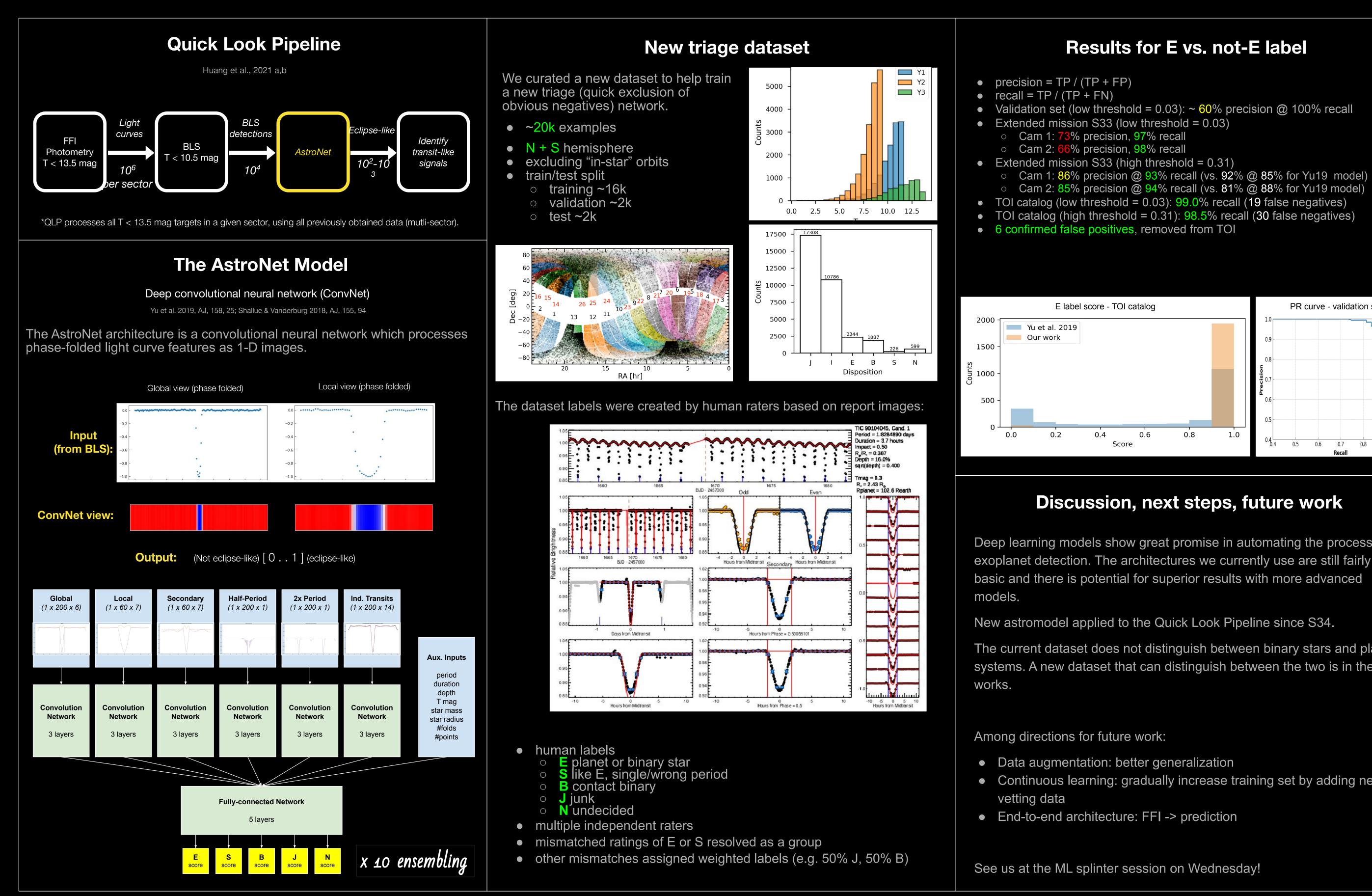


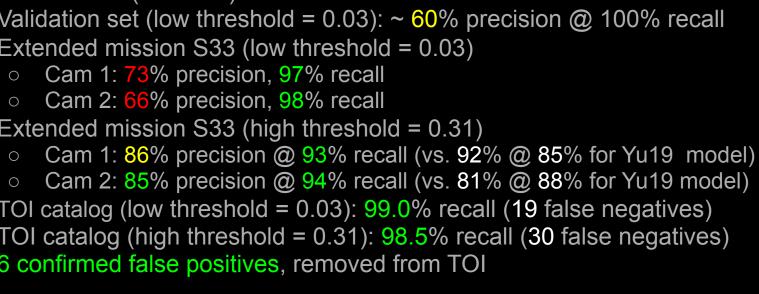
AstroNet for TESS

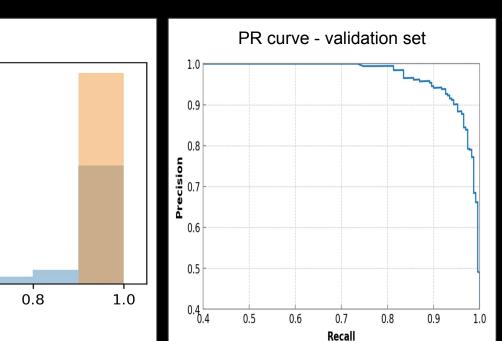
A high-quality dataset and trained model for classifying phase-folded light curves from TESS observations using deep learning

Dan Moldovan (Google), Anne Dattilo (UCSC), Chelsea Huang (MIT ⇒ USQ), Michelle Kunimoto (MIT), Avi Shporer (MIT), Evan Tey (MIT), Andrew Vanderburg (University of Wisconsin-Madison)



Results for E vs. not-E label





Discussion, next steps, future work

Deep learning models show great promise in automating the process of

The current dataset does not distinguish between binary stars and planet systems. A new dataset that can distinguish between the two is in the

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• Continuous learning: gradually increase training set by adding new
```