



PROJECT ORGANIZATION

MARK MULLIGAN
UNIVERSITY OF WISCONSIN





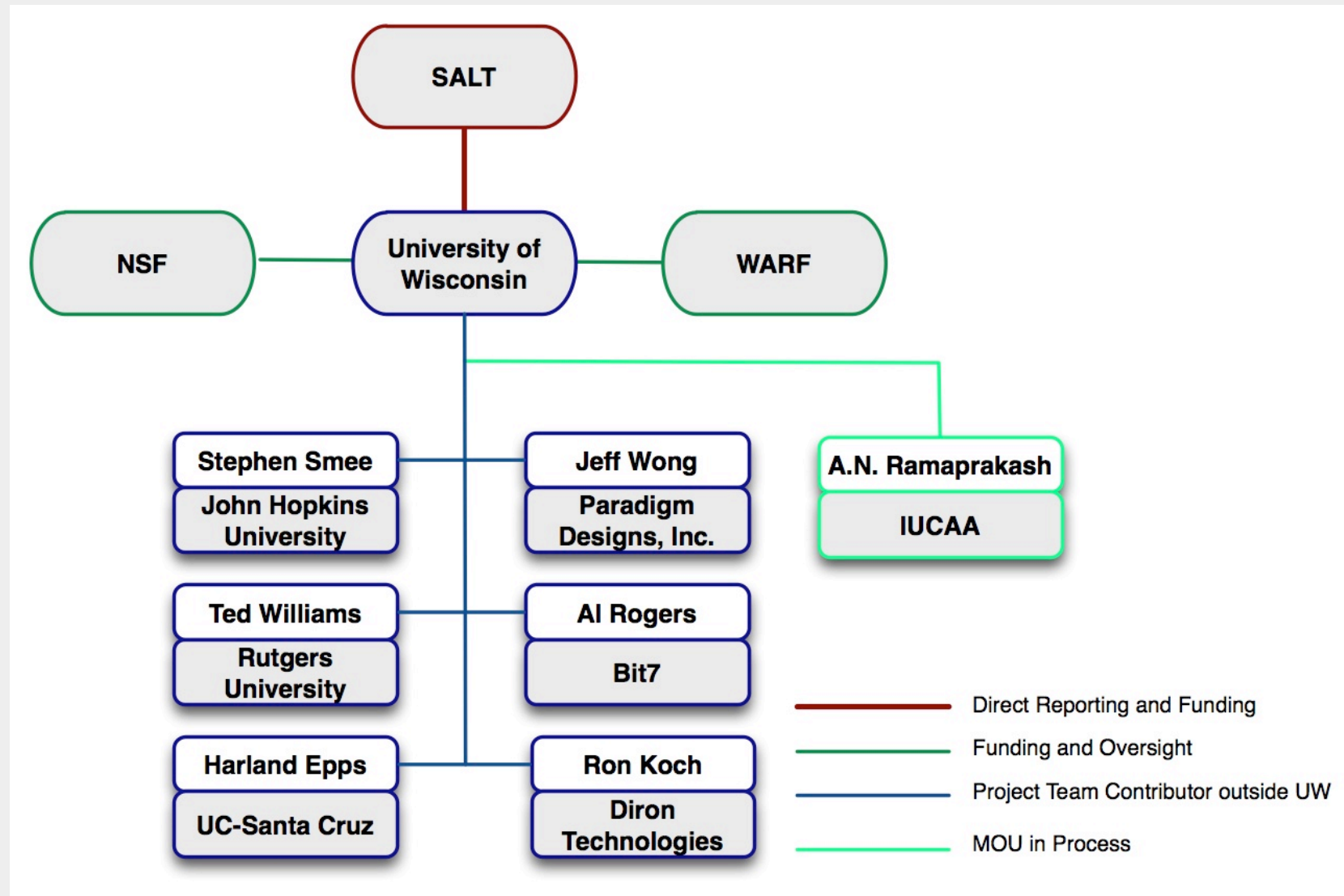
Overview



- Project Oversight and Teaming
- RSS-NIR Organizations
- Project Organization Chart
- Key Staff
- Facilities



