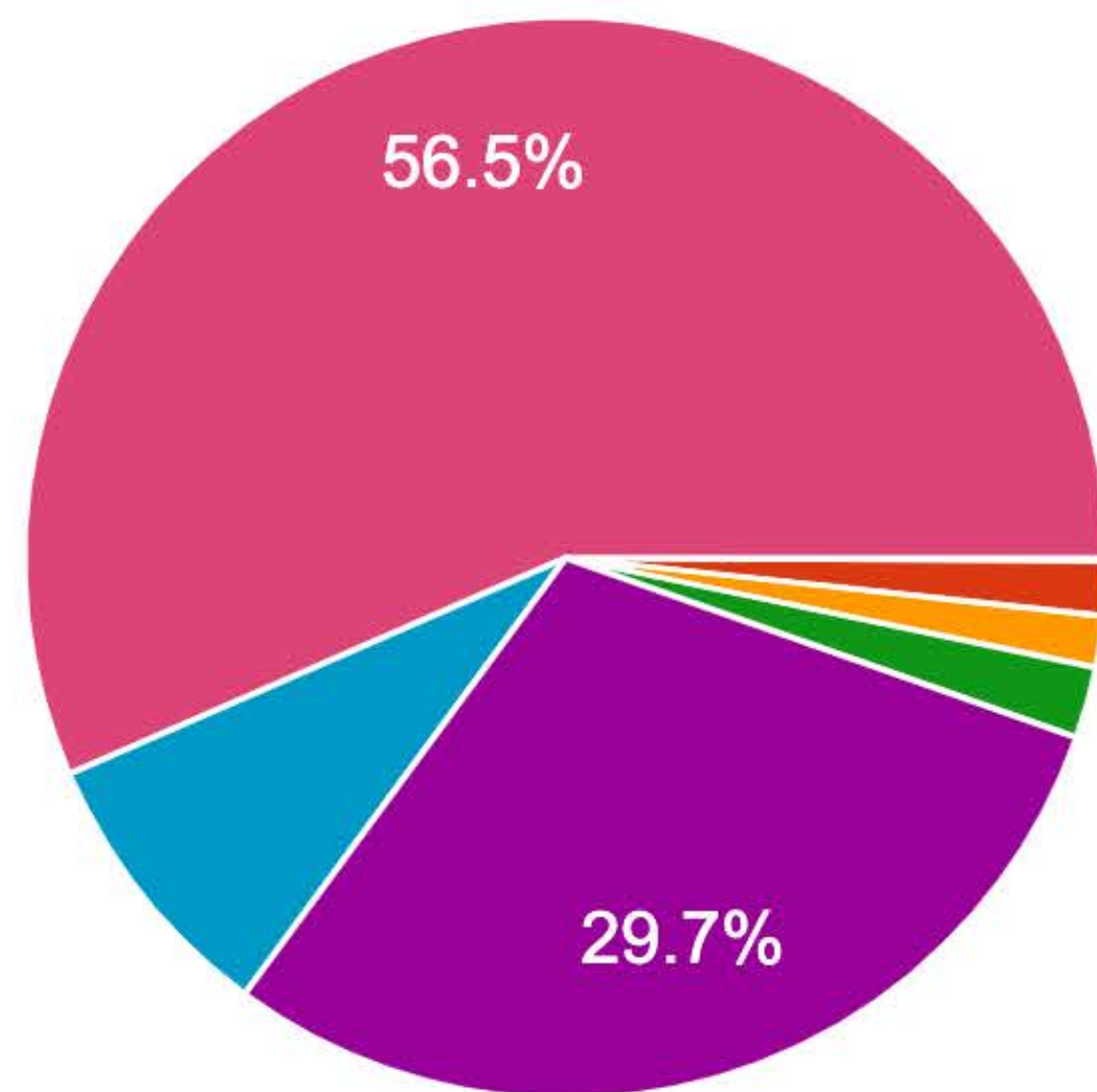
+ write-ins



Preliminary Demographics

What geographic region is your primary institution located in?

1,171 responses



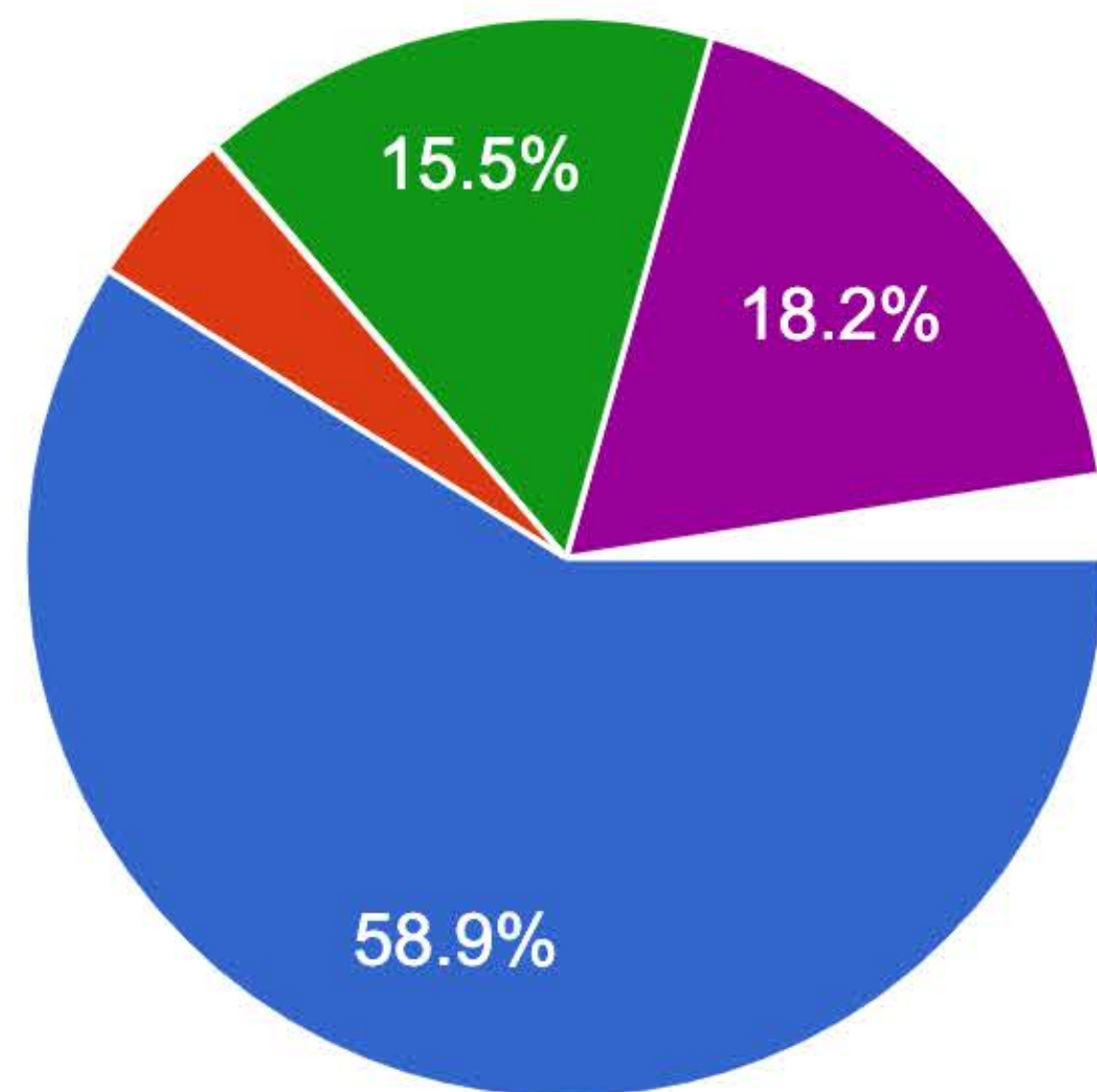
- Africa
- Asia
- Australasia
- Central or South America
- Europe
- North America, not in the United States
- United States



Preliminary Demographics

What type of institution are you primarily affiliated with?

