



Astronomy Camp

1988–2011

Astronomy Camp promotes an authentic understanding of science, research, and engineering among young students and adults by providing unique, hands-on adventures in scientific exploration via astronomy and related subjects.

Background

The Camps provide residential, “immersion” experiences at major astronomical observatories. Web site (<http://www.astronomycamp.org>) presents dates, publications, student-awards, Alumni...

The Education Team

Faculty, researchers, educators, graduate students, and undergraduates from around the world
These dedicated individuals provide positive mentoring during and after Camp.
Student-staff ratio ~3:1

“Sky Island” Locations

Catalina Observatories on Mt. Lemmon and Mt. Bigelow
Mt. Graham International Observatory
Kitt Peak National Observatory

Financial

Self-sufficient: Supported via tuition and donations
Need-based scholarships funded by donations

Collaborating Research Groups & Facilities

Arizona Radio Observatory, Dudley Observatory, Large Binocular Telescope, National Optical Astronomy Observatories, NIRCam for NASA’s JWST, Steward Observatory Mirror Lab

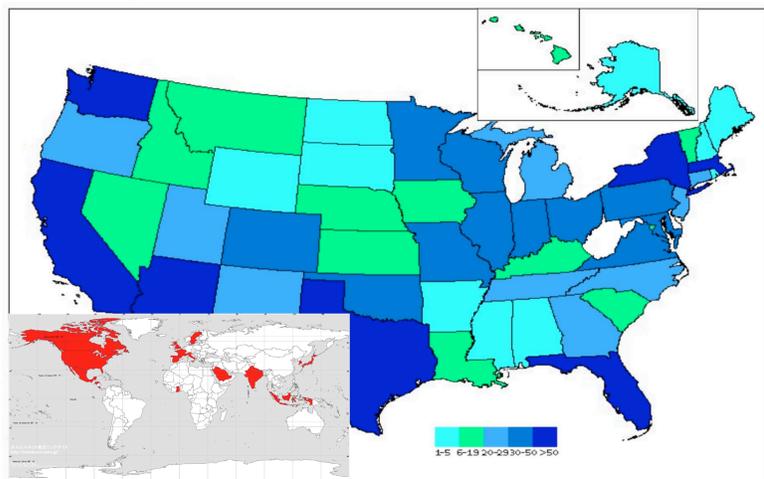
Contact

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Sponsored by The University of Arizona Alumni Association

2,613 Astronomy Camp Alumni (48 states, Guam, & 19 countries)

Canada, Costa Rica, England, France,
Ghana, Honduras, India, Indonesia, Italy,
Japan, Nepal, Mexico, Puerto Rico, Saudi
Arabia, Singapore, South Korea, Spain,
Sweden, U.S.

Check the Camp's Web site to learn about
our alumni and what they've
accomplished.



Census of 2,613 Campers:

Teen

- 661 men, 604 women
- 651 Beginning, 614 Advanced

Adult

- 553 men, 244 women
- 374 Beginning, 270 Advanced, 153 Educators

School

- 366 students, teachers, and parents
- Elementary, middle, and high schools in AZ, CO, MI, WA
- Tecnológico de Monterrey school (Hermosillo, Méx)
- Pima Community College
- Univ. Arizona programs: Honor's Center, Flinn Scholars, etc.

Girl Scout leaders

- 185 adults from 39 states and 2 countries
- Providing STEM education for the James Webb Space Telescope

Staff Counselors:

- 83 from around the world: 33 men and 50 women
- 34 former Campers: undergraduate & graduate students, educators, adults
- Univ. Arizona students: undergraduate (13), graduate (31)

Benefits to the Nation:

- Leaders in public-oriented, research-based teaching of science & math
- Inspiring students, adults, teachers to continue science & math education
 - 10 astronomy MS/PhD (10 in progress); 30 advanced degrees in other fields
- Improving scientific & quantitative literacy in both formal & informal settings
 - Former Campers are K-12/adult educators in inner cities, museums, etc.
- Facilitating educational research on informal science education

Primary Benefits to Arizona's Three Universities:

- International recruitment of gifted and talented students (grad, undergrad)
- Broad-based education training for graduate students & postdocs
- Community relations and publicity

Additional Benefits to The University of Arizona:

- Equipment used in undergraduate general education courses
- Camp alumni: 60 undergraduate and 2 graduate students
 - 23 double majors in Astronomy & Physics/Math
 - Leadership roles: Labs, observatories, planetarium, dorm advisors, ROTC, etc.
- Raised funds for:
 - NIRCcam instrument and education on NASA's James Webb Space Telescope
 - NSF CAREER grants for young faculty
 - Mt. Lemmon: SkyCenter & research facilities of the Catalina Sky Survey