



New Mexico Space Grant Summer Internship 2010

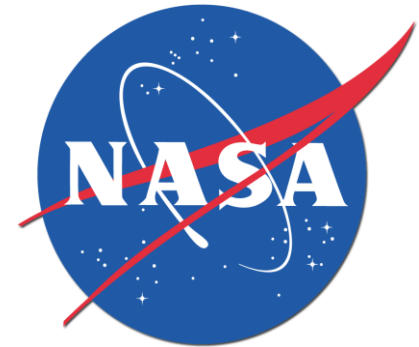
Jose Tabarez

Agenda

- Background
- Propulsion Department
- Tasks/Duties
- Projects
- Conclusion

Background

- NASA White Sands Test Facility
 - Propulsion
 - Laboratories
 - Hardware Processing
- Jacobs Technology
 - Propulsion



Background Cont.

- To provide support for the Space Shuttle and Space Station



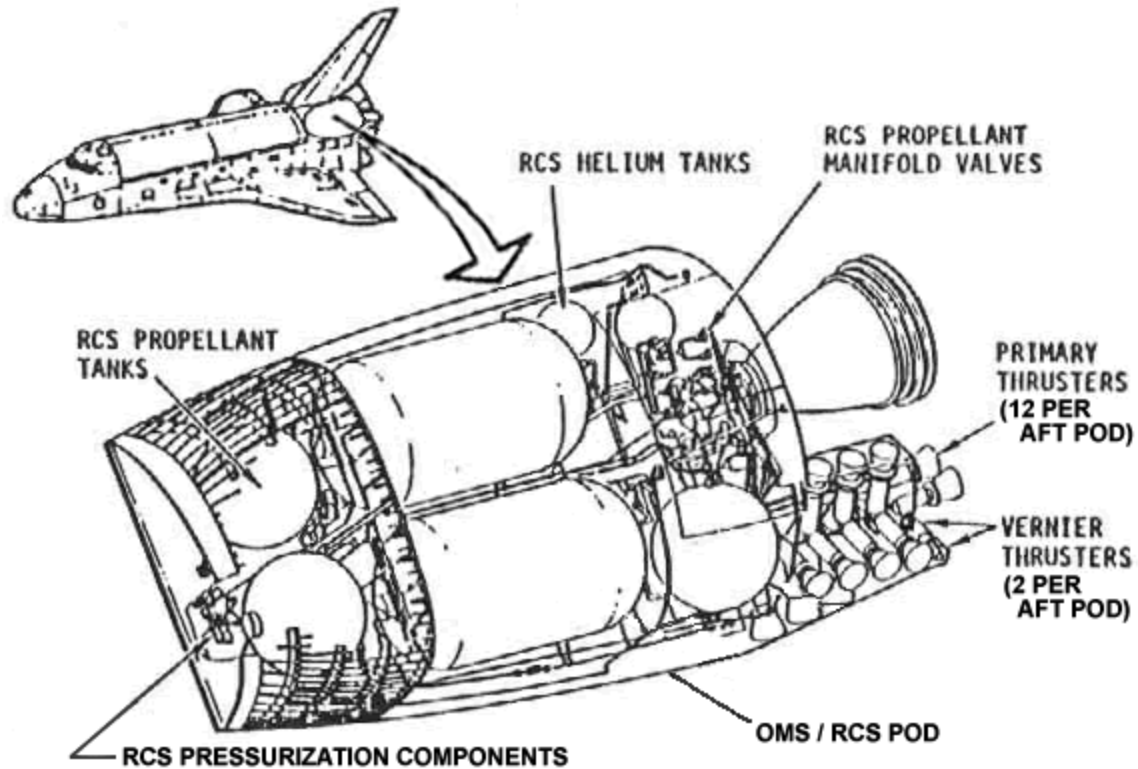
- To provide specialized testing and evaluation of potentially hazardous materials, components, and rocket propulsion systems

