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Adaptive Secondary Mirror

Spatial Frequencies Down to ~29cm

6.5m primary

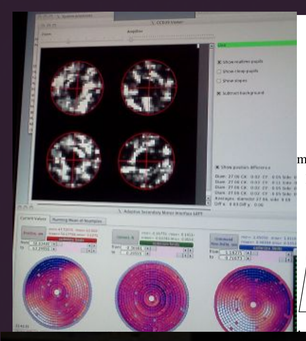
85.1cm ASM

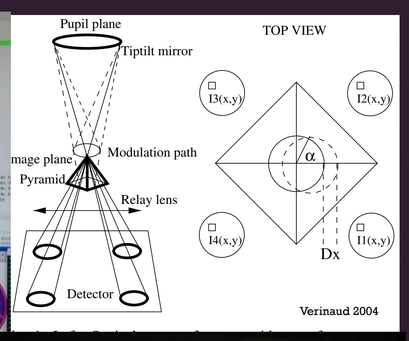
585 actuators

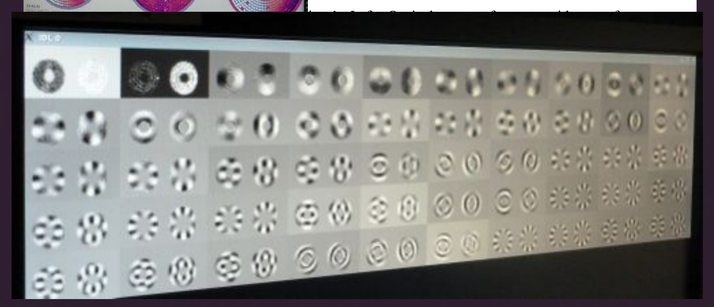
24cm pitch

Pyramid Wavefront Sensor

Faint Guide Star Science

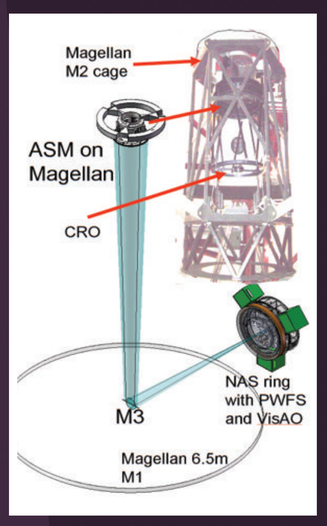


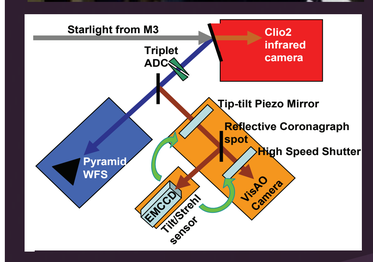




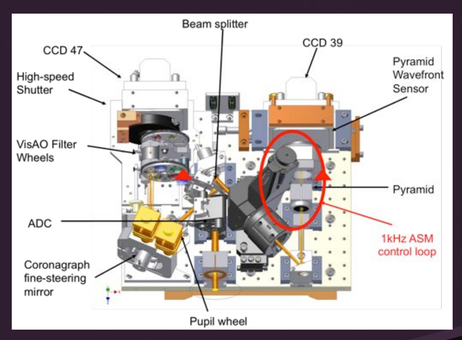
Comounted Science Cameras

Simultaneous Visible and NIR Imaging



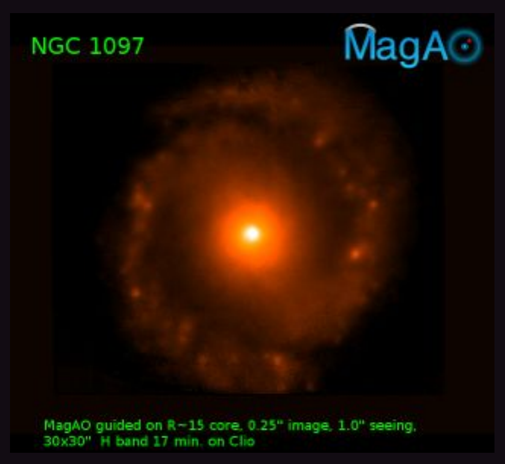


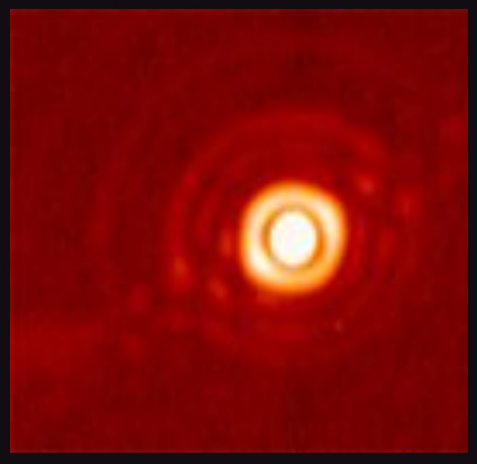
AO Correction at Visible Wavelengths



