Stephanie T. Douglas

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Education

Ph.D., Columbia University (expected) 2017
Department of Astronomy

M.A., M.Phil Columbia University 2014
Department of Astronomy

B.A., Franklin & Marshall College 2012
Department of Physics & Astronomy
summa cum laude

First-author Publications

Poking the Beehive from Space: K2 Rotation Periods for Praesepe. **Douglas**, Agüeros, Covey, Kraus, *ApJ* in press, arxiv.org/abs/1704.04507

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

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 — 2016
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 Institute for Scientist and Engineer Educators	2015
	Lead Teaching Fellow Center for Teaching and Learning, Columbia University	2015/2016
Outreach	*How to Reboot a Telescope* (*Kepler/K2*) Astronomy on Tap, Nov 19	2015
	Mind the Gap Between Stars and Planets Astronomy on Tap, Aug 14	2014
	Flares, Fields, and Finding Life Columbia University Public Astronomy, May 23	2014
	Made of Stardust Sunday Assembly NYC, Dec 1	2013
	Lecture facilitator and stargazing volunteer Columbia University Public Astronomy	2012-Present
Telescope Time Awarded	*VLA* Co-I: 41 hours in Priority B	2017
	Kepler/K2 Science-PI: 139 long-cadence targets awarded Co-I: 1244 long-cadence targets awarded	2014, 2016–2017
	MDM 2.4m (ModSpec) PI/Co-PI: 36 nights, Co-I: 7 nights	2014–2017
	XMM-Newton (EPIC) Co-I: 522 ks in Category B, 412 ks in Category C	2014, 2015
	Swift (XRT) Co-I: 63 ks of fill-in time	2015
	Spitzer (IRAC) Co-I: 33 hours in Priority 1	2015
	MMT (Hectospec) Co-I: 1 night	2015
	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

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