



# Design Delivery and PROPER Analysis Status

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JPL

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ACW #2.5

**AFTA WFIR T**  
Wide-Field Infrared Survey Telescope



## Executive Summary



- Received designs from all six advocates!
  - Thank you to all!
  - Detailed design description from each advocate at today's workshop
- On track to deliver all PROPER results by Nov 21 ACW3 as originally planned
  - Medium risk in VNC-Davinci model completion due to new PROPER model development
  - A few hardship cases due to government shut down. A few days deadline extension to these hardship cases can be absorbed in John Krist simulation flow.



# Design Delivery and PROPER Simulation Status (10/23/2013)

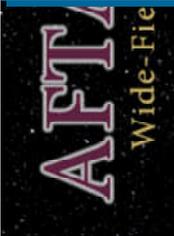


## AFTA Coronagraph PROPER model Support

Architecture	Advocate	Design delivery	PROPER modeler	PROPER Status	2013							
					Jul	Aug	Sep	Oct	Nov	Dec		
Shaped pupil	Kasdin	Received new design 10/22	Krist	●	Start Design 7/25	↑	9/25	↑	10/22	↓	11/21	Del final PROPER
PIAA	Guyon	Received design 10/22* (* Rus impacted by government shut-down, request for additional time for "conservative	Krist	●	Start Design 7/25	↑	9/25	↑	10/22	↓	11/21	Del final PROPER
Hybrid Lyot	Trauger	Received new design 10/22	Krist	●	Start Design 7/25	↑	9/25	↑	10/22	↓	11/21	Del final PROPER
Vector Vortex	Serabyn	Received design 10/22** (** late start due to ITAR, found a bug-- wrong beam size after delivery, request for	Krist	●	Start Design 7/25	↑	9/25	ITAR TTCP	10/22	↓	11/21	Del final PROPER
PO-VNC (contains competition-sensitive information)	Lyon	Final desgin "snap-shot" at ACW2.5*** (***) Rick impacted by government shut-down, suggest we be flexible with his own	Lyon* (*OSCAR model)	●	Start Design 7/25	↑	9/25	↑	10/22	↓	11/21	Del final OSCAR
DAVINCI-VNC	Shao	Mike and Jagmit delivered a "final design" to Erkin 10/22	Menesson Sidick	●	Start Design 7/25	↑	9/25	8/1 PROPER develop start	10/22	↓	11/21	Del final PROPER

↑ Design effort

▽ PROPER effort



- Design details to be presented by the advocates (Day #1)
- Model/simulation status/plan to be presented by Krist/Sidick/Shaklan (Day #1)