Project Oversight & Teaming





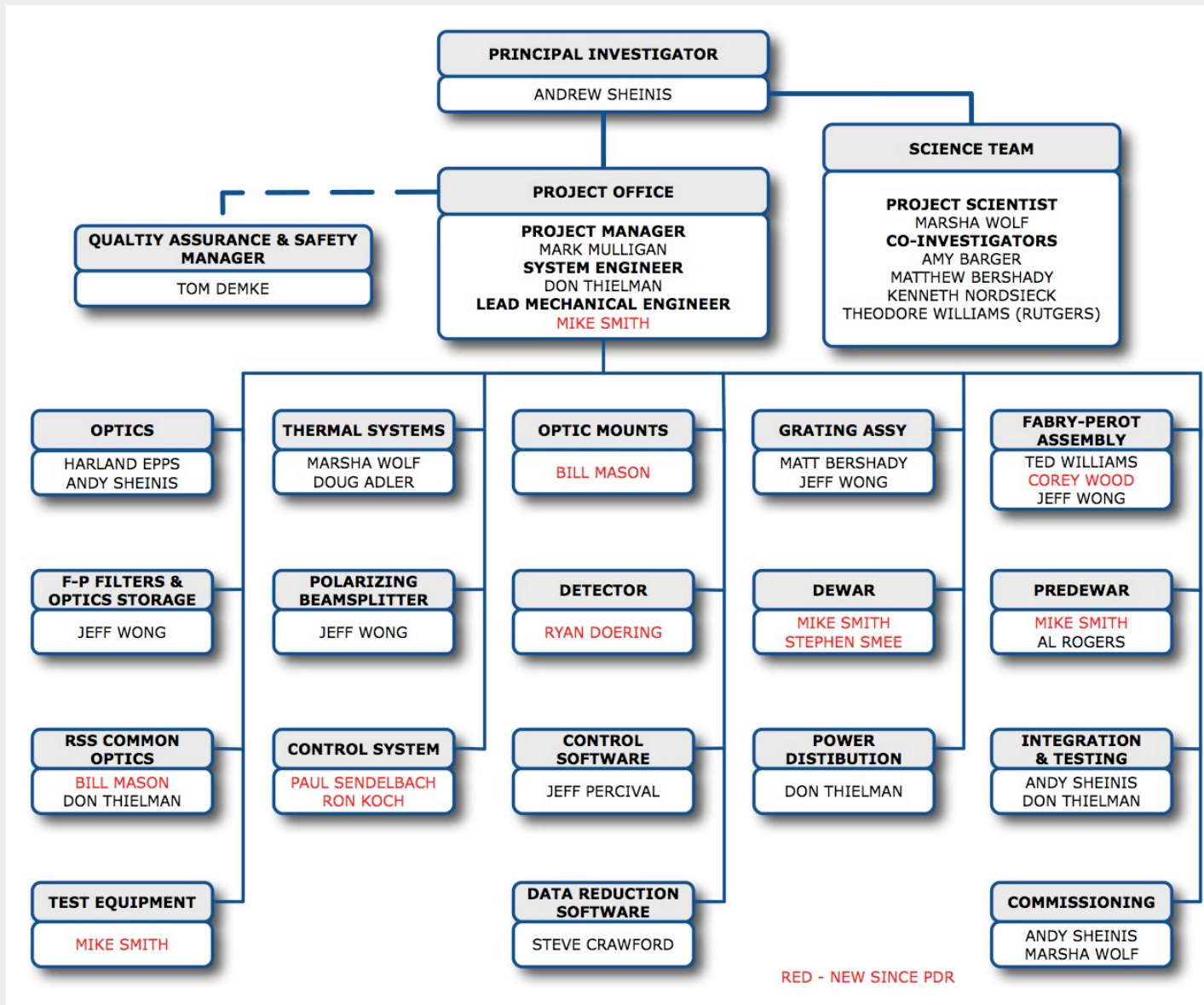
Teaming



- The bulk of the design and all of the development will be at three centers within the UW. We have worked together on previous projects: WIYN telescope & HSP instrument for Hubble Telescope.
 -  Department of Astronomy
 -  Space Astronomy Lab
 -  Space Science and Engineering Center
- Project staff at other organizations include:
 - Ted Williams, Rutgers University
 - Stephen Smee, John Hopkins University
 - Harland Epps, UC-Santa Cruz
- Project Staff from area engineering firms:
 - Al Rogers, Bit7
 - Jeff Wong, Paradigm Designs, Inc.
 - Ron Koch, Diron Technologies, Inc.
- In MOU negotiations with the Inter-University Centre for Astronomy and Astrophysics (IUCAA)



