

DAVINCI
Mini-Review
Meeting Agenda

Dates: April 19, 2010, 1:00 PM PDT to 5:00 PM PDT
Location: Video and Audio Conference, Hualalai Conference Room, WMKO
Teleconference: (877) 280-4645, Guest Room Number: 338556
Video: IP address 128.171.99.70

	Time (PDT)	Duration	Topic	Presenter
1.	13:00	00:15	Introduction and Overview	Sean Adkins
2.	13:15	01:00	Imager and Coronagraph Design*	Renate Kupke, Sandrine Thomas
3.	14:15	00:45	IFS Design*	Sean Adkins, Sergey Panteleev
4.	15:00	00:30	Discussion	All
5.	15:30	00:45	Review Committee Discussion	Reviewers
6.	16:15	00:30	Wrap up	All
7.	16:45		Adjourn	

* = both presentations allow time for questions and answers

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Scope and Objectives

The scope of the DAVINCI mini-review is to consider the overall instrument concept and the current optical design for the imaging and integral field spectrograph (IFS) channels of the DAVINCI instrument. It should be kept in mind during the review that the plan for the NGAO preliminary design review is that the imager, including the optical, mechanical, electronics and software will be at a preliminary design level, but the IFS is expected only to be at a system design/concept level.

At this point the optical design is still a work in progress, and the objective of the mini-review is to obtain feedback and comments on the strengths and weaknesses of the current design. While discussion of other issues such as mechanical design, electronics or software is not strictly discouraged, nothing beyond the concept description for these areas will be presented in the review document, and if there are specific concerns in these other areas careful note will be taken, and then they will be tabled for future discussion.

Specific questions that we may wish to consider in the review are the following:

1. Are the imager performance predictions consistent with NGAO's requirements for imaging?
2. What further steps should be considered to optimize the imager design?
3. What further steps should be considered to evaluate and optimize the coronagraph design?
4. What does the committee think of the IFS concept and its suitability to the requirements of NGAO?
5. What kinds of analysis and performance explanations should be added to the design description for both the imager and the IFS?
6. What have we missed either in the design, analysis, or presentation for both the imager and the IFS?