

Project Name:		
F2 Science Commissioning		
Business objective served by this project		
To commission F2 as a facility instrument		
Project Manager/Leader:	Project Sponsor:	PDS Version/Date:
Percy Gomez	Andy Adamson	Version 1:10/19/10

## Project Description

### Issue Statement:

To commission F2.

### Project Objective Statement (POS):

Briefly describe the purposes of the project here.

- Check that F2 is ready to go back to the telescope
- Perform on-sky AT
- Commission F2
- System Verification

### Project Flexibility:

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

### Major Deliverables:

- New H2 characterization report (chip and electronics)
- Flex-rig Assessment (includes flexure, repeatability, cooling time, internal background, reliability, time-to-function)
- On-sky AT report
- Commissioning 3 main modes: Imaging (all filters), long-slit spectroscopy (JH, HK, and R3K), and MOS (JH, HK, and R3K)
- Call for SV
- SV data
- Call for proposal
- ITC
- Observing libraries
- Internal and external webpages

### Assumptions:

- F2 is ready in early 2011
- We receive an acceptable science grade H2
- We receive the R3K
- We can perform the 2 AT runs, 3 commissioning runs and at least 1 SV run (good weather)
- We are able to commission the OIWFS

### 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:** commissioning a facility instrument
- **IS NOT: An embarrassment.**

## 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: Prep F2
  - Characterize the new H2
  - Asses if it is ready for the flex-rig
- Stage 2: AT and Commissioning
  - Assess if it is ready to go on the telescope for on-sky AT
  - Assess if it is ready for commissioning
  - Instrument is commissioned.
- Stage 3: SV
  - SV call
  - SV data taken and archived
  - F2 fully commissioned as a facility instrument

### Estimated Costs:

- Supplies and materials
- Equipment
- Resources
- Spares
- Contracts

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

- Project Manager Percy Gomez
- Project Scientist Percy Gomez
- Systems Engineer Manuel Lazo

### Extended Core Team Members:

- Science: R. Diaz, P. Pessev, P. Candia, R. Carrasco, E. Wenderoth, A. Serio, A. Stephens, E. Hogan
- Engineering: G. Perez, L. Godoy, M. Boccas, G. Trancho

### Dependencies that require coordination:

- F2 has to be ready as defined by the F2 Fix and Improvements (OBS10-007A)

**Risks and Issues:**

- F2 is delayed
- Bad weather at the summit

**Supplemental Resources:**