JAMES WEBB SPACE TELESCOPE CYCLE 2 CALL FOR PROPOSALS

Proposal Deadline: January 27, 2023

We are pleased to announce the release of the Cycle 2 Call for Proposals [1] for the James Webb Space Telescope (JWST) Observations and funding for Archival Research and Theoretical Research programs.

New capabilities and considerations for Cycle 2 include:

- **Micrometeroid Avoidance Zone (MAZ)** [2] - It is NASA’s intention to discourage observations in the MAZ-FOR overlap region to the greatest extent possible. Proposers are encouraged to avoid such observations unless the science use case requires it. Requests for observations in the ram direction will need to be strongly justified, and may be rejected if the demand for such observations is too high.
- **Survey Programs** [3] - Proposers may request short “filler” observations to fill gaps identified in the scheduling process. Proposals should include the number of targets needed to address the science goal(s) and example observation(s) in APT. The TAC will be instructed to disregard the telescope time request automatically generated by APT.
- **Joint JWST Proposals** [4] - Proposers may request ALMA, Chandra, HST, NASA Keck, NOIRLab and/or XMM-Newton for individual targets in their JWST program. There is no guarantee that joint observations will be obtained simultaneously with JWST observations.
- JWST can track moving targets at faster rates than anticipated before launch. Targets moving up to 75 mas/s can be tracked and are now permitted.
This solicitation for dual anonymous proposals will be open through January 27, 2023 8:00pm EST. The release of the Astronomer's Proposal Tools [5] (APT), required for Proposal Submission is 2022.7.1 or higher, this version will be delivered around November 17, 2023. All programmatic and technical information, as well as specific guidelines for proposal preparation, are available electronically from the JWST Opportunities and Policies Web Page: https://jwst-docs.stsci.edu/jwst-opportunities-and-policies [6], as well as: http://www.stsci.edu/jwst/science-planning [7].

The James Webb Space Telescope ephemeris available through JPL/Horizons has been updated to reflect the actual position of the observatory over time. Prior to Nov. 10, Horizons was using the predicted ephemeris (i.e., that used for Deep Space Network operations). The new ephemeris reflects best-knowledge of the observatory location up through Nov. 14, and uses the predicted ephemeris for dates in the future. In the interval between launch and Nov. 14, 2022, the maximum difference between the predicted and actual ephemeris was approximately 150 km. The ephemeris will be updated weekly to reflect actual observatory location over the previous week.

SPICE users can also find the kernels at the Planetary Data System (PDS) Navigation and Ancillary Information (NAIF) server at JPL. The kernels will also be updated weekly, and are available at: https://naif.jpl.nasa.gov/naif/data_astrophysics.html [8]

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DART BOARDER PROGRAM INDICATION OF INTEREST FOR FEBRUARY INVESTIGATION TEAM MEETING

forms.gle/H3JZedB7FkRfH5Rv7 [9]

The Double Asteroid Redirection Test (DART) Investigation Team is reopening the "DART Boarders" program, intended to introduce advanced graduate students and early career scientists (less than 7 years since a terminal degree) regardless of nationality to the experience of working on a mission team via an invitation to observe the DART Investigation Team meeting 6-10 February, 2023.

Unfortunately, we cannot offer support for time spent in the program, but we anticipate a commitment of roughly 20-24 hours spread over the week prior to and week of the team meeting.

Respondents will be selected based upon anticipated impact to their career path and alignment of research interests with mission objectives, giving preference to candidates without existing connections to the team via current advisor-student relationships. DART recognizes and supports the benefits of having diverse and inclusive communities and expects such values to be reflected in this opportunity.
Questions can be sent to andy.rivkin@jhuapl.edu with subject line “DART Boarders”. The indication of interest must be filled out by Wednesday, 21 December, 2022. Applicants will be notified of the outcome early in January 2023.

For more information about the DART mission: https://dart.jhuapl.edu

EGU23 SESSION PS6.1: ICE GIANT SYSTEM SCIENCE AND EXPLORATION

We are pleased to announce that the abstract submission is open for EGU 2023, held in Vienna on 23-28 April 2023 and online.

The abstract deadline is 10 January 2023 (13:00 CET), but those seeking travel support should submit their abstract by 1 December 2022 (13:00 CET).

We are excited to be convening a session on Ice Giant System Science and Exploration and encourage all who are interested to submit an abstract.

The Ice Giant System Science Exploration session welcomes papers addressing ice giant system science, including the composition, dynamics, and processes shaping ice giant atmospheres, interiors, magnetospheres, satellites, and rings. The session particularly encourages papers addressing the results from the anticipated James Webb Space Telescope (JWST) observations of the Uranus and Neptune systems, along with new insights from ground-based observations. Additionally, due to the prioritization of a Uranus Flagship mission in the recent NASA Planetary Science Decadal Survey, papers related to future ice giant system exploration, instrumentation, mission concepts, technology developments, and international cooperation are of significant interest.

