

PTF / MOSAIC status

R. Dekany

January 31, 2008

Palomar Transient Factory

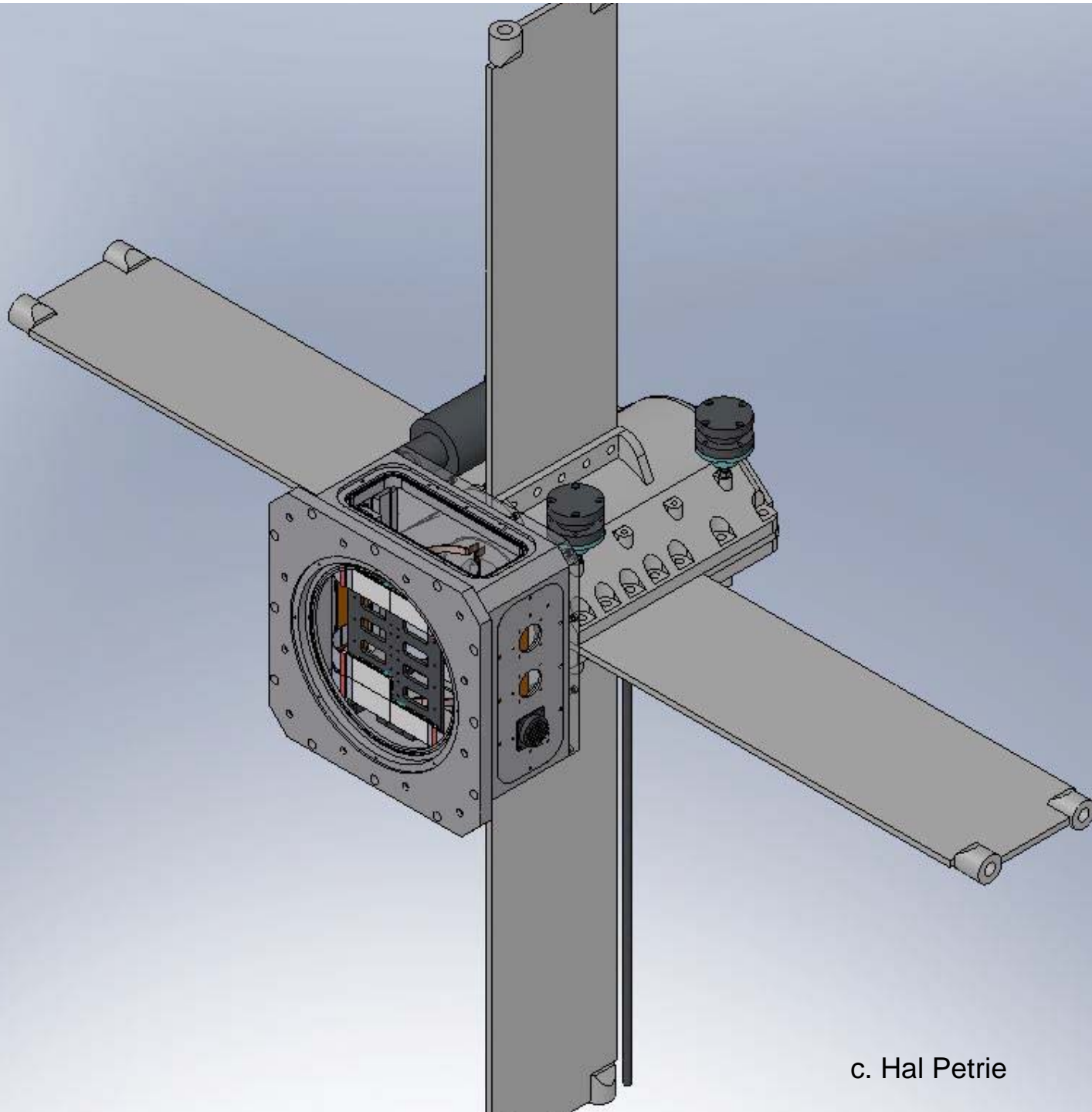
- P48 as transient discovery engine
 - New, wide-field visible imager (MOSAIC)
 - New data analysis pipeline and archive (c. IPAC)
- P60 as photometer machine
- P200 for critical spectroscopy (DBSP, Triplespec)

P48 MOSAIC camera

- Based on CFH12K prime focus camera
 - Increase speed of readout electronics
 - Re-level the focal plane mosaic
 - Re-engineer the thermal control system
 - New field flattening entrance window
 - New instrument mount to P48
 - Improved P48 image quality and tracking

P48 MOSAIC camera

- Requirements document complete
- Mechanical model of instrument nearly complete
- Thermal design in progress
- Readout speed improvements in progress
- Major procurements (in next 2 weeks)
 - Automated shutter
 - Cryotiger cooler
 - Field flattener
 - New g' filter
 - Focal plane metrology system
- Delivery goal end of September 2008; 1st light Nov '08



c. Hal Petrie