



Center for Adaptive Optics  
An NSF Science & Technology Center



Workshop on Elongated Laser Guidestar Wavefront Sensing  
Modeling and Sensor Optimization  
September 8, 2006

Participants:

Sean Adkins, Keck Observatory  
Luc Gilles, TMT Project  
Brent Ellerbroek, TMT Project  
Don Gavel, UCSC  
Sandrine Thomas, UCSC

Agenda:

9:00 Welcome

Morning: presentations

summary overviews of research results to date

- Sean Adkins – radial CCD
- Luc Gilles – modeling of Hartmann sensors with elongated LGS
- Sandrine Thomas – noise-optimal centroiders for Hartmann WFS

12:00 Lunch (catered)

Afternoon: planning and discussion

coordinated planning for the CfAO research project

- Identify key outstanding questions relating to optimal CCD design and optimal centroiding algorithms
- Set project milestones
- Plan collaborative nature of effort (schedule meetings, assign homework)

5:00 Adjourn