Project Name:		
OSW11-203 Queue Visualization		
Business objective served by this project		
Construct a plan to enhance or build a tool for the purpose of maximizing the completion rates for a queue scheduled telescope by improving the QCs overview of the visibilities, configurations and conditions requirements for all active observations in the queue.		
Project Manager/Leader:	Project Sponsor:	PDS Version/Date:
	Gustavo Arriagada	

Project Description

Issue Statement:

The basic concept consists of a tool that is capable of displaying all observations in the queue in visibility plots, with an adjustable (and long) time basis. Observations displayed should be selectable as a function of instrument configuration, band, conditions, and coordinates. Other important features are histograms allowing for comparisons between time available and time requested in different RA bins, and the distribution of hours planned as a function of instrument and instrument configuration (e.g., GMOS gratings).

Project Objective Statement (POS):

Construct a detailed plan estimating and assigning resources to build this tool.

- Elaborate on project requirements.
- Generate a work breakdown structure.
- Schedule tasks.
- Identify and assign people to tasks.

Project Flexibility:

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

Major Deliverables:

- A plan to construct the tool.
- A requirements document

Assumptions:

- We will not be able to finish planning this project in what remains of 2010.

IS and IS NOT:

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

- **IS:** A “plan to plan”.
- **IS NOT:** A plan to implement the tool.

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.

- User Requirements Gathering
    - Define Business Case
    - User Requirements Baseline Document
- Evaluation Phase
    - Conceptual Definition Stage
- Elaboration Phase
    - Identify products
    - Produce high lvel design / architecture
    - Features list
    - Generate Plan

Estimated Costs:

- People – 292 hours of effort.

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

- Project Manager – Devin Dawson
- Project Scientist – Steve Margheim
- Systems Engineer - TBD

Extended Core Team Members:

- People that will execute the tasks
    - Devin Dawson – 96 hrs
    - Larry O'Brien – 78 hours
    - Steve Margheim – 42 hours
    - Shane Walker – 22 hours
    - Arturo Nunez – 18 hours
    - < 10 hours – [Atsuko Nitta, Brian Walls, Bryan Miller, Gelys Trancho, Manuel Lazo, Ricardo Schiavon
- Dependencies that require coordination:
    - Resource contention.

Risks and Issues:

- Any risk or issue associated to the project
    - People risk: Planning project must contend with ongoing development work amidst deadlines.

Supplemental Resources:

- Other resources required by the project.