1,171 responses



- Doctoral degree granting university
- Other four-year university or college
- Two-year college or community college
- Observatory, Laboratory, or National Facility
- Research institution
- Space Agency
- Emeritus at national facility and research institution
- museum

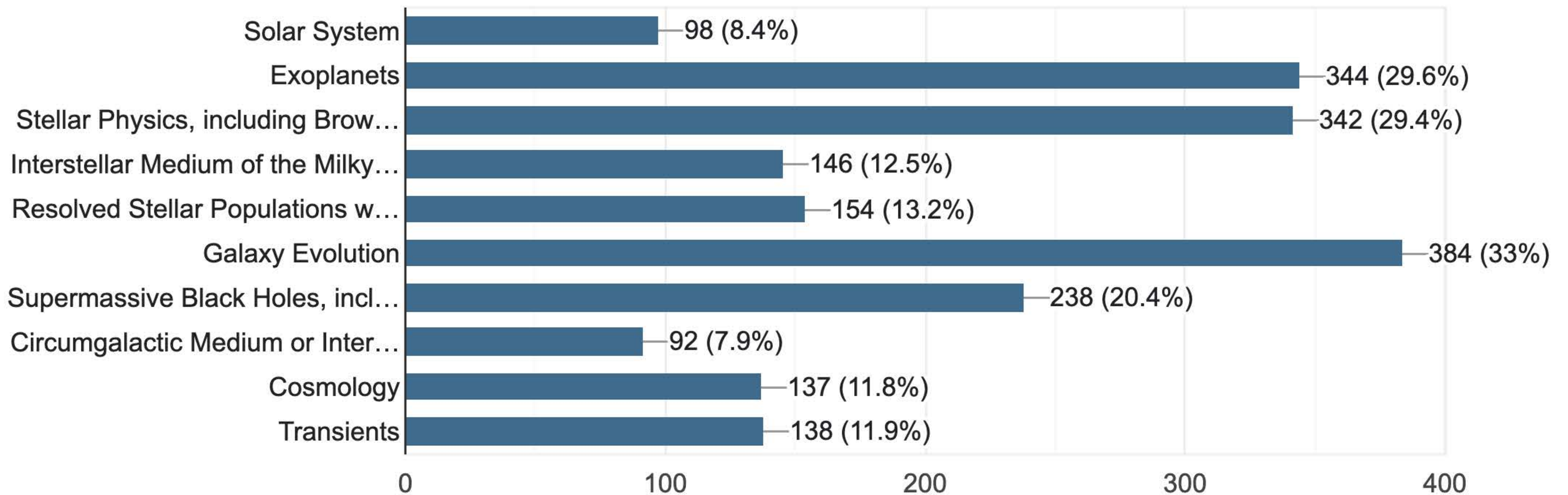
▲ 1/5 ▼



Preliminary Demographics

What sub-field(s) do you do most of your work in?

1,164 responses

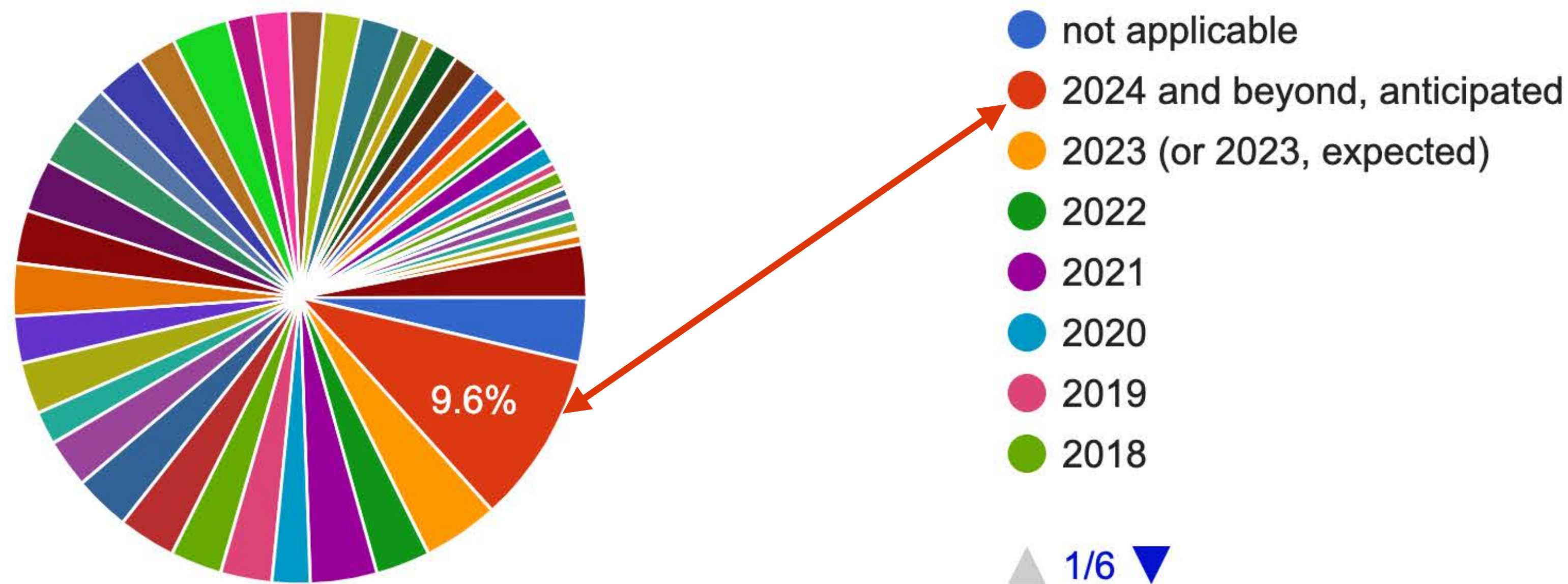




Preliminary Demographics

When did you get your PhD? (Note that "not applicable" and "not yet" are both valid options.)

