



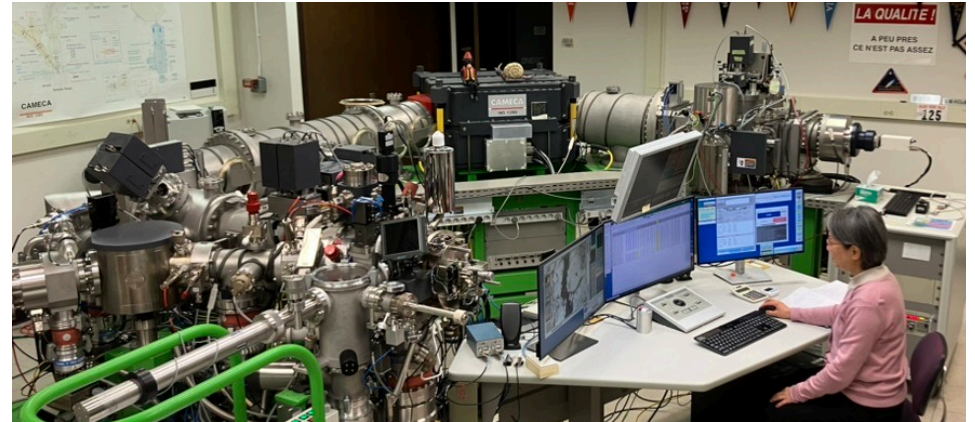
Wisconsin Secondary Ion Mass Spectrometer Laboratory (WiscSIMS)

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wiscsims.geoscience.wisc.edu

Description of Facility

- WiscSIMS is equipped with a CAMECA IMS 1280, a large magnetic-sector SIMS, and has been funded by NSF (EAR IF) as a National Facility for Stable Isotope Geochemistry.
- WiscSIMS specializes in high precision stable isotope analyses of minerals at 1-10 μm scale.
- 10% of instrument time will be available to external NASA Planetary Science and broader extraterrestrial sample analysis community.
- Users may conduct analyses by visiting the facility in-person or send samples with documentation to facility personnel for analyses.



WiscSIMS IMS 1280 provides highly precise and accurate oxygen 3-isotope analyses and Al-Mg chronology of extraterrestrial samples, such as Ca, Al-rich inclusions and chondrules in primitive meteorites, micrometeorites, interplanetary dust particles, comet Wild 2, and asteroid return samples.

How to use the facility

- Request to use the instrument for extraterrestrial materials will be made using online form.
- The application will be reviewed by WiscSIMS Oversight board according to scientific merit and feasibility every 3 months.
- NASA PSD funded users will receive highest priority (same as NSF funded users).
- Instrument fees are \$1,800 (12 hours/day) for NASA PSD funded users and \$3,600 (12 hours/day) for academic users (no charge for set up time and time for analyzing calibration standards).

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- WiscSIMS Oversight Board: Chloe Bonamici (Chair), John Valley, Brad Singer, D. Clay Kelly, Noriko Kita, Kouki Kitajima