Propulsion Department

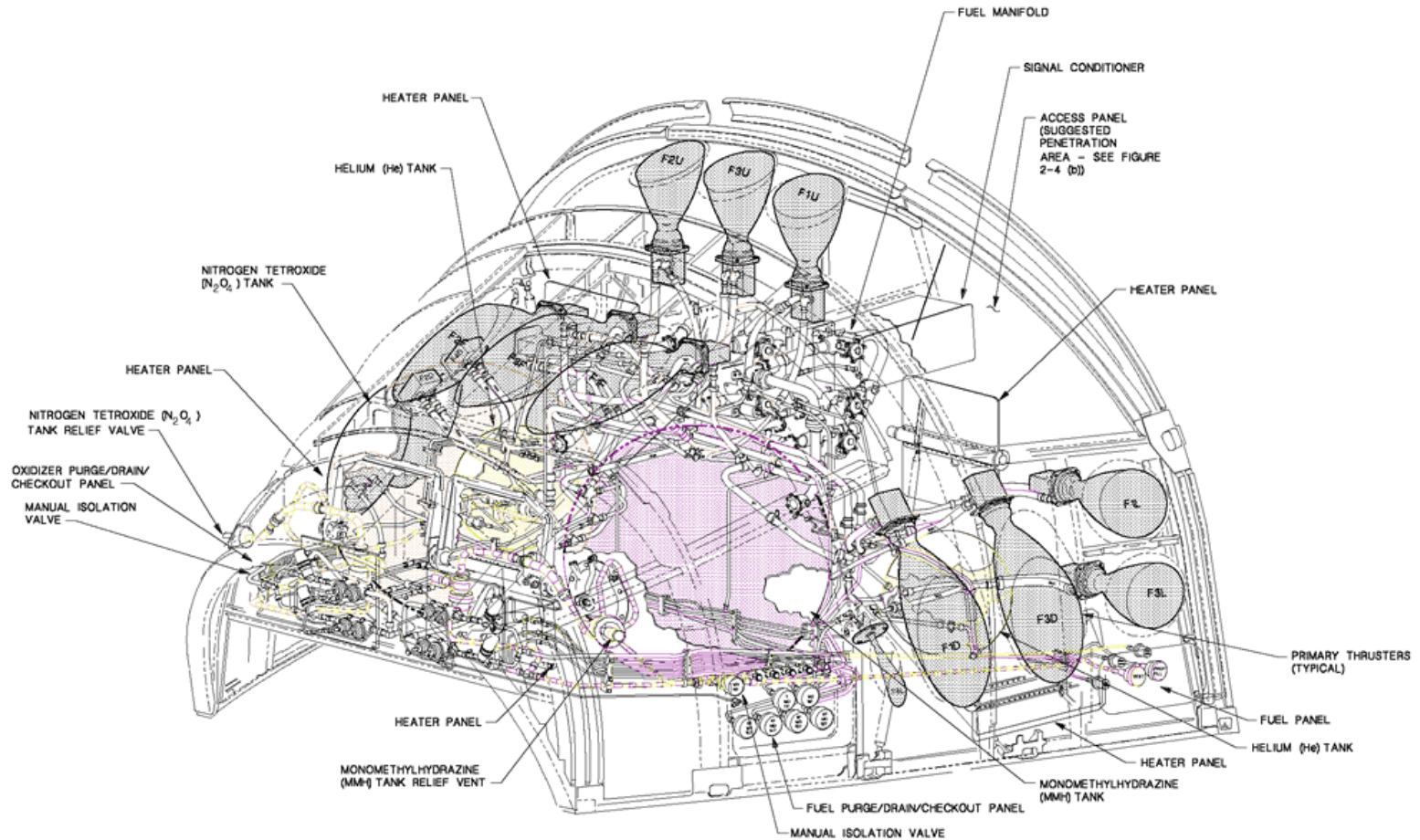
- 300 Area Test Stands



Propulsion Department Cont.



Propulsion Department Cont.



Propulsion Department Cont.



Tasks/Duties

- Electrical Engineering
 - Data Acquisition and Control System (DACCS)
 - Control
 - Measurements
 - Display/Storage
 - Video/Audio

Tasks/Duties Cont.

- Daily System Validations
- Weekly System Shutdown and Startup
- Safety Meetings and Safety Checks
- Interacting with Other Engineers and Technicians
- Troubleshooting Problems

Projects

- Shuttle Transition and Retirement
 - Cabinets
 - Video
 - Audio
 - Test Stands

Projects Cont.

- Matrix Switch
 - Pretest
 - Removal of Existing Switch/Patch board
 - Cabinet Design
 - Installation
 - Validation

Conclusion

I was able to learn about and participate in the operations of the site. I was exposed to some of the daily duties and responsibilities of an Engineer. I also was exposed to the high safety culture of NASA.

Thank You

