

GEMS JWST Publication Policy¹

September 21, 2023

Results from this survey are expected to be published in at least eight papers: one paper for each individual planet (7 total) and a single summary survey paper. The eight expected papers are considered the Core Publications detailed below and are maintained [here](#). All papers outside of the aforementioned eight publications are considered Ancillary Publications.

Core Publications

All members of the GEMS JWST Science Team (as defined by the list maintained by the PIs and posted on the website) will be offered co-authorship on Core Publications.

New members can be onboarded on to the GEMS JWST Science Team, for just one planetary system, or an outside collaborator following the stems defined in the [Code of Conduct & Collaboration Policy](#). Every new member and existing GEMS JWST Science Team member must adhere to this Publication Policy.

Authorship will be offered to new members (who were previously onboarded following steps highlighted in the [Code of Conduct & Collaboration Policy](#)) on the Core Publications assuming they contributed to any one or more of the following:

- a. Contributed to the data reduction process
- b. Contributed to theoretical modeling
- c. Provided additional complementary data or resources that enhanced the results
- d. Contributed to text writing
- e. Contributed to verbal input or discussions that significantly shaped results

Ancillary Publications

Ancillary Publications as defined above are outside of the eight expected core publications but may or may not utilize proprietary data as defined in the [Code of Conduct & Collaboration Policy](#). Ancillary Publications utilizing proprietary data must be discussed with the PIs, and the same authorship criteria defined above for Core Publications must be followed.

For publications that do not use proprietary data but are related to the primary science goals outlined in the original proposal, while we do not set fixed authorship criteria, we encourage the lead to include relevant team members.

Lead Author Responsibilities

The lead author on the publications is the first-author on the manuscript, and typically also the corresponding author. The lead authorship for the Core Publications will be assigned by the PIs in consultation with the transit scheduling, personnel commitments and budgeting discussions. Any issues or concerns can be brought up with the PIs and/or ombudspersons. The lead author

¹ Publication policy borrows heavily from the [NEID](#), [COMPASS](#), and Pandora publication policies.

for Core Publications or an Ancillary Publication using proprietary data has the following responsibilities (in conjunction with their advisors, for graduate students):

1. Coordinating the data analysis as applicable. For example: two independent data reductions for each planetary transit for said system, comparison with model grids, independent atmospheric retrievals, and bulk metallicity discussions.
2. Establishing a timeline for publication in coordination with the analysis leads and PIs.
3. Facilitating discussions among the team pertaining to the publication.
4. Being actively involved in the writing of the publication and assigning section leads for different parts of it when necessary.
5. Deciding the order of authorship based on contribution to the publication. Any issues or concerns can be brought up with the PIs and/or ombudspersons.
6. Distributing the draft of the publication for internal review to all the coauthors **at least two weeks** before submission.
7. Submitting the publication to the journal including relevant data behind figures, tables, etc.
8. Submitting to the ArXiv, either upon submission/acceptance as can be decided by the lead author. All ArXiv publications must include the DOI issued by the journal upon acceptance.
9. Communicating with the journal editors and referees, including responding to referee reports.

Co-Author Responsibilities

Co-authorship will be extended an invitation to join publications based on criteria defined above, but **must positively affirm their co-authorship via email** (not on Slack or Zoom) to the lead author upon receipt of the paper draft for review. Individuals who do not confirm authorship within the timeline defined by the lead author (minimum of two weeks) will not be included as an author on the publication. Co-authors are responsible for reading the publication (and agreeing with the stated conclusions), and are encouraged to offer detailed constructive feedback to improve the quality of the publication and science output.

Any disputes or problems with authorship assignment should be raised with the PIs or ombudsperson prior to submission of the publication.

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