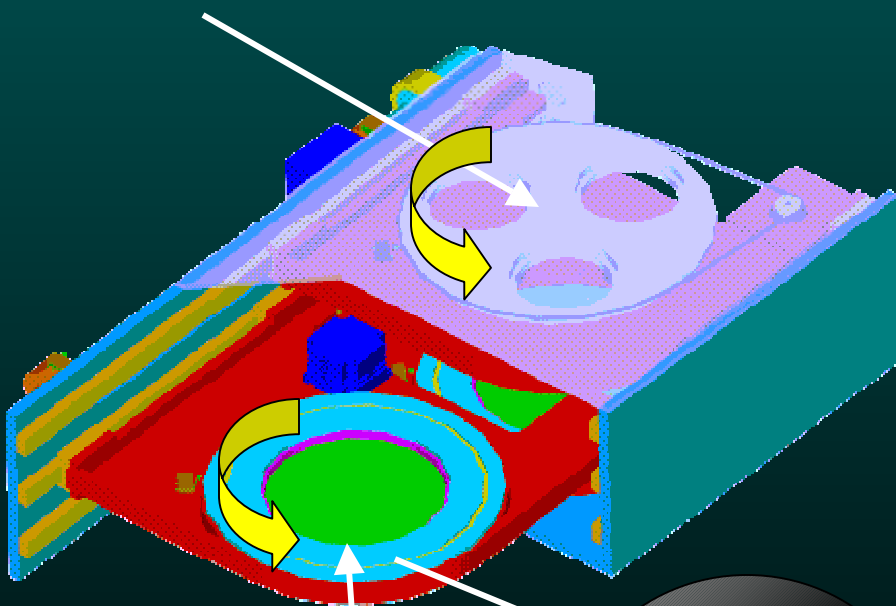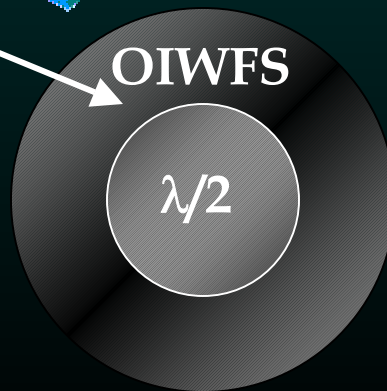# GEMINI OBSERVATORY

GPOL Design

Calibration Wheel

Waveplate Wheel

OIWFS

$\lambda/2$

* GPOL only works with instruments on up-looking ISS port
* Waveplate trays are fully retractable to pass unvignetted beam to the up-looking port
* Each waveplate can be rotated to change orientation with respect to the sky
* Two $\lambda/2$ (linear) waveplates covering 0.3-2.5 µm + L-band are available
* Transparent annulus surrounds waveplates to transmit peripheral telescope field to on-instrument WFS
* ~1' GPOL field compatible with -
  * NIRI
  * GNIRS
  * GMOS