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Single transit detections in the era of high-precision photometry
Hugh Osborn, Don Pollacco et al. @hugok2

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Outline

- What are Single Transits?
- How we can detect them?
- What we can do with them?
- Results from K2
- The future - NGTS, TESS and Plato

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How we detect transits

- Transit searching done by phase-folding lightcurves.

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Kepler

- Typical precision of 100ppm hr⁻¹
- 4 year mission duration
- 1000 planets. 4000 candidates

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The new era - K2