Welcome to the 2025 Sagan Summer Workshop

NASA · Caltech · ipac · NExScI

NExScI Supports NASA's Exoplanet Program

- NExScI is the science center for NASA's Exoplanet Exploration Program and is part of IPAC on the Caltech campus

- Provides broad support of exoplanet research community through archives, observing time, workshops, tools and services for data sharing and analysis

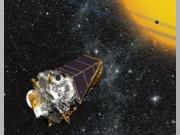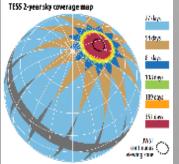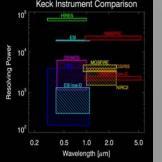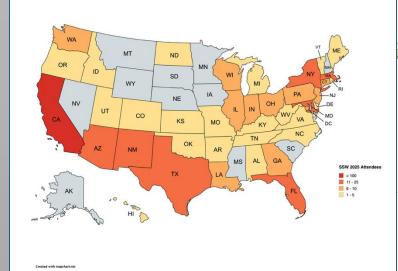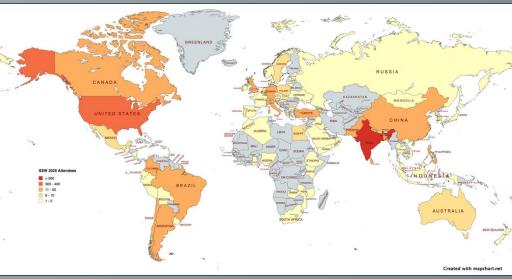| Sagan Program & Community Support	Exoplanet Archive & ExoFOP	Long Term Archives	Keck Operations & Archive	EPRV (NEID/NN-Explore)

2025 Sagan Summer Workshop
A Silver Jubilee!

- The Sagan Program is part of NASA's Exoplanet Exploration Program (ExEP), one of three science themed programs at NASA (incl. Cosmic Origins & Physics of the Cosmos)
  - The primary goal of ExEP missions is to discover and characterize planetary systems and ultimately to identify biosignatures on Earth-like planets orbiting nearby stars
- This year's Workshop has 1,500+ registrants from 40 US states and 74 countries

Sagan 2025: Exoplanet Demographics

The Organizing Committees

Science Organizing Committee

- Alan Boss, Co-Chair (Carnegie Science/EPL)

- Courtney Dressing, Co-Chair (UC Berkeley)

- Chas Beichman (Caltech/IPAC-NExScI)

- Sarah Dodson-Robinson (University of Delaware)

- Debra Fischer (Yale University)

- Scott Gaudi (Ohio State University)

- Todd Henry (Geogia State University)

- Eve Lee (UCSD)

- Eric Nielsen (New Mexico State University)

- Leslie Rogers (University of Chicago)

- Jason Rowe (Bishop's University)

Local Organizing Committee

- Frank Aragon

- Tracy Chen

- Catherine Clark

- Megan Crane

- Elise Furlan

- Sean Kindt

- Melanie Swain

Thank you!

SSW Code of Conduct

- The organizers are committed to making this meeting a productive, inclusive, and welcoming environment for everyone—regardless of gender, sexual orientation, disability, physical appearance, body size, race, nationality, or religion.

- Please follow these guidelines:
    - Conduct yourself professionally.
    - Use respectful and appropriate language for a professional audience.
    - Be kind and respectful. Critique ideas, not individuals.
    - If you wish to share photos or content from talks/slides on social media, please obtain permission from the speaker or subject first.

- If you experience or witness any form of harassment, please report it by:
    - Emailing nexsci_sa@ipac.caltech.edu, or
    - Speaking with a workshop organizer (look for blue lanyards)

We will not tolerate harassment of participants in any form.
- Participants are expected to immediately comply if asked to stop any inappropriate behavior. Attendees who violate these rules may be asked to leave the event at the sole discretion of the organizers.

Presentations

- PDFs of all submitted presentations — including pop talks — will be posted on the SSW website and updated throughout the week.

- Recordings will be available on the Sagan Workshop YouTube channel by the end of next week (most are typically uploaded within 24 hours).

- Talks (look for iPad timer at the front of the room)
  - 45 min talks: 35 min (5 min, 2 min) + 10 min for Q&A
  - 30 min talks: 25 min (5 min, 2 min) + 5 min for Q&A

- All in-person talks must be presented from the designated presentation laptop.

- Please upload and test your presentation no later than the break before your talk.

Thank you, speakers!

Hands-On Activities - Schedule

- Tuesday: I. Exoplanet Occurrence Rates

- Wednesday: II. Distant Giant Planets with Astrometry

- Thursday: Group Projects
  - Each hands-on session offers 3 group project options — choose one to work on collaboratively
  - Group sign-up sheet available (link in the #group-projects Slack channel)

- Friday: Group Project Presentations
  - Informal presentations: 5–10 minutes per group

Thank you!

The hands-on sessions would not have been possible without the dedicated support of:

▶ Ilaria Pascucci (Arizona/LPL), Galen Bergsten (Arizona/LPL), Gijs Mulders (Pontificia Universidad Católica de Chile)

▶ Brendan Bowler (UCSB), Tim Brandt (STScI), Rocio Kiman (Caltech/NExScI), and Kyle Franson (UT Austin)

▶ Melanie Swain (Caltech/NExScI) and Elise Furlan (Caltech/NExScI)

▶ All the hands-on session helpers (look for orange lanyards)