1,171 responses

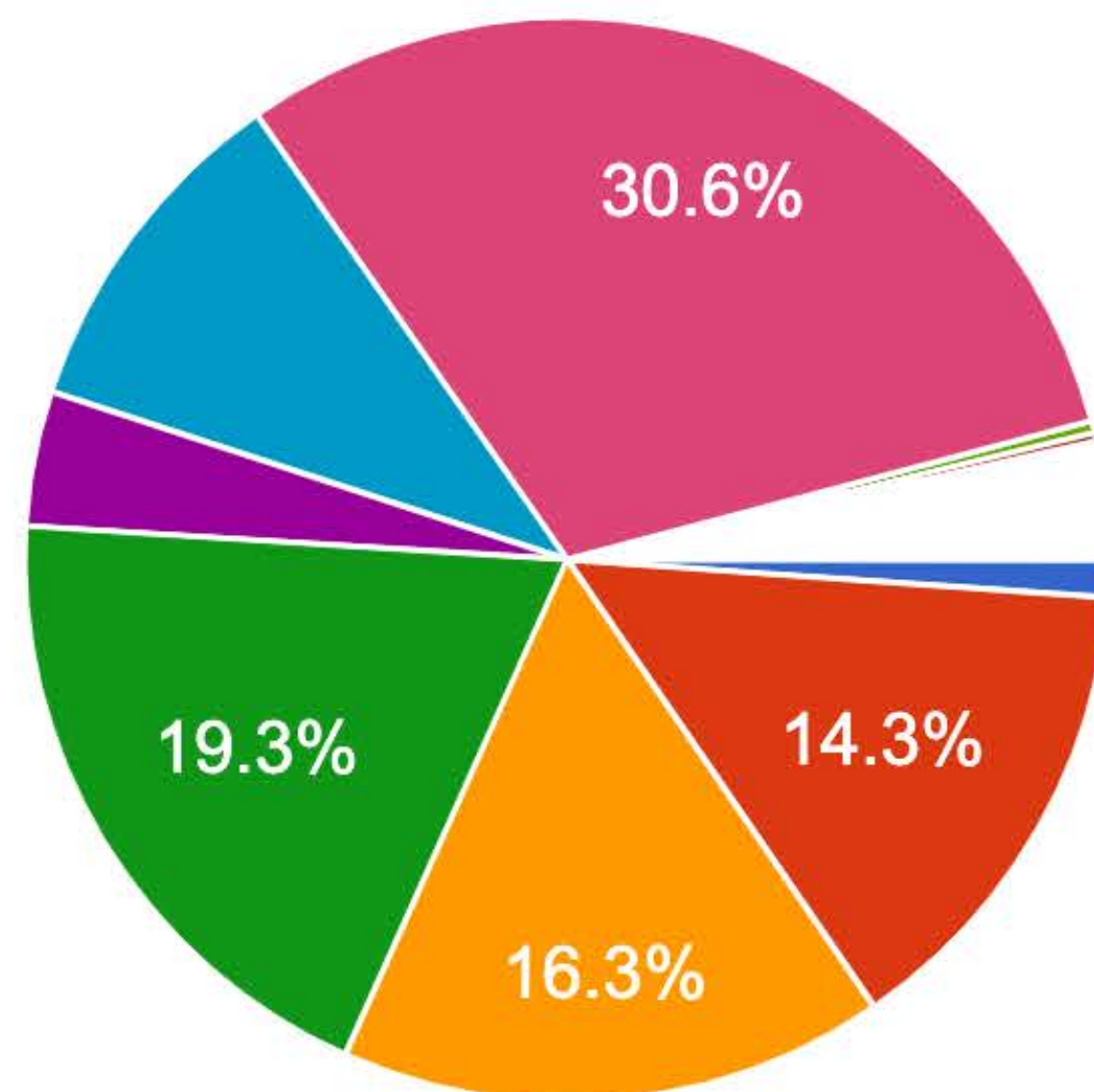




Preliminary Demographics

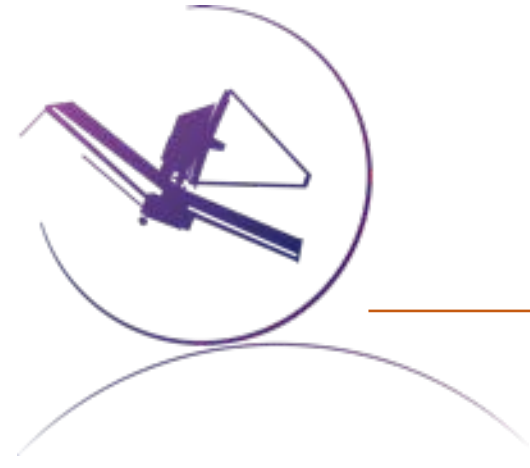
What is your career stage?

1,167 responses



- Undergraduate student
- Graduate student (PhD or Masters)
- Postdoc
- Research scientist or similar long-term...
- Non tenure-track faculty member
- Tenure-track faculty member
- Tenured faculty member
- Emeritus

▲ 1/7 ▼



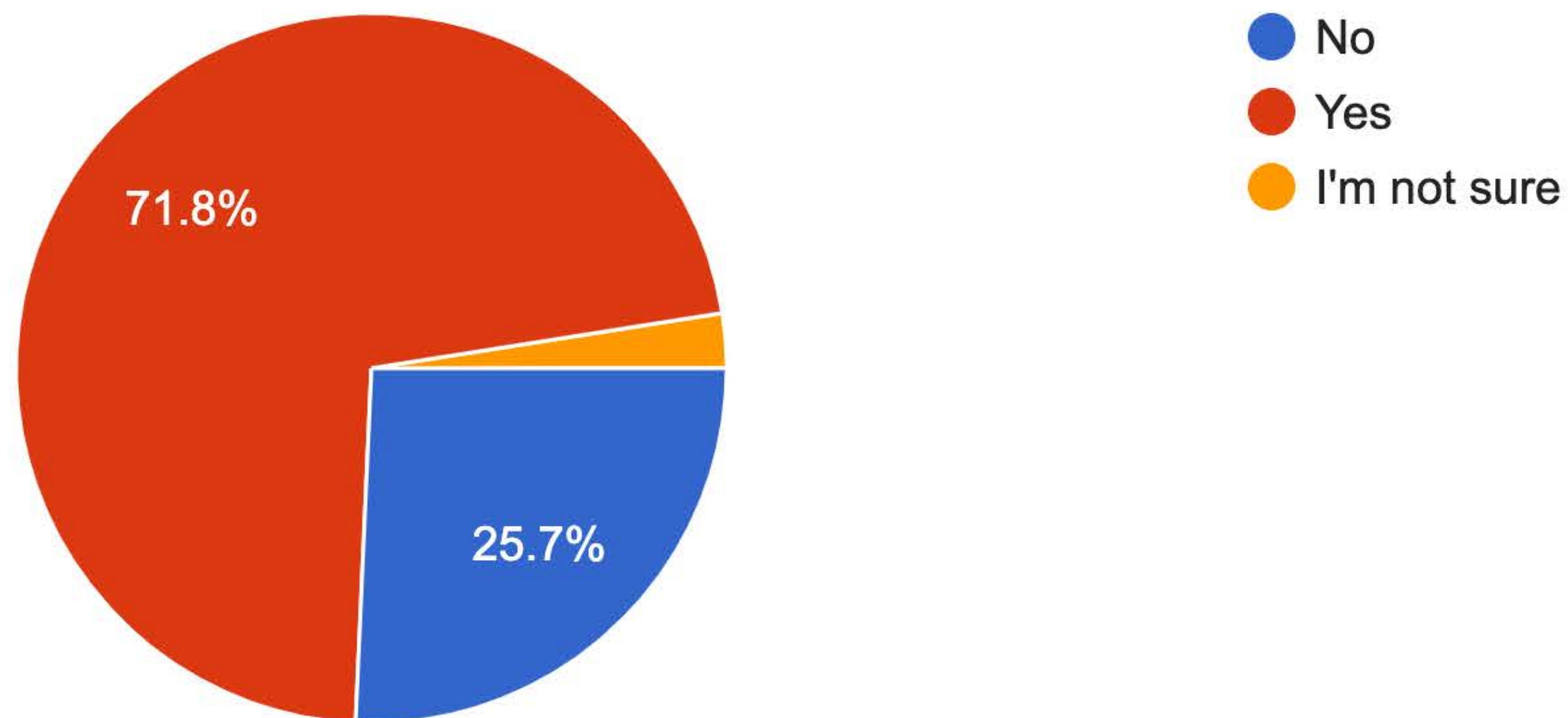
Survey Section 2: Past Experience



Archival Data Use

Have you ever used archival Hubble data in a project? “Archival” data here is defined as publicly available data for which you did not specifically apply for products (HLSPs; <https://archive.stsci.edu/hlsp>).

