Stephanie T. Douglas

Department of Astronomy
550 West 120th Street, MC 5246
New York, NY, 10027

phone: +1 301 252 1352
stephanietdouglas@gmail.com
http://stephtdouglas.github.io

Education

Columbia University
Ph.D. in Astronomy 2017
M.A., M.Phil. in Astronomy 2014

Franklin & Marshall College
B.A. in Astrophysics 2012

First-author Publications

Poking the Beehive from Space: K2 Rotation Periods for Praesepe. **Douglas**, Agüeros, Covey, Kraus, *ApJ* 842, 2

K2 Rotation Periods for Low-mass Hyads and the Implications for Gyrochronology. **Douglas**, Agüeros, Covey, Cargile, Barclay, Cody, Howell, Kopytova, *ApJ*, 822, 1

The Factory and the Beehive II: Activity and Rotation in Praesepe and the Hyades. **Douglas**, Agüeros, Covey, Bowsher, Bochanski, Cargile, Kraus, Law, Lemonias, Arce, Fierroz, Kundert, 2014, *ApJ*, 795, 161

Co-authored Publications

A low-mass eclipsing binary in Praesepe observed by PTF and K2. Kraus, **Douglas**, Mann, Agüeros, Covey, Law, Feiden, Rizzuto, Howard, Isaacson, Gaidos, Torres, Bakos, *AAS* submitted.

The Role of Gender in Asking Questions at Cool Stars 18 and 19. Schmidt, **Douglas**, Gosnell, Muirhead, Booth, Davenport, Mace, *Proceedings of the 19th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun.*

Demonstrating the Existence of Sub-micron size dust grains in the Atmospheres of Red L Dwarfs. Hiranaka, Cruz, Marley, **Douglas**, & Baldassare, 2016, *ApJ*, 830, 9

Linking Stellar Coronal Activity and Rotation at 500 Myr: A Deep Chandra Observation of M37. Núñez, Agüeros, Covey, Hartman, Kraus, Bowsher, **Douglas**, López-Morales, Pooley, Posselt, Saar, West, 2015, *ApJ*, 809, 161

Grants and Fellowships

NASA Keck PI Data Award (PI)	2017
NSF Astronomy and Astrophysics Postdoctoral Fellowship	2017
NASA *K2* Guest Observer – Cycle 5 (Co-I)	2017
NASA *K2* Guest Observer – Cycle 4 (Science PI)	2016
Sigma Xi Grant-in-aid of Research (PI)	2015
NSF Graduate Research Fellowship, Honorable Mention	2013
Claire Booth Luce Scholarship (F&M)	2010

Talks

Open Clusters as Laboratories for Stellar Spin-down and Magnetic Activity Decay

Seminar, Carnegie Institution: Dept. of Terrestrial Magnetism	2017
Seminar, Massachusetts Institute for Technology	2016
Invited Seminar, Harvard-Smithsonian Center for Astrophysics	2016

Rotation & Activity in the Hyades (and Praesepe): Implications for Gyrochronology

Colloquium, Western Washington University	2016
Seminar, University of Washington	2016

A Tale of Two Clusters: Activity and Rotation in Praesepe and the Hyades

Seminar, Harvard-Smithsonian Center for Astrophysics	2015
Seminar, NASA Ames Research Center	2015

Recent Conference Presentations

Open Clusters as Laboratories for Stellar Spin-down and Magnetic Activity Decay — 2017
Dissertation Talk, AAS 229

Testing the Rotation-Activity Relation with the Hyades and Praesepe — 2016
Contributed Splinter Session Talk, Cool Stars 19

K2 Rotation Periods for Low-Mass Hyads and the Implications for Gyrochronology — 2016
Poster, Cool Stars 19

An Inquiry-Based Lesson in Programming Practices — 2016
Contributed talk, Python in Astronomy

Rotation in Fully Convective Hyades Stars — 2015
Contributed talk, K2 Science Conference

Understanding Cloudy Atmospheres: Brown Dwarfs as Exoplanet Analogs — 2015
Contributed Talk, Bay Area Exoplanet Science Meeting

Rotation and Activity in Praesepe and the Hyades — 2015
Poster, AAS 227

Teaching Experience

Stars, Galaxies, & Cosmology (lab) Fall 2013, Spring 2014, Spring 2015

Earth, Moon, & Planets (lab) Fall 2014

Earth, Moon, & Planets (TA) Fall 2012

Professional Development

ISEE Professional Development Program 2015
Institute for Scientist and Engineer Educators

Lead Teaching Fellow 2015/2016
Center for Teaching and Learning, Columbia University

Outreach

How to Reboot a Telescope (*Kepler/K2*) 2015
Astronomy on Tap, Nov 19

Mind the Gap Between Stars and Planets 2014
Astronomy on Tap, Aug 14

Flares, Fields, and Finding Life 2014
Columbia University Public Astronomy, May 23

Made of Stardust 2013
Sunday Assembly NYC, Dec 1

Lecture facilitator and stargazing volunteer 2012-Present
Columbia University Public Astronomy

Telescope Time Awarded

Keck II (NIRC2-LGS) 2017
PI: 1 night (NASA)

WIYN 3.5m (Hydra) 2016–2017
PI: 4 nights, Co-I: 4 nights (NN-EXPLORE)

VLA 2017
Co-I: 41 hours in Priority B

Kepler/K2 2014, 2016–2017
Science-PI: 139 long-cadence targets awarded
Co-I: 1244 long-cadence targets awarded

MDM 2.4m (ModSpec) 2014–2017
PI: 61 nights, Co-I: 7 nights

XMM-Newton (EPIC) 2014, 2015
Co-I: 522 ks in Category B, 412 ks in Category C

Swift (XRT) 2015
Co-I: 63 ks of fill-in time

Spitzer (IRAC) 2015
Co-I: 33 hours in Priority 1

MMT (Hectospec) 2015
Co-I: 1 night

	IRTF (SpeX) Co-I: 1.5 nights	2012
Additional Observing Experience	*IRTF (SpeX)* 1 night	2015
	Magellan (FIRE, FourStar) 3 nights	2014
	MDM 2.4m (ModSpec) 5 nights	2012
	NURO/Lowell 31" (NASACam) 5 nights	2010

References

Marcel Agüeros
Columbia University, Department of Astronomy
550 West 120th Street, Mail Code 5246
New York, NY, 10027
(212) 854 6814, marcel@astro.columbia.edu

Kelle Cruz
CUNY Hunter College/American Museum of Natural History
Central Park West at 79th Street
New York, NY, 10024
(917) 725 1334, kellecruz@gmail.com

Steve B. Howell
NASA Ames Research Center
PO Box 1, M/S 244-30
Moffett Field, CA 94035
(650) 604 4238, steve.b.howell@nasa.gov

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