

GRAD MAP

Graduate Resources Advancing Diversity with Maryland Astronomy and Physics



GROWTH

Global Relay of Observatories Watching Transients Happen



UNIVERSITY OF
MARYLAND

Program Goals

- 1. Improve representation of and climate for minorities** in the UMD Physics and Astronomy Programs
- 2. Build a diverse collaborative community** amongst the Physics and Astronomy faculty, graduate students, and undergraduate students at UMD and nearby Minority Serving Institutions (MSIs)
- 3. Provide graduate students mentoring experience** with a diverse group of students and experience developing and implementing a program that improves diversity.

Team Members

Graduate Students

Astronomy

Katie Jameson (7th year)
Zeeve Rogoszinski (2nd year)
Kyle Shepperd (1st year)
Corbin Taylor (3rd year)
Ashlee Wilkins (6th year, Project Lead)

Physics

Neil Anderson (2nd year)
Peter Megson (2nd year)
Lora Price (7th year)
Gareth Roberg-Clark (2nd year)

Faculty/Staff

Astronomy

Suvi Gezari (Asst. Professor)

Physics

James Williams (Asst. Professor)

GRAD-MAP is funded by the Maryland Space Grant Consortium, the NSF PIRE and CAREER programs, and the UMD Departments of Astronomy and Physics.

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Collaborative Seminar Series



- Visits with mid-Atlantic MSIs and Community Colleges
- Research talks by professors
- Discussions on:
 - preparing for grad school
 - grad school life
 - career paths with Ph.D.

Recent Institutions Visited:

Baltimore City Community College, Delaware State University, Howard University, Montgomery College, Morgan State University, Norfolk State University, Prince George's County Community College

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Winter Workshop



10 days at UMD, housing and meals provided
Application and reference letter required

Tutorials on

- scientific computing (Python)
- research techniques
- applying to internships and grad school

Research project with UMD grad student mentor and sponsoring professor

- research presentations on final day

Tours of local labs and facilities

- NIST, APL, NASA/GSFC, GBT

Open to any undergraduate student interesting in potentially pursuing physics/astronomy graduate school!



Spring Symposium



- Facilitated faculty-only discussion focused on student experiences, expectations
- Facilitated student-only discussion focused on community building
- Research talks by physics and astronomy faculty (from UMCP and partner schools)
- Networking/Poster Sessions

Summer Scholars



- Four Winter Workshop alumni come to UMD to work on time-domain astronomy with Suvi Gezari's group
- Pilot cohort of DCA STARS, a URM-focused program out of NASA HQ
- 2016 Cohort:
 - Ian Stringer, Baltimore City Community College (transferring to UMD)
 - Madison Rae Smith, Montgomery College
 - Betsy Hernandez, CUNY Hunter College/AstroCom NYC
 - Tiffany Schoolfield, Montgomery College

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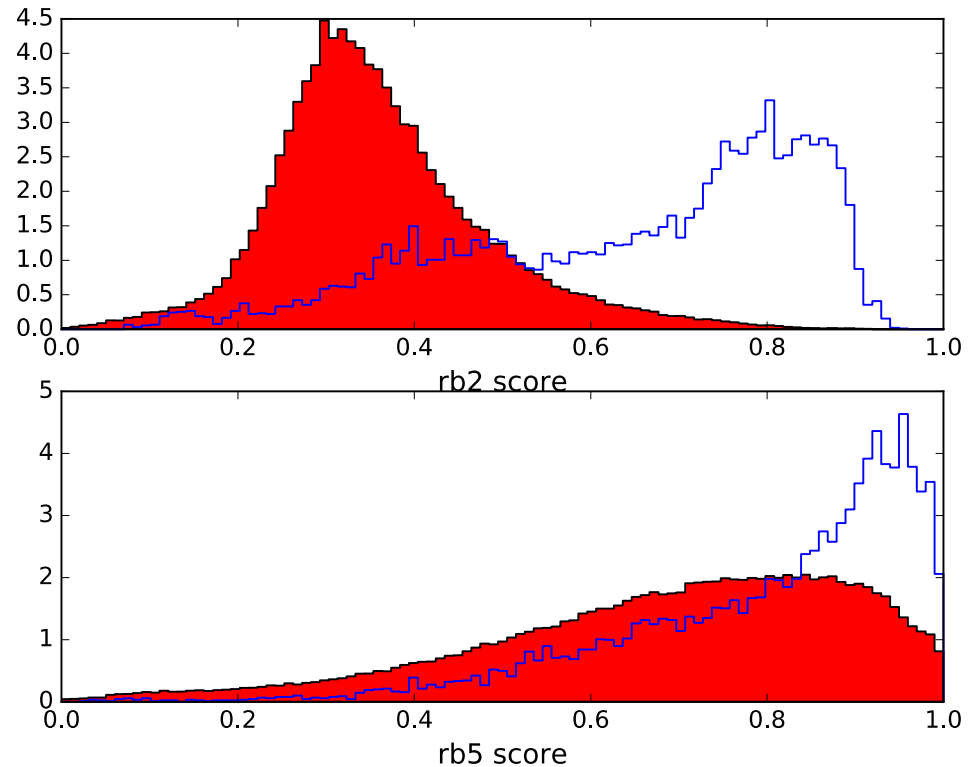
GRADMAP @GRADMAP · Jul 11

Our Summer Scholars & their 1st @LowellObs @Discovery Channel Telescope observing run! #clearskiesfullheartscantlose



tiffany @saltwatertaff_
Hey @GRADMAP

Tiffany Schoolfield and Madison Rae Smith are using a sample of spectroscopically confirmed AGN to test the performance of the IPAC image differencing and detection pipeline on nuclear transients



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The GRAD-MAP crew is at @Nationals par
@NASA night!



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