## MagAO System Basics

## Adaptive Secondary Mirror

Spatial Frequencies Down to ~29cm





6.5m primary 85.1cm ASM 585 actuators 24cm pitch

Pyramid Wavefront Sensor

Faint Guide Star Science



Commissioning 1: Nov-Dec 2012 Commissioning 2: March-April 2013 Available for open use 2014A Follow us at visao.as.arizona.edu

**Comounted Science Cameras** Simultaneous Visible and NIR Imaging

Beam splitte

AO Correction at Visible Wavelengths

Nac A  $\bigcirc$ Early Visible AO Science Results from Magellan: MagAO's Simultaneous **Differential Imaging Mode** 

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