If you are considering submitting an abstract in this session, you can use the following link to view the session and find the link for abstract submission.

https://meetingorganizer.copernicus.org/EGU23/session/45816

Hope to see you in Vienna!
The Ice Giants session conveners,

Erin Leonard, Dave Atkinson, Thibault Cavalié, Leigh Fletcher, Carol Paty

NEWS FOR PLANETARY STUDENTS AND EARLY CAREER SCIENTISTS


The LPI has launched a new, online newsletter [14] that strives to serve the planetary science community by providing regularly-updated, curated information about opportunities and resources for students and early career scientists. Announcements include descriptions and links addressing relevant Workshops and Events, Internships and Fellowships, Scholarships and Awards, and more. If you have questions or suggestions for the newsletter, please contact Grace Beaudoin (gbeaudoin@lpi.usra.edu [15]).

REMEMBER - CENTAURS: A PROPOSED NEW AAS-IOP EBOOK

Open Call For Expressions Of Interest (please respond by Dec 31, 2022)

This will be the first comprehensive research reference covering the Centaurs as a population of objects critical to our understanding of the formation and evolution of icy small bodies in the solar system. Topics to be reviewed in CENTAURS include:

- the current states of Centaur observations and laboratory experiments
- connections to the Trans-Neptunian objects (TNOs), Jupiter family comets (JFCs), and other icy body populations
- current theories on the formation of Centaurs
- constraints on Centaurs' physical properties (shapes, composition, surface properties, etc)
- our current best understanding of volatile outgassing, outbursting, surface evolution, ring formation, and other processes that affect Centaurs as they physically evolve
- proposed in situ exploration of Centaurs
- exciting new tools, such as the Vera Rubin Observatory’s Legacy Survey of Space and Time (LSST) and JWST, which could transform our understanding of the Centaurs

We are looking for a wide range of interested contributors. If you study Centaurs in any way and might be interested in contributing to a review chapter, please give us your contact information via this google form: [https://forms.gle/aRxp4zGbByLhHtib9](https://forms.gle/aRxp4zGbByLhHtib9) [16]

Many have already filled out the form - thank you! If you are interested and have not yet filled out the form, please do so now. We welcome expressions of interest from people of all career stages and backgrounds. We will be sending and seeking further information once we have gathered contact information from a wide range of interested authors. Please respond by December 31, 2022.

Send any questions to the editors: Kat Volk ([kvolk@psi.edu](mailto:kvolk@psi.edu) [17]), Maria Womack ([mariawomack@gmail.com](mailto:mariawomack@gmail.com) [18]), and Jordan Steckloff ([jsteckloff@psi.edu](mailto:jsteckloff@psi.edu) [19])

NEWS FOR PLANETARY STUDENTS AND EARLY CAREER SCIENTISTS


The Lunar and Planetary Institute has launched an online newsletter that strives to serve the planetary science community by providing regularly-updated, curated information about opportunities and resources for students and early career scientists. Announcements include descriptions and links addressing relevant Workshops and Events, Internships and Fellowships, Scholarships and Awards, and more. If you have questions or suggestions for the newsletter, please contact Grace Beaudoin ([gbeaudoin@lpi.usra.edu](mailto:gbeaudoin@lpi.usra.edu) [15]).
INTRODUCTION TO PLANETARY IMAGE ANALYSIS WITH ARCGIS

FEBRUARY 4 2023, CORNELL UNIVERSITY

The Spacecraft Planetary Imaging Facility (SPIF) of Cornell University is offering this free workshop at on Saturday, February 4, as part of the Planetary Data Training Workshops funded by NASA's TWSC program. This will be an introductory level course accessible to participants with no prior GIS experience. It will provide instruction in ArcMap, as well as an introduction to ArcGIS Pro for both new and experienced users. The workshop will run from 9:00am to 5:00pm EST at Cornell University's main campus in Ithaca, NY. There are two $1,800 travel grants available to promote attendance of groups underrepresented in planetary science and STEM. Space is limited and registration is required:

https://forms.gle/KgDozWvkVBG9gUcw5

The deadline for in-person registration is January 13, and grant applications are due December 31. Please contact Zoe Learner Ponterio, SPIF Manager, for more information at zap9@cornell.edu.

JOBS, POSITIONS, AND OPPORTUNITIES
A. POSTDOCTORAL RESEARCHER - PLANETARY SCIENCE, SWRI

https://dps.aas.org/content/postdoctoral-researcher-planetary-science-2 [23]

B. OPEN POSITIONS AT THE SWEDISH INSTITUTE OF SPACE PHYSICS

The Swedish Institute of Space Physics (IRF) invites applications for Scientist (permanent) and PostDoc (up to 3 years) positions for processing and analysis of data collected by IRF's particle instruments onboard ESA's BepiColombo and Mars Express missions.

Closing date for applications is January 9 2023.

https://tinyurl.com yc8x3933m [24]

https://tinyurl.com/aujmznck [25]

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Send submissions to: Maria Womack, DPS Secretary (dpssec@aas.org [26])

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To unsubscribe from this list please go to https://lists.aas.org/confirm/?u=WumMgxrglYvmfnfPIPRxfPqLc6griC4R [30]