Project Organization Chart





Key Staff



- Science Team

- Principal Investigator
- Project Scientist
- Co-Investigator
- Co-Investigator
- Co-Investigator
- Co-Investigator

Andrew Sheinis
Marsha Wolf
Amy Barger
Matt Bershad
Ken Nordsieck
Ted Williams

- Project Administration

- Project Manager
- Quality Assurance & Safety Manager
- Systems Engineer
- Lead Mechanical Engineer

Mark Mulligan
Tom Demke
Don Thielman
Mike Smith

- Engineering

- Mechanical Engineer
- Opto-mechanical Engineer
- Control System Hardware
- Control System Software
- Designer
- Electronics Technicians

Bill Mason
Jeff Wong
Paul Sendelbach / Ron Koch
Jeff Percival
Al Rogers + SSEC Staff
SAL & SSEC Staff



SAL Optical Assembly Lab



- Class-10,000 and Class-1,000 clean rooms
- Remodeled positive pressure optical assembly lab to support instrument developments like the NIR
- Electronics fabrication lab
- Fully-equipped SAL Machine Shop
- Physics Department machine shop in the same building
- **Lab equipment:** Vacuum-UV collimator, grating spectrometers, laboratory standard light sources and detectors, a theodolite, and transit and auto-collimating alignment telescope.