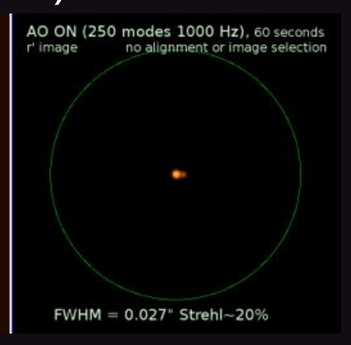
	Bin 1	Bin 2	Bin 3	Bin 4	Bin 5
Maximum number of controlled KL modes	250	100	66	28	21
Maximum Guide Star R magnitude	8.4	12.7	14.2	15.6	16.0

Clio NIR (1-5μm) Performance

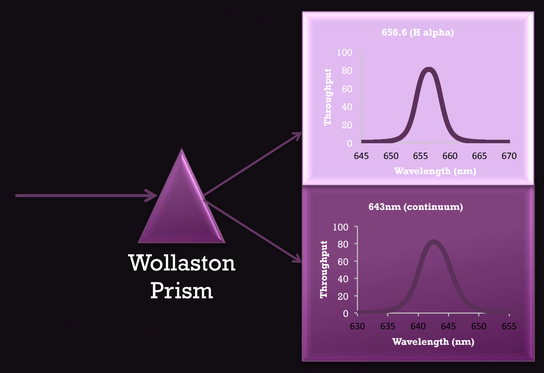




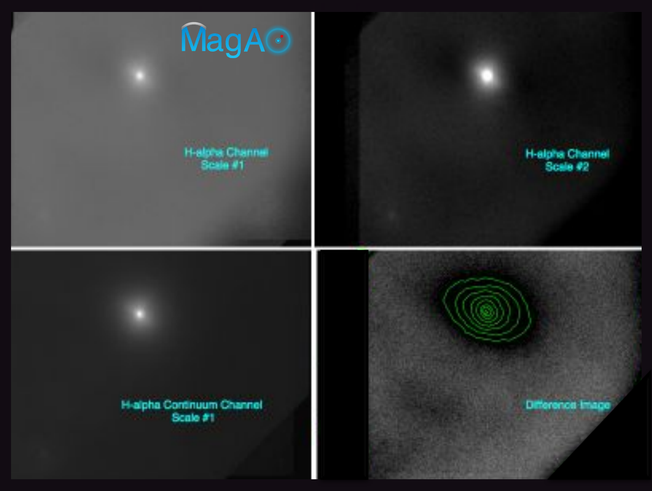
VisAO (0.63-1μm) Performance

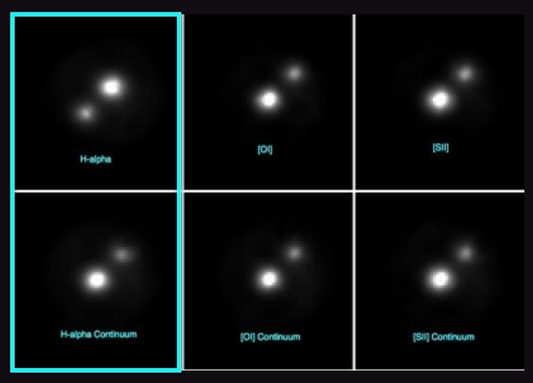


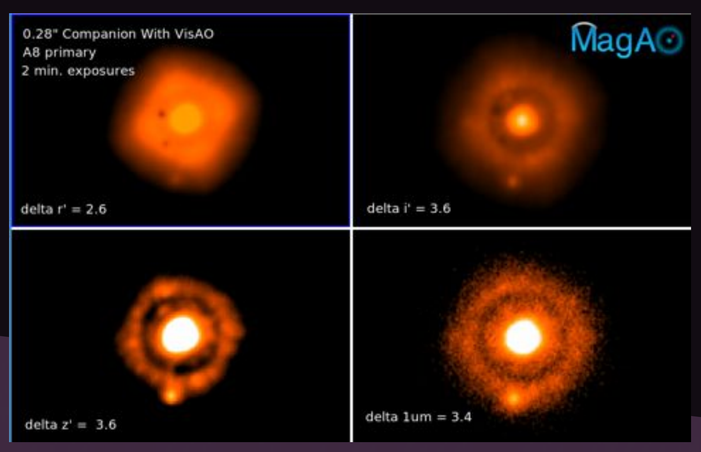
VisAO's SDI Mode



Wollaston Prism







First disk imaged in silhouette from the ground

HST ACS Ricci 2008

MagAO

First Light Results

Nov 18-Dec 7 2012

Kate Follette

On behalf of the MagAO Commissioning Team

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