1,167 responses

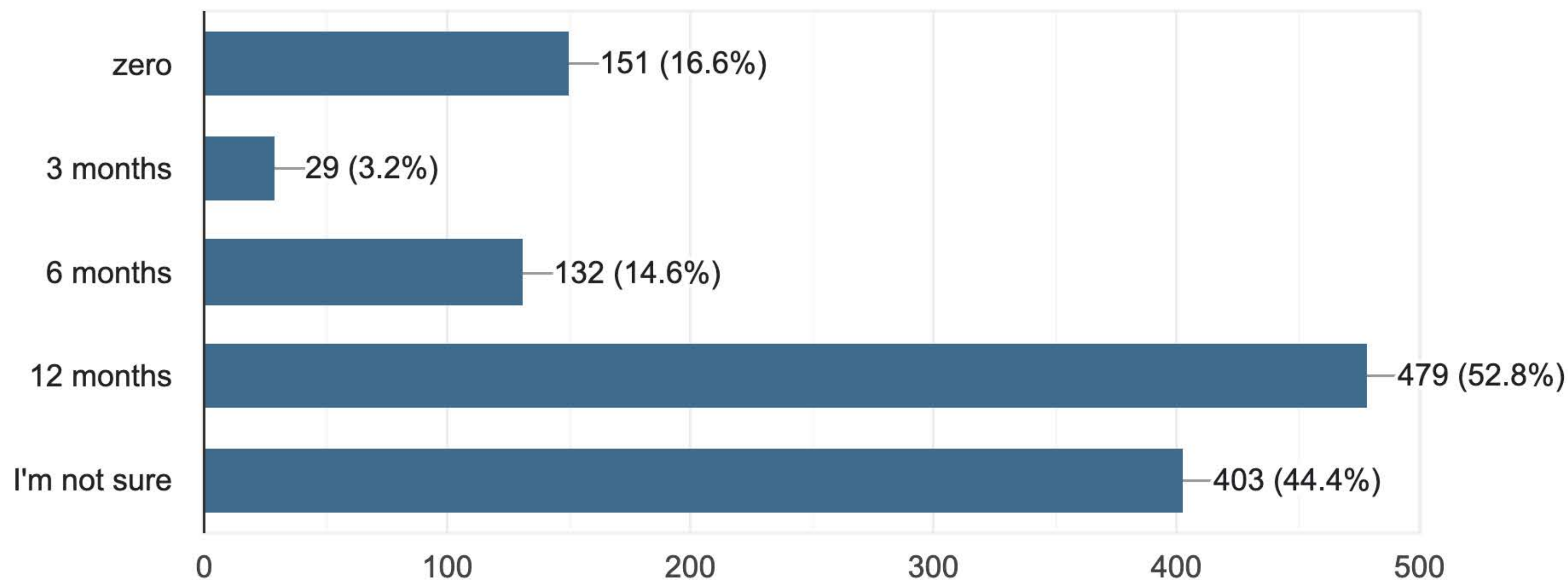




Archival Data Use

If you ever used archival Hubble data in a project, how long of an exclusive access period did those data initially have? Check all that apply.

907 responses

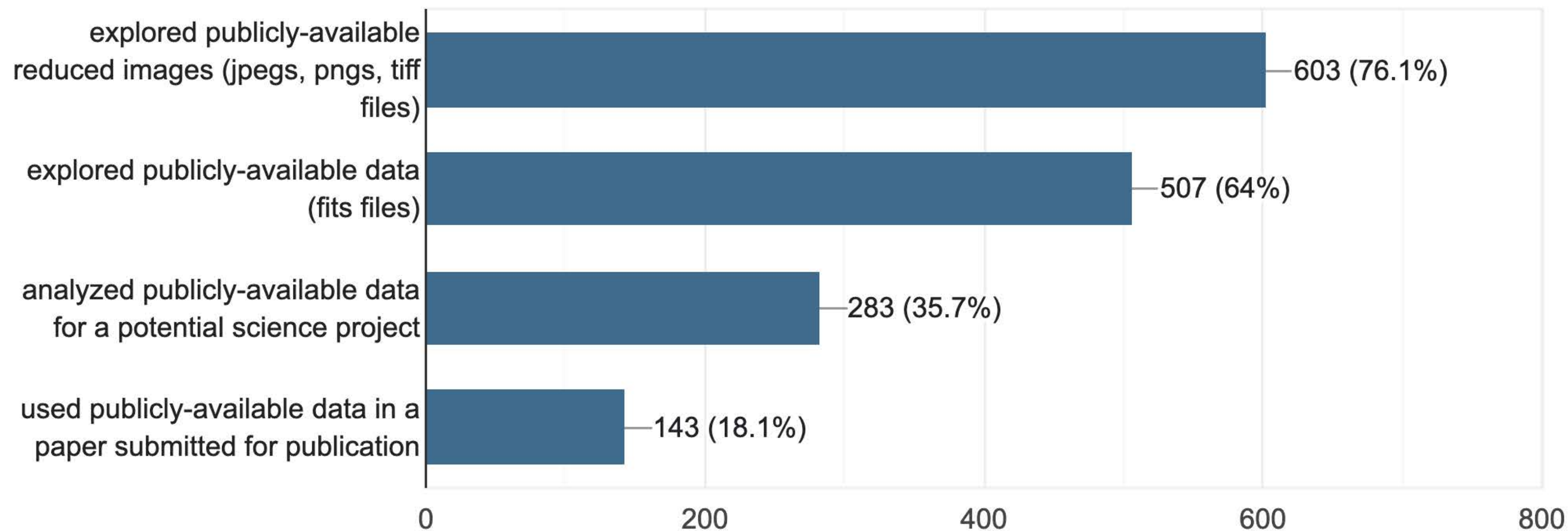




Archival Data Use

Although JWST is much newer, some of its early data is already publicly available. Regarding publicly-available data for which you were not an Investigator on the original proposal, have you ...

792 responses

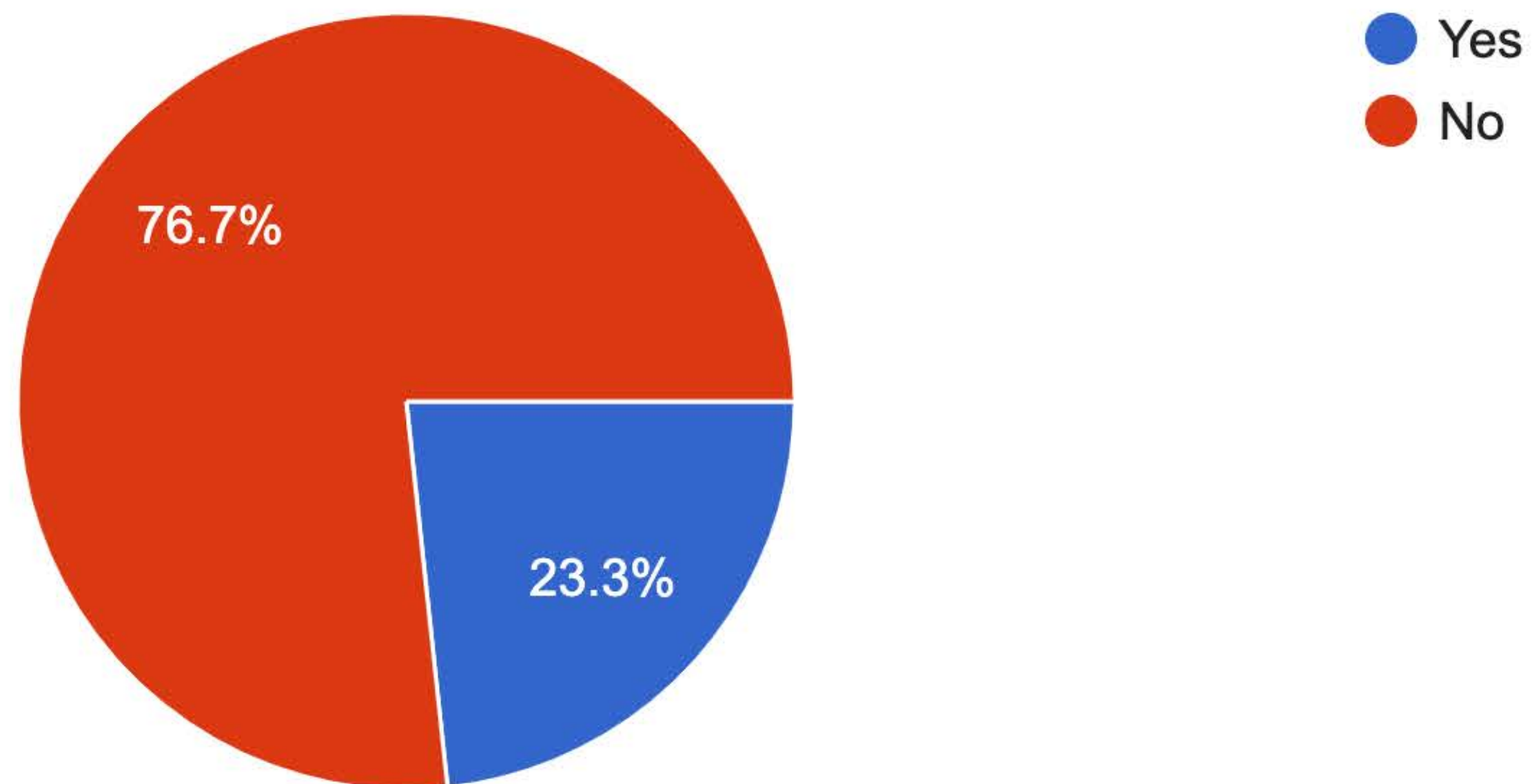




Archival Data Use

Have you ever decided to not do a project because some of the data were unavailable owing to an exclusive access period?