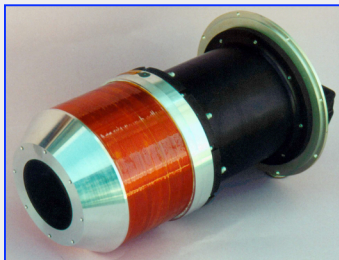
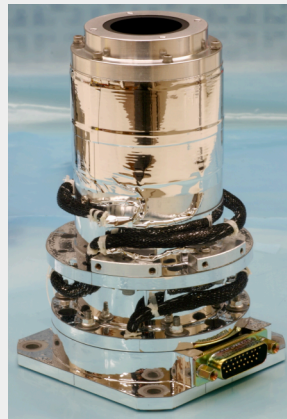
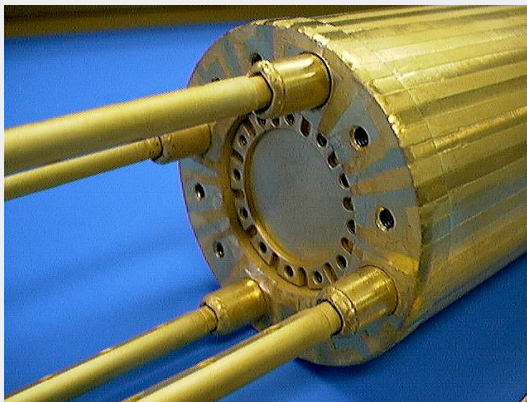
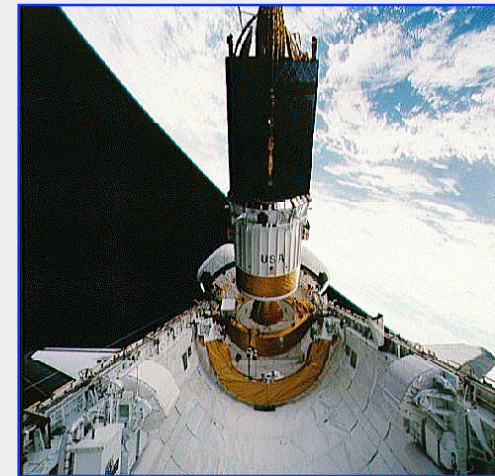
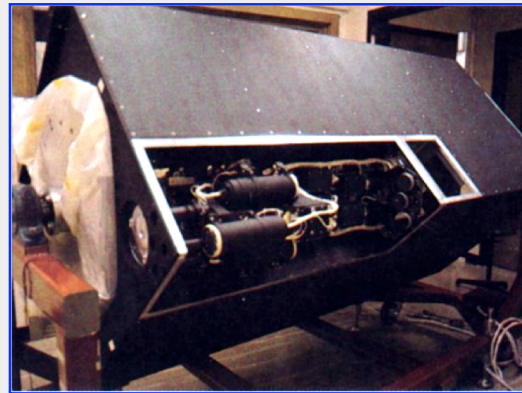
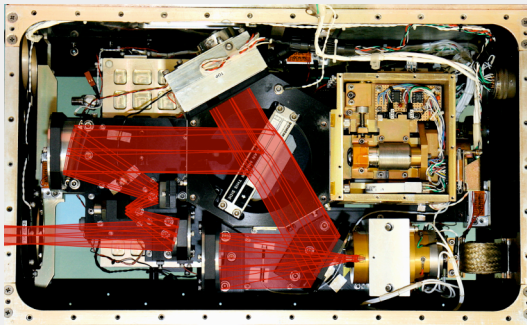
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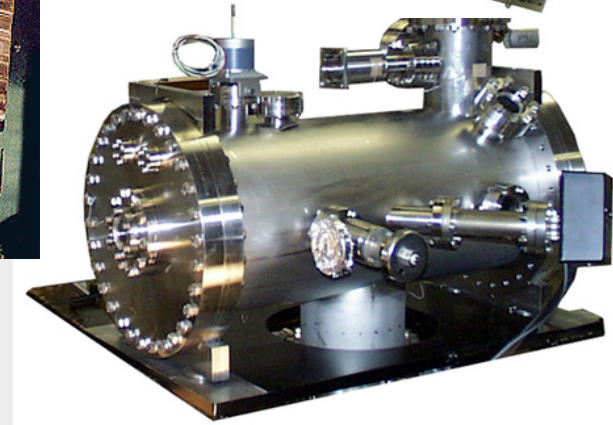
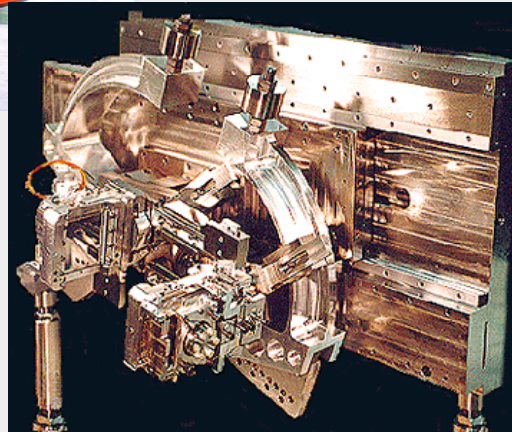
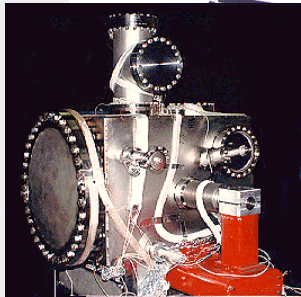
SSEC



- SSEC has developed instruments for ground, air, and space based platforms.
- Class-1,000 clean room with Class-100 laminar flow benches
- Electronics fabrication lab
- 5 mechanical assembly and test labs
- Fully-equipped machine shop
- Numerous test chambers include (2) larger (1 m³) chambers capable of reaching -80° C



PSL Machine Shop



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Physical Sciences Lab



- The Physical Science Lab, a few miles south of campus, has supported the development of a numerous SSEC and SAL projects.
- Custom designed cold lab built into the PSL Hi-bay.
- Intended for the burn-in and test of the IceCube Digital Optical Modules.
- Capable of cooling to -40°C
- If required, could do cold testing in the lab with easy (albeit cold) access to the instrument
- PSL also has a large capacity, high bay machine shop

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