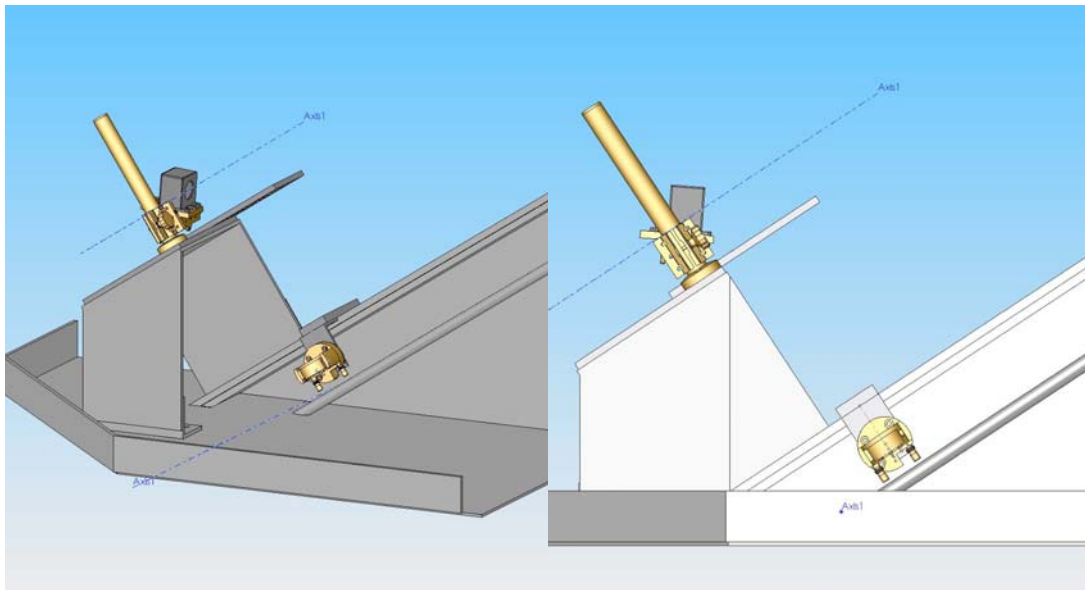


LGS work at Palomar 5/14/06

I spent 6 hrs at Palomar yesterday making measurements of the Coude BTO layout, and making drawings of the upgrade. Here are some notes on what I found.

1. The two images below show the current layout of M1a and M1b. The geometry relative to the CSFL exit aperture is somewhat different than I expected based on Chris's BTO Zemax file. The normal to the CSFL exit aperture is marked as the lower, end-on "axis 1". It intersects the raised steel edge of the Coude spectrograph platform 1.4" below its top. Chris and I intended to keep the laser on this axis, and this will require cutting a slot in the platform edge.



2. The current polar platform is irregular in its shape (the two vertical steel plates are neither parallel, nor vertical). A 12" width breadboard will not fit under there without trimming it by ~ 0.5 ".

3. I need to modify the planned support brackets for the new lower breadboard based on the above dimensions. Drawings will follow.

Antonin