1,150 responses

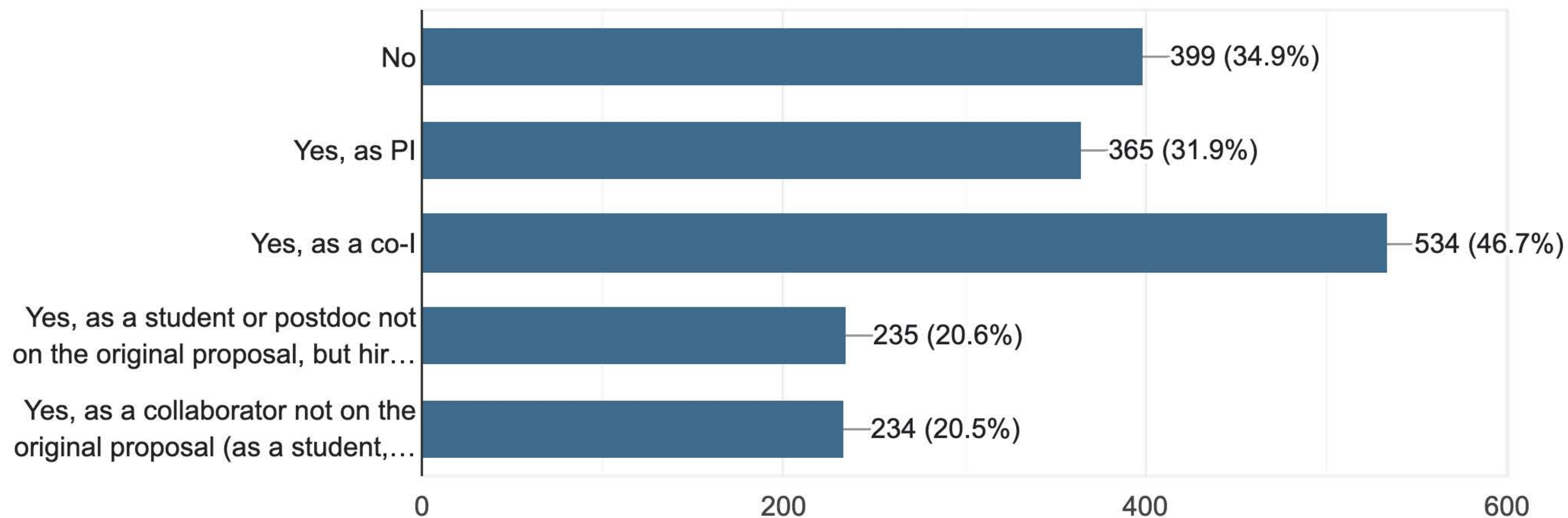




Archival Data Use

Have you ever had access to and analyzed data from Hubble or JWST with a non-zero exclusive access period during the EAP?

1,143 responses

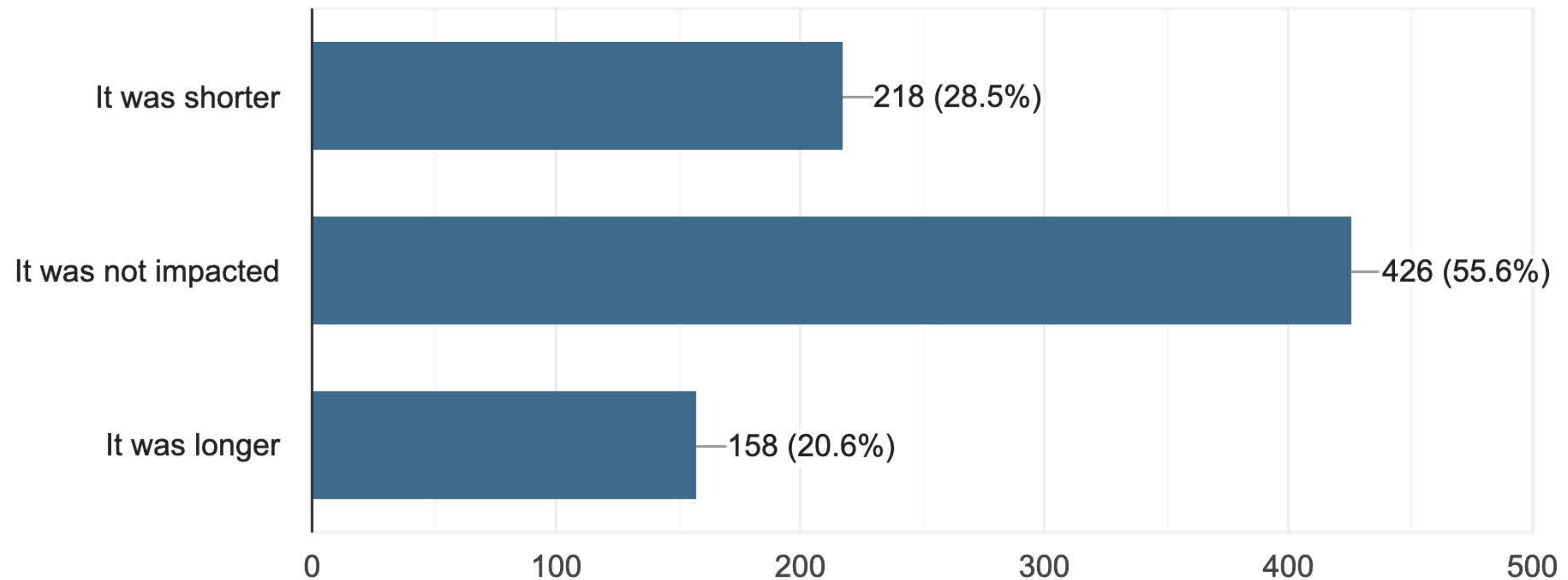




Archival Data Use

If yes, how do you think the timeline to analyze and publish your results was influenced by the Exclusive Access Period?

