



EXPANDING THE FRONTIERS OF SPACE ASTRONOMY



# STScI's 2022 in Review

This was an extraordinary year: We saw the first full-color images and data from Webb, discoveries kept rolling in with Hubble, and community engagement ramped up with Roman. Here, we capture details that reflect how our staff continued to help humanity explore the universe with advanced space telescopes and ever-growing data archives.



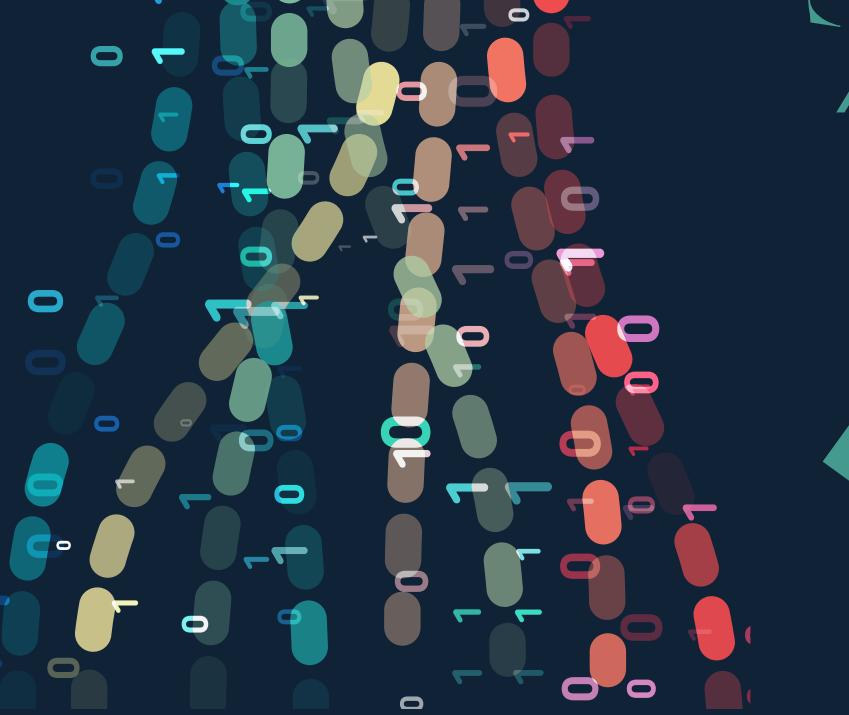
**20+** The updated estimated operational lifetime of Webb following its launch.



## Baltimore, Maryland



The location of the Space Telescope Science Institute, which hosts Webb's Mission Operations Center and Science Operations Center.



**15-17 terabytes**

The amount of data that archivists and engineers add to MAST, our archive, each month from Webb.



**> 20,000**



Roman's field of view is 200 times greater than Hubble's infrared view—allowing the mission to deliver the most sensitive wide-field infrared maps of the universe after it launches.

## A Panoramic Vista

**99.999999%**



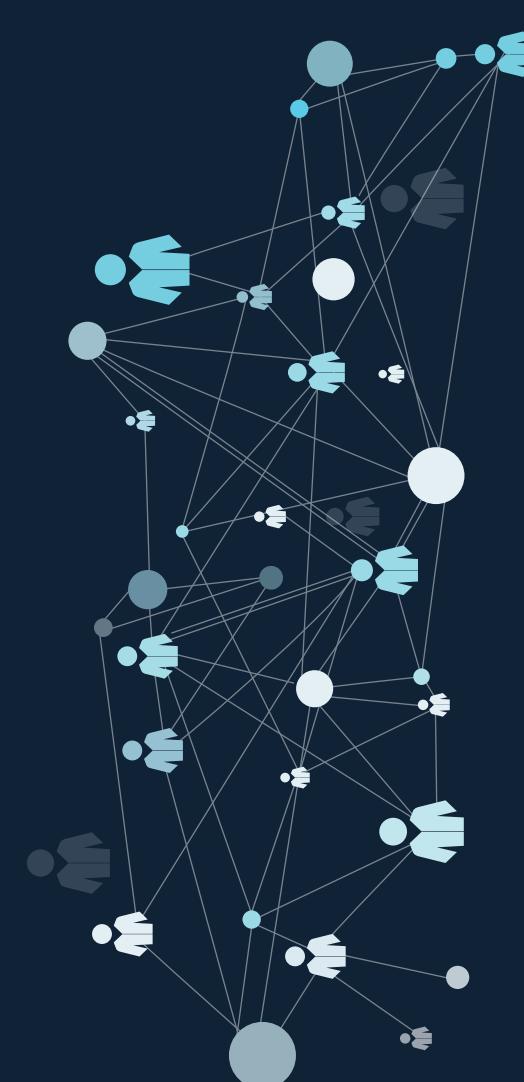
Amount of light blocked by a miniature coronagraph on the HiCAT testbed in STScI's Russell B. Makidon Optics Lab in 2022. 99.99999999% is required to allow a telescope to observe an Earth-like planet.

## Intentionality

Devising a plan with specific, measurable goals to track our progress over time. This will help us build the workforce of the future and rest on the pillars of diversity, equity, inclusion, and accessibility.



**> 650**



The number of readers reached (repeatedly!) in 2022 by newspaper and magazine articles, TV spots, radio clips, and social media posts promoting Webb's first images and data, Hubble's discoveries, and Roman's upcoming observations.

**> 427 billion**

Read the articles: [www.STScI.edu/Annual-Reports](http://www.STScI.edu/Annual-Reports)