

# CHRISTY B. TILL

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## INTERESTS

Magma Genesis; Volcano Science; Exoplanet Interiors; Diversity, Equity & Inclusion in STEM

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## EDUCATION

- 2011 Ph.D. in Geochemistry/Geology (Advisor: T.L. Grove)  
Massachusetts Institute of Technology
- 2005 M.S. in Geological Sciences (Advisors: P. Gans & F. Spera)  
University of California, Santa Barbara
- 2004 B.S. in Geological Sciences (Highest Honors)  
University of California, Santa Barbara

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## PROFESSIONAL EXPERIENCE

- 2020-present *Associate Professor, School of Earth & Space Exploration*  
Arizona State University
- 2020-2021 *Associate Director for Inclusive Community*  
Arizona State University
- Leadership position to facilitate and incentivize equity & inclusion work across the School of Earth & Space Exploration
  - Chair of JEDI Task Force & led development of Inclusive Community Strategic Plan
- 2014-2020 *Assistant Professor, School of Earth & Space Exploration*  
Arizona State University
- 2012-2013 *Mendenhall Postdoctoral Scholar, Volcano Science Center*  
US Geological Survey & Stanford University
- 2005 *Forest Geologist, Los Padres National Forest*  
US Forest Service

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## SELECT AWARDS, HONORS & FELLOWSHIPS

- 2024 American Geophysical Union (AGU), Volcanology, Geochemistry & Petrology Section's Daly Lecture
- 2021-2023 AGU LANDInG Fellow (*AGU's DEI Leadership Academy*)
- 2019 Early Career Award, Geological Society of America, Mineralogy, Geochemistry, Volcanology & Petrology Division
- 2019-2020 Secretary (*elected*), AGU VGP Section
- 2017 ASU School of Earth & Space Exploration Best Graduate Professor
- 2017 NSF Faculty Early Career (CAREER) grant recipient
- 2016 Kavli Frontiers of Science Fellow, National Academy of Sciences
- 2014 AGU Trailblazer Award (*1st early career elected to AGU leadership 2008-2014*)

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## PUBLICATIONS

40 Peer-Reviewed + 6 Additional Publications (15 led by mentees); >105 Conference Abstracts; >2300 citations

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## GRANTS

>\$2.75M from national funding agencies (NSF, NASA) since 2014

## TEACHING

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>10 years of university teaching experience offering 100 - 400 level undergraduate and graduate courses, with course sizes from 15 to ~500 students.

## MENTORSHIP TO DATE

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10 Undergraduate Students; 6 PhD Students; 7 Postdoctoral Fellows; Primary Advisor for 8 Additional Doctoral Chapters; and 20 Graduate Committees (includes 22 women and 8 persons excluded due to race or ethnicity).

## SELECT PROFESSIONAL SERVICE

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### I. Example Service to Professional Societies and Organizations

- 2024-present National Volcano Early Warning System (NVEWS) Science Advisory Committee  
2018-2022 SZ4D Research Coordination Network, Steering Committee Member & Co-Chair of 'Magmatic Drivers of Eruption' & 'Building Equity & Capacity in the Geosciences' Working Groups (*to propose new NSF program focused on subduction zone hazard-related science*)  
2019-2020 American Geophysical Union, Volcanology, Geochemistry and Petrology Secretary  
2014 Chair, American Geophysical Union Scientific Trends Task Force  
2013-2014 Vice Chair of American Geophysical Union Council (*elected, 1<sup>st</sup> early career member to hold position in history of organization*)  
2012-2014 AGU Council Leadership Team (*elected*)  
2010-2014 American Geophysical Union Council (*elected, two successive terms*)

### II. Example Editorial Service

- 2023-present Associate Editor, Contributions to Mineralogy & Petrology  
2017-2020 Associate Editor, American Mineralogist

### III. Example Outreach & Media Appearances

- ◇ **National Geographic "X-Ray Earth" Series** - featured scientist in the "Volcano Apocalypse" episode discussing our research at Yellowstone volcano (2020)  
<https://www.natgeotv.com/za/shows/natgeo/x-ray-earth>
- ◇ [Scientific American article](#) discussing our Yellowstone research (2018)
- ◇ Appeared on [AZ PBS "Horizon" to discuss Yellowstone Research](#) (2017)
- ◇ [New York Times article on our Yellowstone research](#) & associated coverage ([Snopes](#), [Time](#), [USA Today](#), [Newsweek](#), [Fox News](#)) (2017)

### IV. Example Activities to Promote PEERs (persons excluded due to ethnicity or race) in STEM

- 2024-present **Chair School of Earth & Space Exploration's Inclusive Community Committee**  
2022-present **SEQEL Project PI** – ASU project studying use of rubrics in graduate qualifying exams  
2021-2023 **AGU LANDInG Fellow** - DEI Leadership Academy (*inaugural cohort*), chosen as 1 of 12 from across AGU  
2020-2021 **PI JEDI Seed Grant** (ASU College of Liberal Arts & Sciences) - *to create in-house bystander intervention training*  
2019-2021 **Facilitator ADVANCEGeo Workshops** – *Led ~10 bystander intervention and/or code of conduct workshops for the ADVANCEGeo program*  
2014-2020 **Sundial Summer Bridge Program Faculty Participant** - *Program to entrain and retain PEERs in STEM majors at ASU*

### V. Professional Society Membership (year joined in parentheses)

Geological Society of America (2003) • American Geophysical Union (2005) • Mineralogical Society of America (2006) • Earth Science Women's Network (2010) • National Association of Geoscience Teachers (2013) • Geochemical Society (2014)