766 responses

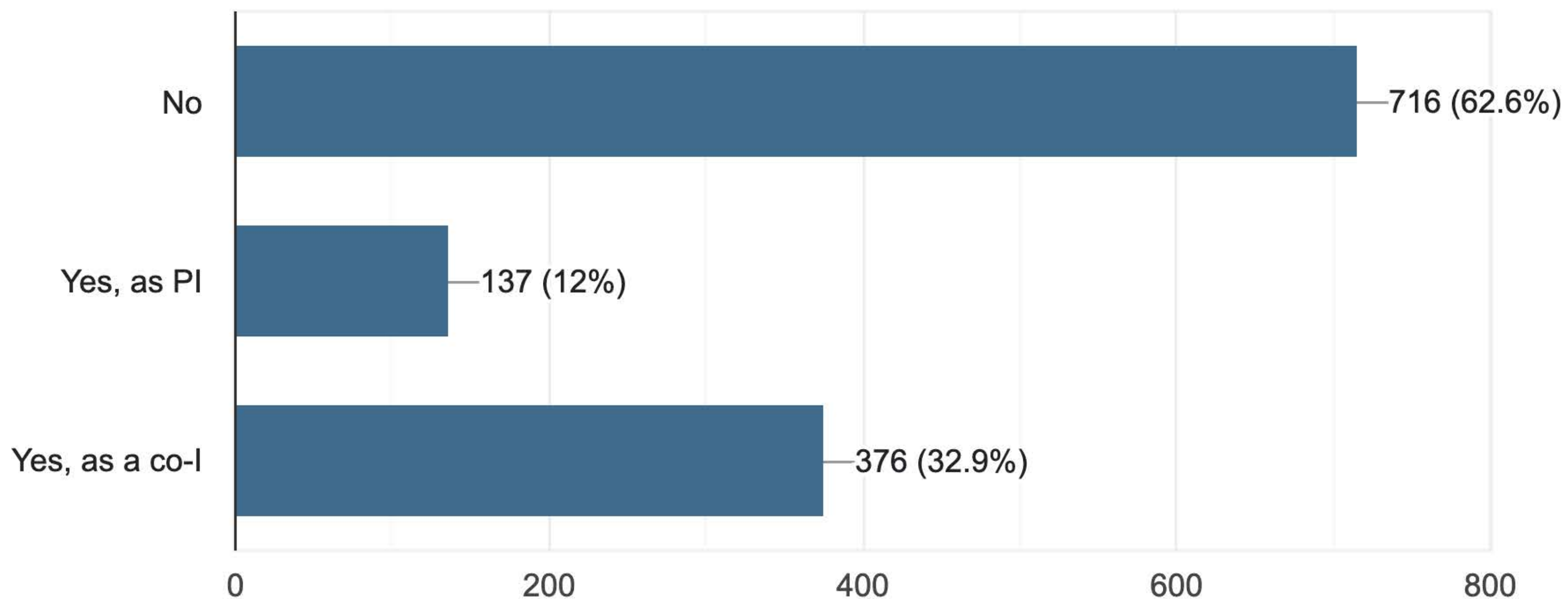




Archival Data Use

Do you have experience being an Investigator on an approved Hubble or JWST program with a zero Exclusive Access Period?

1,143 responses

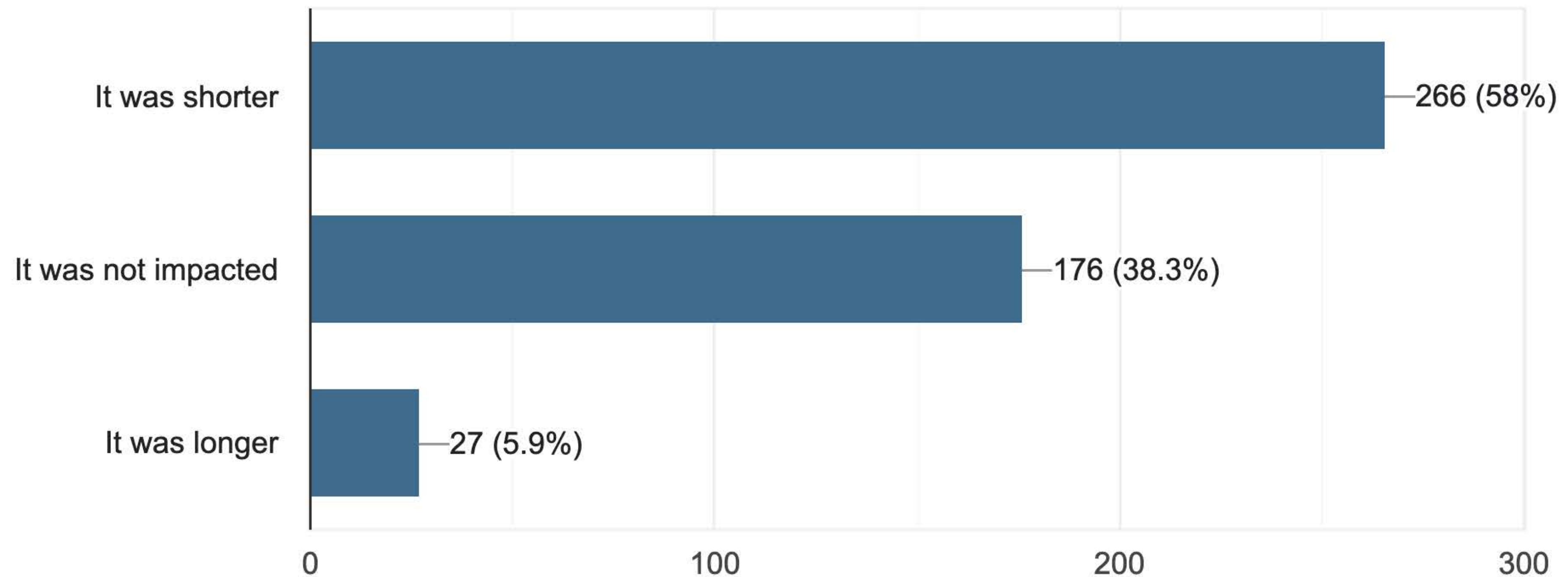




Archival Data Use

If yes, how do you think the timeline to analyze and publish your results was influenced by the lack of an Exclusive Access Period?

459 responses



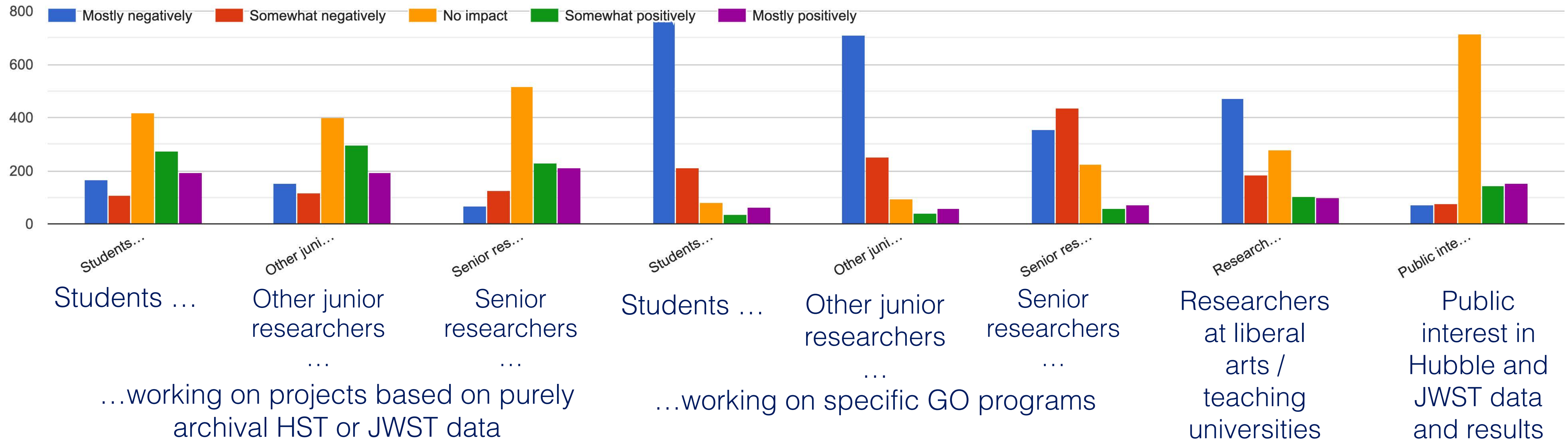


Survey Section 3: Effects of changing the Hubble or JWST Exclusive Access Periods



General Effects of a Zero EAP

How do you expect a Zero Exclusive Access Period would affect ...

