

MODS Software

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MODS Software Team

Richard Pogge

- Overall management
- Observing & data-analysis software

Ray Gonzalez – Systems Developer/Engineer

- Instrument Control System
- Engineering & Support Tools

Jerry Mason – Systems Developer/Engineer

- Detector Control & Data Handling Systems
- Computer hardware

Progress to Date

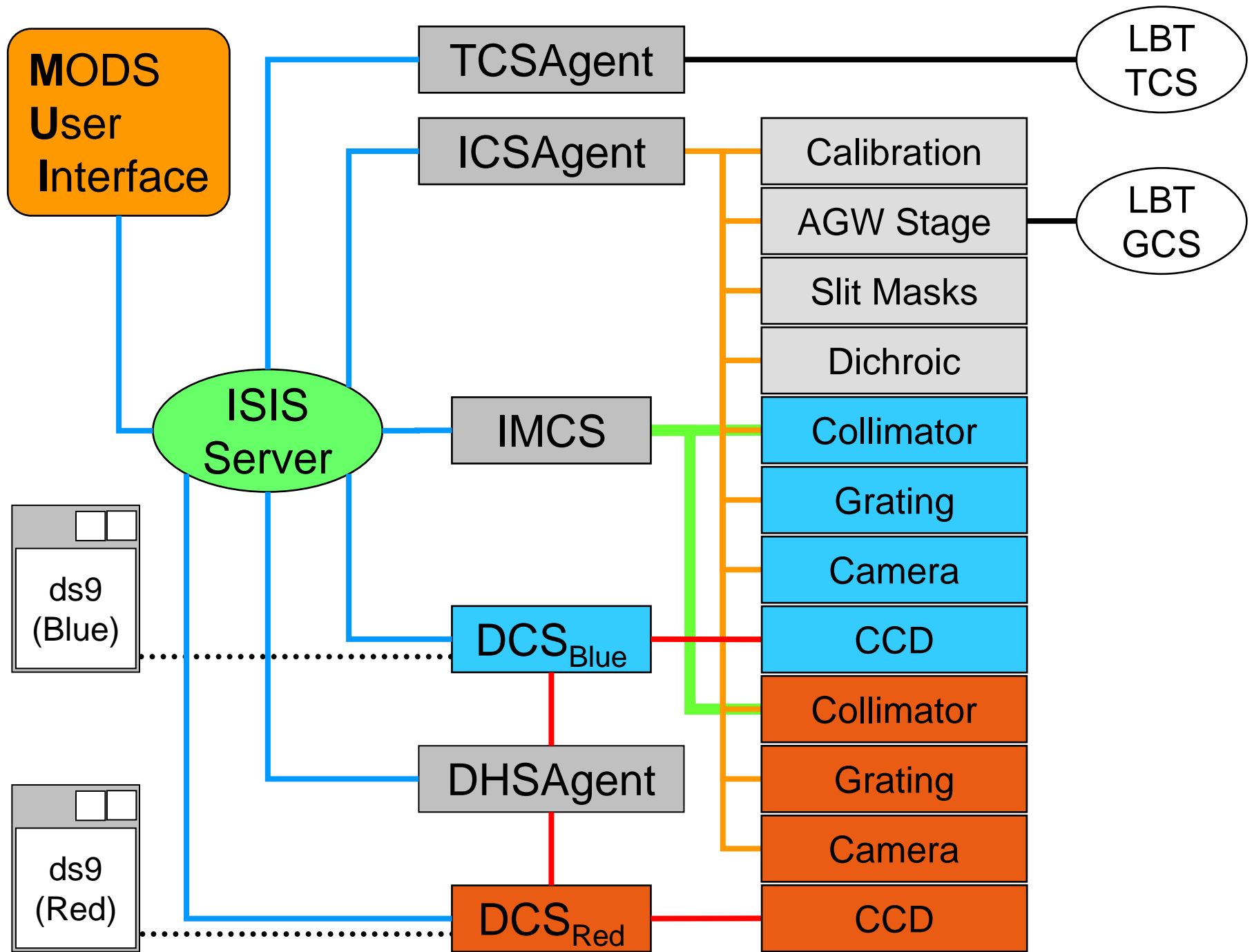
Detailed software design document

Prototyping of key systems

- Deployed instruments using the next-generation messaging system and client/server modules
- Basic motion control system deployed at CTIO and MDM with the Buckeye Filter Wheels

Vendor selection/evaluation

- Hardware qualification for serial port servers, barcode readers, I/O modules, and motor controllers.
- Software package evaluation and adoption



Goals for mid-2005

Complete development of the motion control system API layers (Gonzalez)

Begin implementation of instrument subsystem modules as the hardware is assembled:

- Filter Wheel
- Collimator tip/tilt/focus with IMCS prototype
- AGW camera stage (including GCS interface)
- Slit Mask cassette and deploy system
- Camera Focus and Shutter systems
- Grating select/tilt system

Goals for mid-2005 (cont'd)

Develop observing and calibration use cases leading to the observing interface design details (Pogge and students)

- Begin prototyping interfaces and testing them on observers.

Detector Control System (Mason):

- Work with Atwood on the first 4K CCD with the current lab system.
- Develop detailed requirements for the MODS system
- Begin implementation of prototype system.

Schedule

Current schedule is being revised:

- Unexpected (3mo) delay in hiring the new programmer
- Delay in adopting the final motor controller system halted motor control API development

First re-alignment does not put software on the critical path.

- Remaining issues to be resolved now that Ray Gonzalez has started working with us full time.
- Back on track with motor control API