

# Nathan J. McGregor

University of California, Santa Cruz  
Earth and Planetary Sciences  
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Pronouns: he/him

## Education

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### **University of California, Santa Cruz**

Ph.D., Planetary Science, 2021-

### **Boise State University**

B.S., Physics and Astrophysics, 2021

B.A., Political Science, 2012

## Research

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### **University of California, Santa Cruz, Earth and Planetary Sciences**

Graduate Student Researcher, 2021-

Advisors: Profs. Francis Nimmo and Myriam Telus

### **Boise State University, Physics**

Undergraduate Student Researcher, 2011-2012 & 2019-2021

Advisor: Prof. Daryl Macomb

### **University of Hawai'i at Mānoa, Oceanography**

Undergraduate Student Researcher, 2012-2013

Advisor: Prof. Angelos Hannides

## Teaching

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### **University of California, Santa Cruz, Earth and Planetary Sciences**

Teaching Assistant, 2022-

### **Boise State University, Physics**

Teaching Assistant, 2019-2021

Lab Instructor, 2019-2021

### **Boise State University, Mathematics**

Teaching Assistant, 2011-2012 & 2013

## Funding (Total: \$17,850)

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Inclusive Leadership Fellowship, 2020-2021 (\$8,850)

Higher Education Research Council Fellowship, 2020 (\$3,000)

Social Impact Fellowship, 2014 (\$4,000)

Student Research Initiative Fellowship, 2014 (\$2,000)

## Conference Abstracts

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**McGregor, N. J.**, Nimmo, F., Gillmann, C., Golabek, G., Plattner, A. & Conrad, J. W. (2023). Constraining Venus' Convection Regime using Baltis Vallis Topography. Lunar and Planetary Science Conference.

Calderon, T., Jorge-Chavez, F., **McGregor, N. J.**, & Telus, M. (2022). Investigating Mn Rims of Chondrule Meteorites. UC Santa Cruz Research Experiences for Undergraduates Program

on Sustainable Materials.

**McGregor, N. J.** & Macomb, D. (2020). Photometric Monitoring of MRK 501: A Model for Measuring the Optical Variability of BL Lacs. Idaho Conference on Undergraduate Research, #131.

**McGregor, N. J.** & Macomb, D. (2020). Photometric Monitoring of MRK 501: A Model for Measuring the Optical Variability of BL Lacs. Boise State University Research Showcase, #119.

**McGregor, N. J.** & Macomb, D. (2012). Identifying X-Ray Sources in Local Group Galaxies Using Fourier Analysis of Time Series Data. Boise State University Undergraduate Research and Scholarship Conference, #22.

## Seminars, Panels, and Public Lectures

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2022 Oct: Motivating Queer Youth in STEM, Central California Queer Youth Summit

2022 Jun: Graduate Student Panel, Idaho Conference on Undergraduate Research

2021 Jul: OSIRIS-REx Mission, Boise State University

2021 Jun: Lunar Eclipses, Boise State University

## Professional Activities

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NASA Proposal Review Panel, 2022

NASA Proposal Writing and Evaluation Experience Academy, 2020

## DEI and Outreach

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Queer Youth Task Force & Safe Schools Project of Santa Cruz County, STEM & Adult Ally Coordinator, 2022-

Committee on Affirmative Action and Diversity, Graduate Student Representative, UC Santa Cruz Academic Senate, 2022-

Diversity, Equity, and Inclusion Committee, Committee Member, UC Santa Cruz Earth & Planetary Sciences Department, 2021-

Geoscientists Encouraging Openness and Diversity in the Earth Sciences, Leadership Board, UC Santa Cruz Earth & Planetary Sciences Department, 2021-

STEM Camp, Volunteer, Sacajawea Elementary School, 2021

STEM Camp, Volunteer, Caldwell High School, 2021

Third Thursday Astronomy Series, Volunteer, Boise State University Department of Physics, 2021

Idaho Legislature, Technology Specialist, 2020

Idaho State Correctional Institution, Volunteer, 2020

First Friday Astronomy Series, Volunteer, Boise State University Department of Physics, 2019-2021

American Civil Liberties Union of Idaho, Intern, 2010

Idaho Innocence Project, Volunteer, 2010

United States Senate, Constituent Services Intern, 2006-2007

United States Senate, Page, 2006

Faulkner Planetarium, Science Camp Leader, 2004-2005