



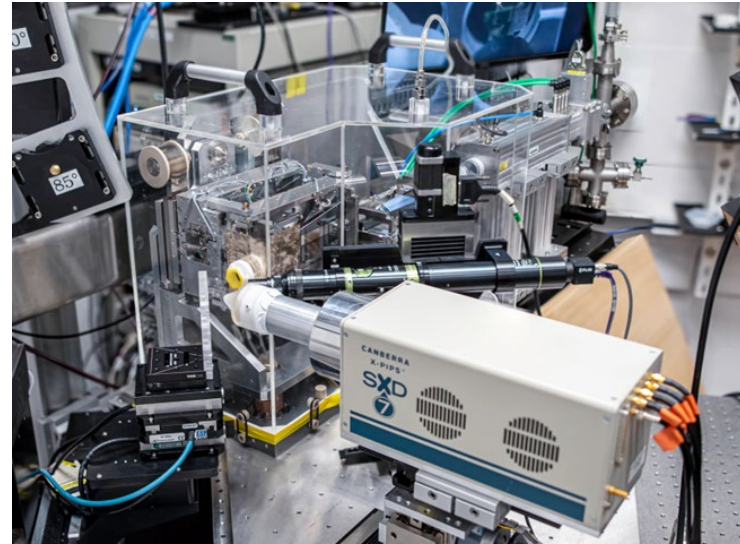
# GSECARS Synchrotron Facility for Planetary Science Research

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<https://gsecars.uchicago.edu>

## Description of Facility

- GSECARS Sector 13 beamlines at the Advanced Photon Source for synchrotron-based microanalysis in planetary science research.
- Access to X-ray microprobe for X-ray fluorescence, X-ray absorption fine structure spectroscopy, X-ray diffraction, full-field computed microtomography, and support for focused ion beam section preparation at the University of New Mexico.
- Support for both in-person and remote analyses



GSECARS  
X-ray  
Microprobe at  
beamline  
13-ID-E

## How to use the facility

- Beamtime requests are made through the peer-reviewed Advanced Photon Source General User system (<https://aps.anl.gov/Users-Information/About-Proposals/Apply-for-Time>).
- Approximately 80% of available total time at these beamlines are allocated to Earth and Planetary Science proposals.
- No experiment fees for non-proprietary experiments.
- Contact the GSECARS Synchrotron Facility for Planetary Science Research PI for assistance in preparing and submitting proposal requests.

## Contact information:

- Sector 13 at the Advanced Photon Source, Argonne National Laboratory, Lemont Illinois, USA.
- Sector information and proposal submission guidelines can be found at <https://gsecars.uchicago.edu>
- For PSEF beamline support contact Dr. Antonio Lanzirotti (The University of Chicago) [lanzirotti@uchicago.edu](mailto:lanzirotti@uchicago.edu).