

Project Name:		
GSAOI Science Commissioning		
Business objective served by this project		
Commission new Adoptive Optics Near InfraRed (NIR) instrument, GSAOI		
Project Manager/Leader:	Project Sponsor:	PDS Version/Date:
M. Edwards	A. Adamson	Ver 1 Oct 20, 2010

Project Description

Issue Statement:

The Gemini South Adaptive Optics Instrument (GSAOI) should be commissioned for use with GeMS in the 2011 project year

Project Objective Statement (POS):

This purpose of this project is the commissioning and integration into queue of the Gemini South Adaptive Optics Instrument (GSAOI). This particular project focuses on the science aspects of the commissioning process.

- GSAOI scientist support of GeMS Commissioning
- GSAOI Commissioning (Phase I and II)
- Data Reduction and Analysis of Commissioning Data
- Integration and Training Documentation
- Documentation for Community Users
- Integration Time Calculator

Project Flexibility:

Flexibility Matrix	Least Flexible	Moderately Flexible	Most Flexible
Scope	X		
Schedule			X
Resources		X	

Major Deliverables:

- First and Second phase of GSAOI commissioning complete
- Forward motion with integration of instrument into queue/science operations
- Preparation for Science Verification

Assumptions:

- GeMS proceeds as predicted

IS and IS NOT:

Describe what the project **is** and what the project **is not**, you can have as many **is** or **is not** as you want.

- **IS:** A critical part of GeMS
- **IS:** an upgrade to instrumentation offered at Gemini

Strategy and Resources

Milestones and Stages:

Define and describe a set of milestones for the project, also define stages that can be used later as off ramp points.

- Stage 1 – Pre-Commissioning
 - Work with GSAOI as a black box imager for GeMS
 - Establish basic operations of instrument
- Stage 2 – GSAOI Commissioning – Phase 1
 - 3 Canopus + 1 ODGW technical commissioning complete
 - 3 Canopus + 1 ODGW science focused commissioning complete
- Stage 3 – Documentation and Integration Planning
- Stage 4 – GSAOI Commissioning – Phase II
 - 1 Canopus + 3 ODGW technical commissioning complete
 - 1 Canopus + 3 ODGW science focused commissioning complete

Estimated Costs:

- See PI for project resource costs

Core Team Members(see Guidelines for Developing New Projects document):

- Michelle Edwards- Project Manager and Project Scientist
- Gelys Trancho- Systems Engineer

Extended Core Team Members:

- Michelle Edwards
- Rodrigo Carrasco
- Claudia Winge
- Allison Widhalm-Campbell
- Ariel Lopez
- Gelys Trancho
- Benoit Neichel
- Francois Rigaut

Dependencies that require coordination:

- GeMS project

Risks and Issues:

- Must coordinate with GeMS project

Supplemental Resources:

- GSAOI 2011 Project Plan (document attached in PI)
- Detailed PI project

