



NASA HQ Perspective

Eric P. Smith

JWST Program Scientist

Associate Director for Research, Astrophysics Division



NASA APD Budget

Budget Authority (in \$ millions)	Op Plan FY 2022	Enacted FY 2023	Request FY 2024	FY 2025	FY 2026	FY 2027	FY2028	FY 2029
FY24PBR Astrophysics Research	267.4	284.8	289.9	299.3	374.0	384.8	384.3	
FY25PBR Astrophysics Research			CR	300.5	378.7	390.5	390.3	377.1
FY24PBR Cosmic Origins	364.1	314.8	342.5	358.7	348.2	428.4	454.0	
FY25PBR Cosmic Origins			CR	319.0	312.8	307.7	300.4	282.1
FY24PBR Physics of the Cosmos	160.0	180.7	202.0	212.7	204.8	207.8	216.3	
FY25PBR Physics of the Cosmos			CR	210.8	184.3	168.6	176.1	133.7
FY24PBR Exoplanet Exploration	543.0	502.9	463.7	427.1	419.4	313.0	196.9	
FY25PBR Exoplanet Exploration			CR	478.5	459.0	366.1	323.8	339.9
FY24PBR Astrophysics Explorer	234.4	226.8	259.3	324.3	319.5	355.5	497.9	
FY24PBR Astrophysics Explorer			CR	269.3	252.2	380.6	456.4	540.6
FY24PBR Total Budget	1568.9	1510.0	1557.4	1622.1	1665.9	1689.6	1749.4	
FY25PBR Total Budget	1568.9	1510.0	CR	1578.1	1587.0	1613.6	1647.1	1673.4

PBR: President's Budget Request, CR: Continuing Resolution, OP: Operating



Astrophysics Priorities

- Maintain a **balanced portfolio** during this decade and the next, by balancing investments in missions under development and future missions, against funding for large missions in extended science operations.
- Investment to advance the Astro2020 Decadal Priorities, including technology maturation for the **Habitable Worlds Observatory**, and the selection of an **Astrophysics Probe** mission.
- Ensure successful completion of the **Roman Space Telescope**, within the Agency commitment
- Protect international **partnerships** such as the Laser Interferometer Space Antenna (LISA)



Operations Paradigm Review

The APD will conduct an Operations Paradigm Change Review (OPCR) of the Chandra X-ray Observatory and Hubble Space Telescope missions in 2024. The OPCR will assess project proposed options for approaches to continue their operations in the extended mission phase, with reduced funding as proposed in the FY2025 President's Budget. NASA will use the findings from the OPCR to:

- Define an implementation approach consistent with astrophysics strategic objectives,
- Prioritize the operating model(s),
- Provide programmatic direction to the projects for FY25, through FY29 (possibly to be revisited in the 2025 Senior Review).

NASA actions resulting from the OPCR could include authorizing a mission to; maintain the status quo; restructure the project; or terminate an ongoing science mission.

The work of the projects and review panel will be incorporated into the FY26 Planning, Programming, Budgeting, and Execution exercise (June 2024).



Open Science/Open Data

- Alessandra Aloisi has joined APD for a detail to work with the SMD Office of the Chief Science Data Officer (OCSDO)
- JWST Exclusive use period remains the same for Cycle 3 (12 months default)
- AI/LLM agents and proposals...



Handling DAPR

- Currently STScl policies related to DAPR are slightly different from NASA policies
(<https://science.nasa.gov/researchers/dual-anonymous-peer-review/>)
- In particular, the self-plagiarism guidelines used in the STScl calls are something NASA policies are silent on.
 - As part of open science, NASA has been encouraging people to share proposals so that other people can see how NASA proposals are written. There is even a website: <https://www.ogrants.org/> where people are sharing grants from all sorts of agencies.
- See later presentation from STScl on this topic