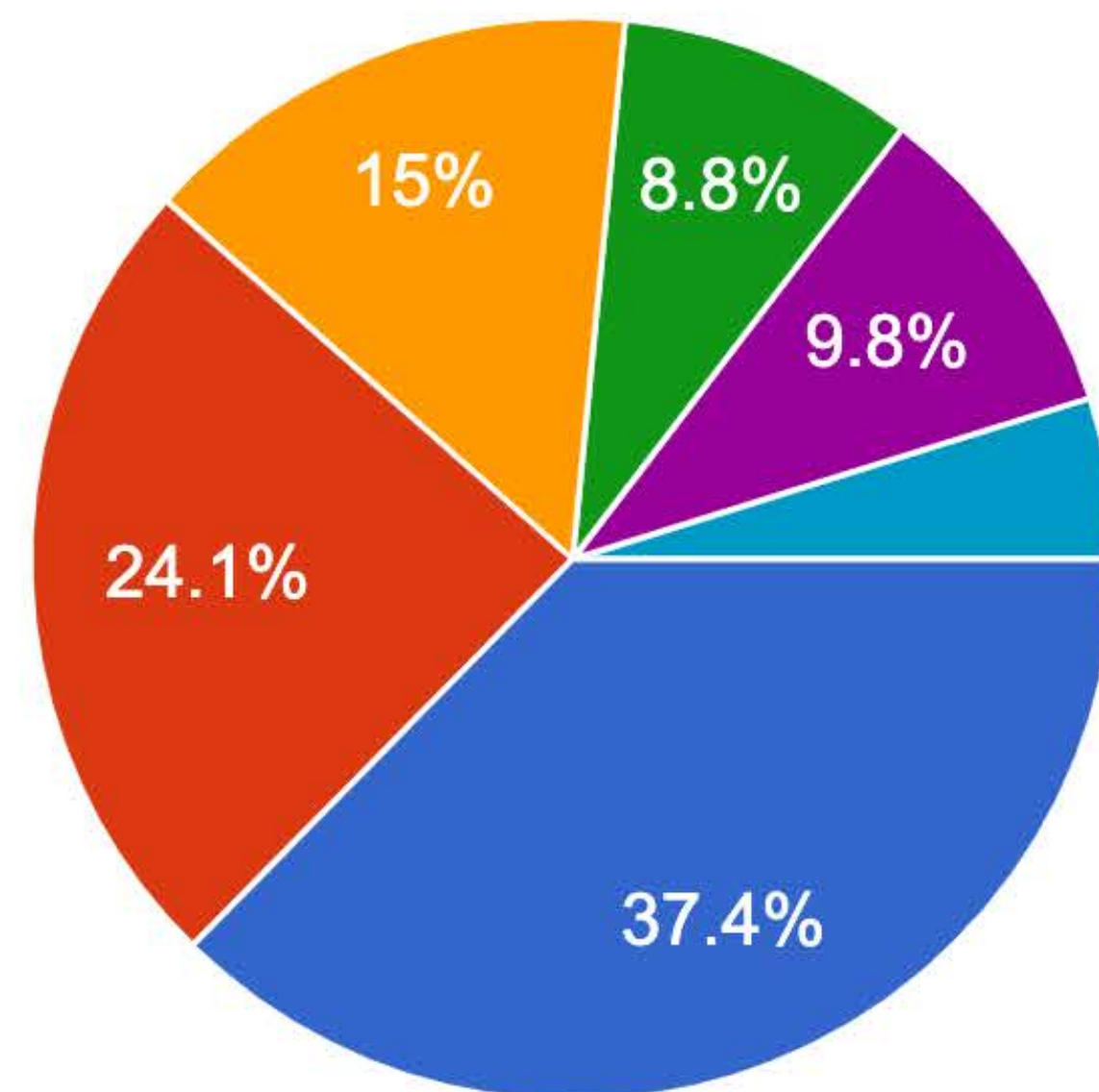




Personal effects of Zero EAP

How would more data with Zero Exclusive Access Period affect your research plans or those of your research group's?

1,164 responses



- Mostly negatively
- Somewhat negatively
- No impact
- Somewhat positively
- Mostly positively
- I don't know

**Majority negative,
but 1:5 positive.**



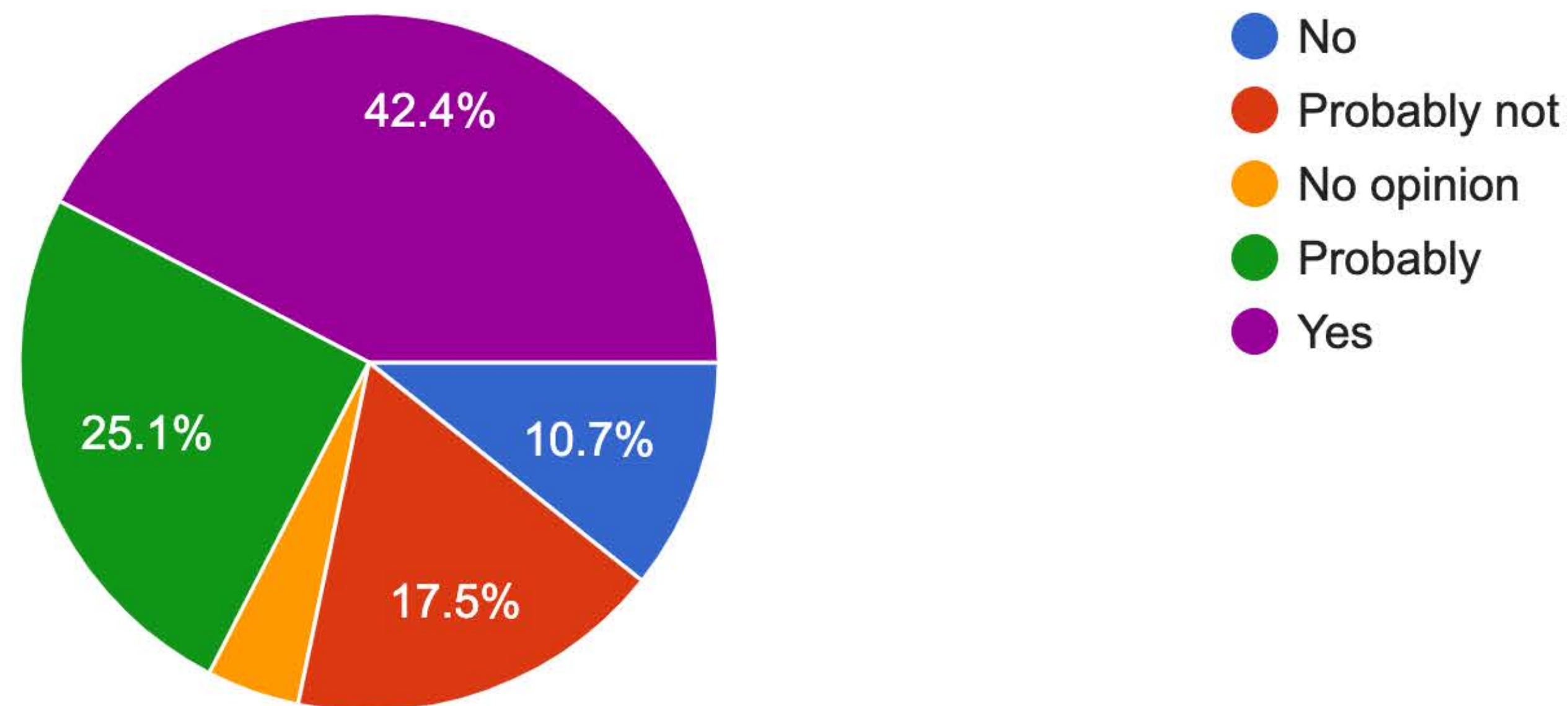
Survey Section 4: Potential processes for implementing a default Zero EAP



Potential Processes

If Hubble and/or JWST transition to a default zero Exclusive Access Period (EAP), should requests for a non-zero EAP be granted automatically?