Hands-On Activities

- Open to everyone – all skill levels welcome!
  - We encourage everyone to participate in all the hands-on sessions and in the group projects!
  - Remote attendees can choose to do the hand-on activities live or on their own time
  - Use the #hands-on-session-i, #hands-on-session-ii, #group-projects channels on Slack to ask questions
- Activities will use Google Colaboratory (Colab) notebooks
  - Runs in your browser using Google Drive
  - Requires a Google account with at least ~5 GB of free space
  - If needed, create a new free account (comes with 15 GB of storage)
- Experienced Python users can also download the notebooks and run them locally as Jupyter notebooks
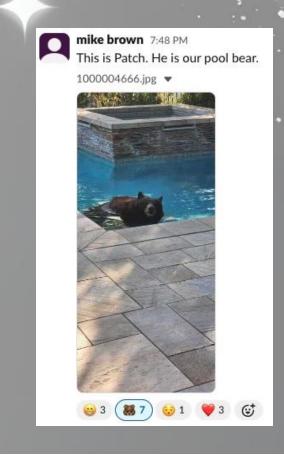- Visit the SSW website for detailed instructions
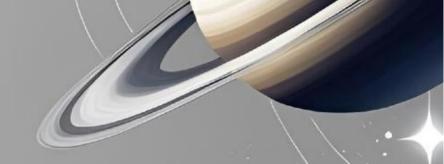
Interactive Features

- In-person Lunch with Speakers
  - Join an informal lunch with a speaker and up to 15 attendees
  - Sign-up link in the workshop emails and on the "Workshop Logistics" canvas in the #general Slack channel

- Posters
  - All posters are available on the workshop website
  - In-person poster sessions: Monday & Wednesday
  - Remote attendees are encouraged to use the #posters-and-pops Slack channel for poster Q&As

- Slack workspace
  - Invitation sent via workshop emails
  - Designated channels for talks, posters, hands-on sessions and more
    (e.g., #careers, #pets, ...)

Venues: Baxter Lecture Hall

- All presentations will be held here

- No food or drink allowed (water is okay)

- Room is unlocked during the day — do not leave valuables unattended; locked after 6 PM

- Power outlets and strips are available on the floor in select rows

- Please enter and exit through the back of the room

- Restrooms are located one level down via the stairs at the back of the hall

- If you require elevator access, please contact the organizers.
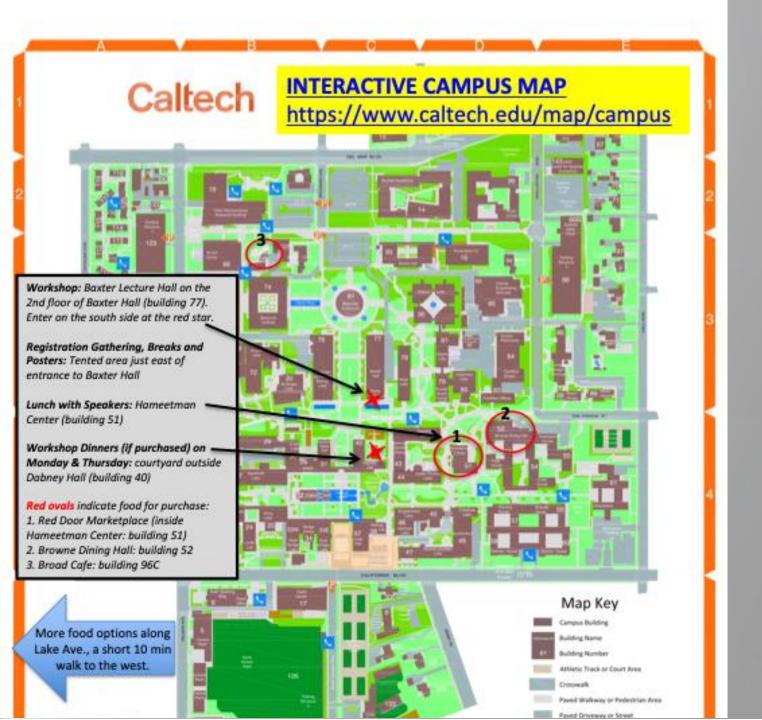
Workshop Wi-Fi
EDUROAM: Log in with your home institution credentials
Caltech Visitor Network: Registration using a cell phone is required

Other Campus Venues

- Outside Tent
  - Coffee, tea, and snacks provided during breaks — courtesy of the Heising-Simons Foundation
  - Posters on display all week; dedicated sessions on Monday & Wednesday
  - Please remove posters by Friday 3 PM if you'd like to keep them
  - Box lunches available for pickup here (check the back of your name badge for your order)
- Hameetman Center (2nd Floor Multipurpose Room)
  - Join the speakers for lunch!
  - If you pre-purchased lunch, pick it up in the tent before heading over
- Dabney Garden
  - Workshop dinners on Monday & Thursday
  - Dinner must be pre-purchased (see back of name badge for confirmation)

Campus Map

📍 Pick up a PDF copy at the registration desk

Participation Guidelines

- For In-Person Attendees:
  - Please silence your cell phones and laptops

- For Remote Attendees:
  - You will join as a Zoom Webinar Attendee unless you are speaking or chairing
  - Your video and microphone will be disabled
  - Speakers cannot see or hear attendees

- Zoom Q&A is disabled
  - Please use the daily talk channels in Slack (#talks-monday, #talks-tuesday, ...) to ask questions
  - Speakers are encouraged to check the Slack channel after their talk and respond to any unanswered questions

General Courtesy
- Please do not attend in person if you're feeling unwell
- Masks are available at the registration desk if needed

Final Steps: Photo, Letters, and Survey

- Group photo – Wednesday at noon (for in-person attendees)
- Submit a headshot for our class picture (for our remote attendees)
  - Upload via the web form (link on our website)
  - Deadline: August 17
  - Final class photo will be posted in September

- Letter of Attendance
  - Request via the web form (link on our website)
  - Deadline: August 17

    Letters will be sent by mid-September
- Workshop Survey

    Complete via the form on our website

    Please submit by August 17