

## VIS - Visible Imaging Spectrometer

The Visible Imaging Spectrometer (VIS) is a near twin of the IRIM operating in the visible wavelength range from 550 nm to 700 nm. VIS's Fabry-Pérot etalon produces a bandpass of 0.007nm over a 70" field of view. Available spectral lines include H $\alpha$ , Fe I 630 nm and Na I D2 line (589 nm). The spectrometric measurement cadence can reach 10 s. Full spectro-polarimetric measurements of the Fe I 630 nm line will not be available before deployment of the AO-308 system due (Summer 2012) to the limited ability of the current AO-76 to correct the visible light image.

Species	Wavelength	Bandpass	Field of view	Image scale	Spectroscopy
H $\alpha$	656.3 nm	0.07 Å	70" round	0.034"/pix	10 sec
Na I D2	588.9 nm	0.07 Å	70" round	0.034"/pix	10 sec