1,164 responses

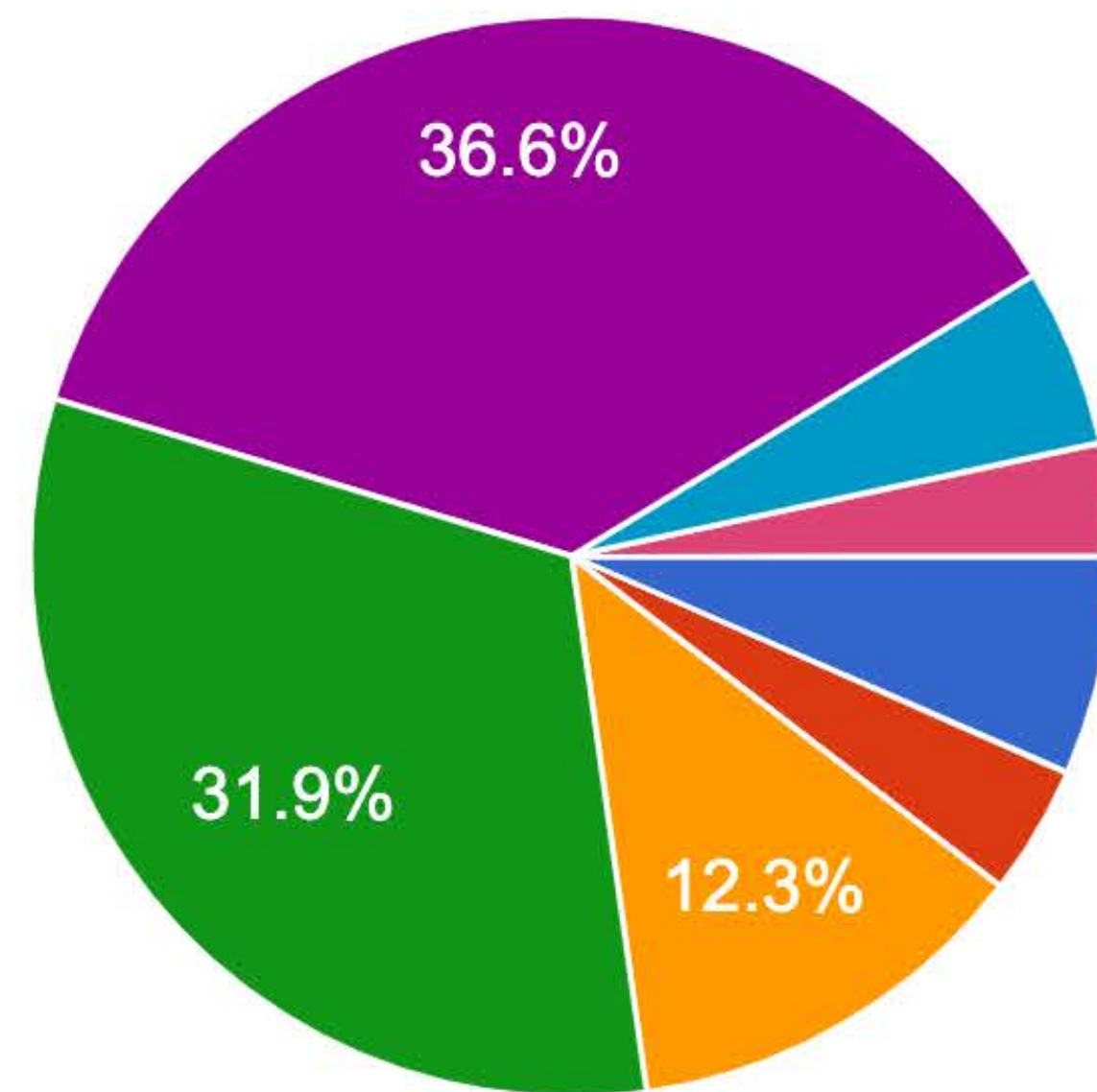




Potential Processes

Should the science of the program or the team composition (e.g., if students are expected to work on the data) be taken into account when granting requests for non-zero EAPs?

1,159 responses



- Science, as part of the proposal review
- Science, after the proposal review
- Team (only after proposal review is complete)
- Both
- Neither -- grant all requests automatically
- Neither -- do not consider any requests
- No opinion



Survey Section 5: Final Thoughts

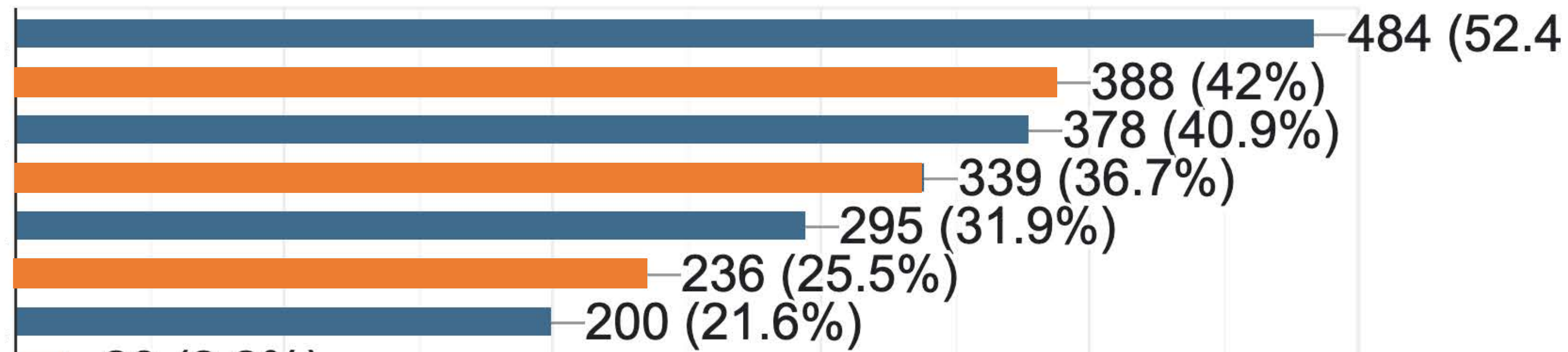


Final Thoughts

What do you see as the potential benefits to reducing or eliminating the exclusive access period for Hubble and/or JWST data?

924 responses

- Faster multiwavelength follow-up and better synergies with other facilities
- Better and more informed science proposals for future cycles
- Levels the playing field for observers at institutions with less representation...
- Faster science results
- Accelerates new ideas
- Increased opportunities for citizen science
- Increased public engagement and support for science and the observatory using facility data



+ 36 write-ins
(Lots of these were “none”)



Final Thoughts

What do you see as the potential downsides to reducing or eliminating the exclusive access period for Hubble and/or JWST data?

1,132 responses

Increases number of rushed publications with less careful data analysis

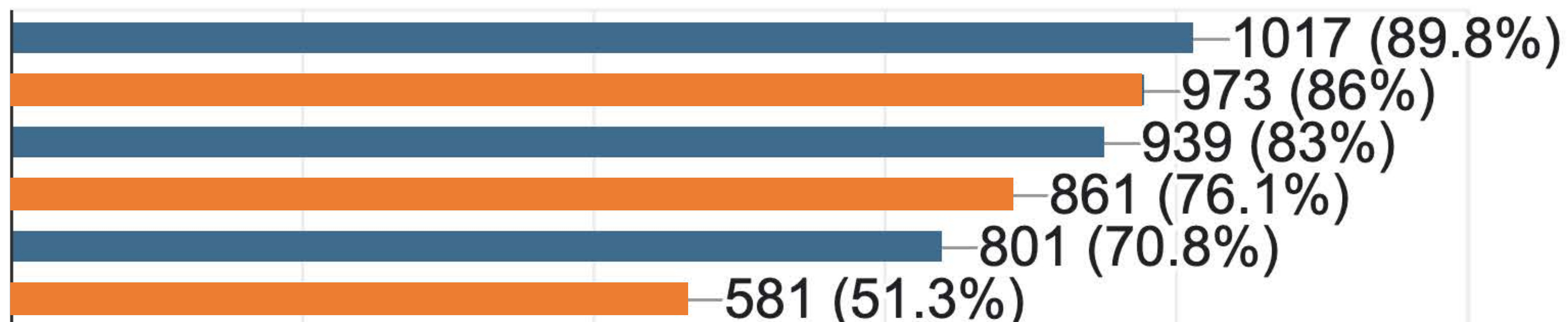
Increases pressure on junior scientists

Creates unequal playing field for junior and less experienced observers in getting publications out

Increases pressure on scientists at smaller institutions

Disincentivizes submission of proposals from groups and institutions with fewer resources

Disincentivizes submission of proposals with creative new scientific ideas



+ 81 write-ins



Final Thoughts

You are invited to use this space for any additional thoughts regarding open data access and the futures of Hubble and JWST.

512 responses



Summary

This was very very preliminary...

A lot more to come!