

Brittany E. Miles

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Education

2019 – present	PhD, Astronomy & Astrophysics, University of California, Santa Cruz
2016 – 2018	M.S, Astronomy & Astrophysics, University of California, Santa Cruz
2011 – 2016	B.S., Physics, Geophysics and Planetary Physics Minor

Fellowships

Current	NSF Graduate Research Fellowship
Current	Eugene Cota-Robles Graduate Fellowship
2016	UCSC Regents Graduate Fellowship
2016, 2017	National Association of University Women Graduate Fellowship
2016	Other Worlds Laboratory Graduate Fellowship
2015, 2016	Initiative for Maximizing Student Development Scholar
2015	CARE Fellow
2014	CARE Scholar
2011 – 2015	UCLA Black Alumni Winston C. Doby Legacy Scholar

Awards and Honors

2020 Barbara Walker Best Paper Award
2018 UCSC Astronomy Department Whitford Prize
2018 Osterbrock Mini-Grant: Supporting Underrepresented Womxn-Identified Students on Their Path to Graduate School, \$3900
Dean's Honor List (Winter 2015, Spring 2015, Winter 2016)

First Author Publications

Miles, B. E., Skemer, A. J. I., Morley, C. V., Marley, M. S., Fortney, J.J. , Allers, K.N., Faherty, J. K., Geballe, T. R., Visscher, C., Schneider, A. C., Lupu, R., Freedman, R. S. , Bjoraker, G. L. (2020) "Observations of Disequilibrium CO Chemistry in the Coldest Brown Dwarfs" *AJ*, 160, 63

Miles, B. E., Skemer, A. J., Barman T. S., Allers, K. N., Stone, J. M. (2018) "Methane in Analogs of Young, Directly Imaged Exoplanets", *ApJ*, 869, 18

Miles, B. E., & Shkolnik, E. L. (2017). "HAZMAT II: Ultraviolet Variability of Low-Mass Stars in the GALEX Archive", *AJ*, 154, 67

Miles, B. E., Roberge, A., & Welsh, B. (2016). "UV Spectroscopy of Star-Grazing Comets Within the 49 Ceti Debris Disk.", *ApJ*, 824, 126

Talks

- Dec 2020 Atmospheric Mixing in Cool Exoplanet Analogs
Exoplanet Talk Seminar
The Ohio State University
- Dec 2020 Atmospheric Mixing in Cool Exoplanet Analogs
Planetary Science Seminar
UC Berkeley and UCLA
- Dec 2020 Atmospheric Mixing in Cool Exoplanet Analogs
Planetary Science Seminar
California Institute of Technology
- Oct 2020 Testing a 13 μ m cutoff HgCdTe Detector for Ground Based Astronomy
Network of Young Researchers in Instrumentation for Astronomy
- Aug 2020 Atmospheric Mixing in Cool Exoplanet Analogs
Star, Planets, and Formation Summer Speaker Series
University of Michigan
- Aug 2020 Atmospheric Mixing in Cool Exoplanet Analogs
Exoplanet Journal Club, JPL
- Jun 2020 M-band Observations of the Coldest Brown Dwarfs
ExoPAG 22
- Feb 2020 Disequilibrium CO Chemistry in the Coldest Brown Dwarfs
Exo Update, UT Austin
- Oct 2019 Non-Equilibrium CO Chemistry in the Coldest Brown Dwarfs
BDEXOCON
- Sept 2019 Non-Equilibrium CO Chemistry in the Coldest Brown Dwarfs
Bay Area Exoplanet Science Meeting
- Sept 2018 Methane in Analogs of Young Directly Imaged Exoplanets
Keck Science Meeting
- Mar 2017 HAZMAT II: UV Variability of M Dwarfs in the GALEX Archive
Bay Area Exoplanet Science Meeting
- Apr 2016 Measuring the Ultraviolet Variability of M Dwarfs with GALEX
LA Basin Earth and Planetary Sciences Student Research Symposium

Jan 2016 Measuring the Ultraviolet Variability of M Dwarfs with GALEX
227th American Astronomical Society Meeting

July 2014 HST STIS Data of the 49 Ceti Debris Disk
National Capitol Area Disks Meeting 5, Carnegie DTM

Teaching Experience

Spring 2020 TA - ASTR 3 Introductory Astronomy: Planetary Systems

Spring 2019 TA - ASTR 9 Introduction to Research in Physics and Astrophysics

Observing Experience

Keck Observatory: NIRSPEC (4 nights), NIRES (2 nights)

Gemini Observatory: GNIRS, 2018B (PI, 2 hours), 2016B and 2017A (50 queue mode hours)