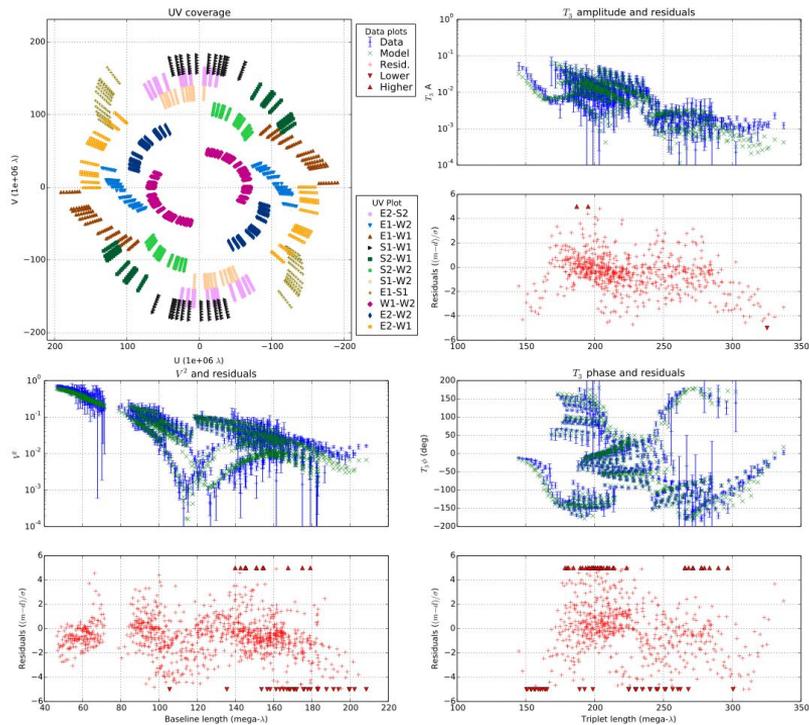




- Lead Investigator: Brian Kloppenborg
- Company specializations:
Data Science, GPU acceleration, Machine Learning



Areas of Interest

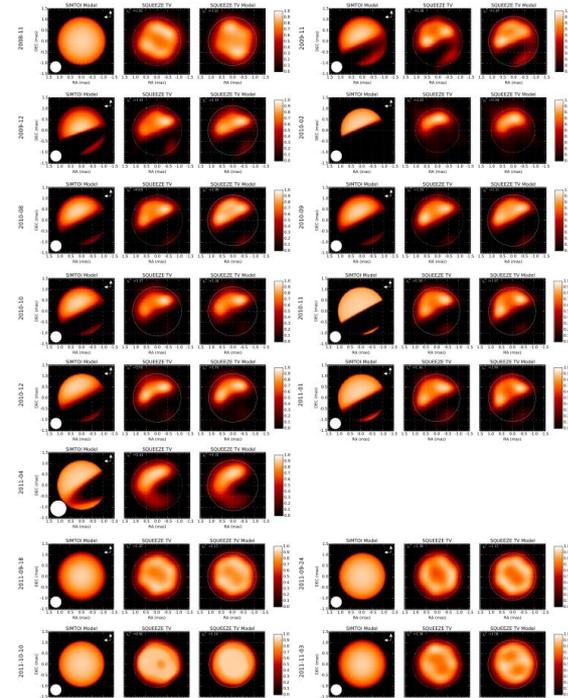


- Image reconstruction
- 5D target modeling
- GPU accelerated data pipelines
- Big Data
- Machine Learning



My capabilities and qualifications

- OI image reconstruction
 - 1st to apply GPUs (Baron and Kloppenborg 2010)
 - 1st to do 5D image reconstruction (Baron, Kloppenborg, Monnier 2012)
- OI Modeling Software “SIMTOI”
 - 5D, GPU accelerated,
 - 300x faster than some competitors
- Work with large data sets
 - Largest OI data set on single object (28,247 UV points, 4500 single night)
 - Current big data project: 155 GB, 80 million data points



From Kloppenborg et al. 2015



Bring me onto your team

Image Reconstruction

Leverage my experience to build fast, resilient, and reliable image reconstruction software

Satellite Modeling

New software to build convex surfaces from OI, photometric, and other data.

Acceleration of Data Pipelines

Increase the speed of your data reduction pipeline to meet required turnaround time.

Application of Machine Learning to Optical Interferometry

Improved fringe tracking, more responsive AO, intelligent data reduction, intelligent image reconstruction.

Simulation Software

Test the feasibility of your solution given realistic observing simulations.



Contact Information

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