



LSST Camera Calibration Workshop Introduction

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Camera Face-to-Face
BNL
October 17-18, 2005

Goals for this Meeting

(Priority Order)

Discuss goals, scope, and strategy of the Camera calibration program.

Review options for in-situ calibration of sensor electronics.

Introductory discussion of data to be obtained by the program, and procedures and hardware needed to carry it out.

- 0900 Goals, Scope, and Strategies for Camera Calibrations
Introduction (Burke – 5 min)
Discussion (All – 15 min)
- 0920 Options for Electronic Calibrations; Performance, Difficulty, Risks, Costs
Presentation (O'Connor, Oliver, Radeka – 25 min)
Discussion (All – 30 min)
- 1015 Break
- 1030 Discussion of the Camera Calibration Program (~ 1 slide each topic)
- Flow of Production and Assembly Data
Sensors, Rafts, (and Electronics) (O'Connor, Oliver, Radeka)
Optics (including Filters) (Gilmore)
- Integrated Tests and Calibrations in Construction and Assembly
Focal Plane Array (Hale, Kim)
Assembled Camera (Burke, Gilmore, Stubbs)
- Operational Data
Mechanical Systems, Actuators, and Sensors (Hale)
Thermal Control and Responses (Thurston)
- 1110 Goals for All-Hands Face-to-Face
- 1115 Adjourn

Data and procedures:

- To support a broad program of science.
- To support operations and on-line analysis and verification of data quality.
- To verify performance during construction (and maintenance).

- Capture data taken during production and assembly.
- Design and carry-out tests and calibrations of integrated systems, including the final verification of performance of the Camera before it is shipped to the mountain.
- Work with Telescope and DM Teams to design and carry out tests and calibrations of fully integrated LSST hardware and operations.