

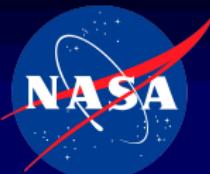


Hardware and Software Development for MOSES II Flight Operations

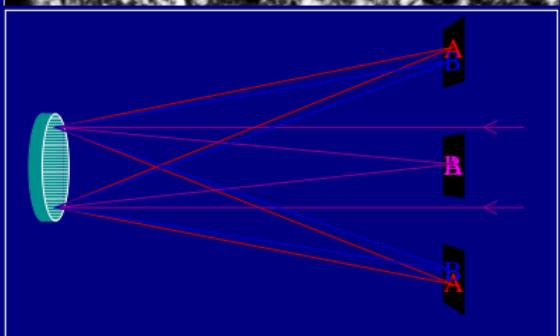
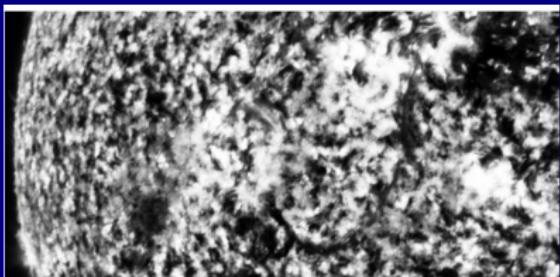


Roy Smart Jackson Remington
Montana State University
May 1st, 2015

MOSES Scientific Goals



- hey!



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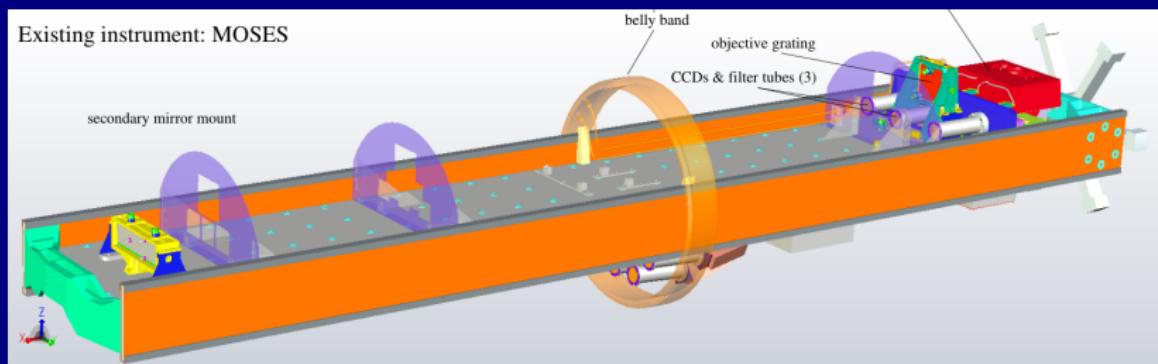
First Launch



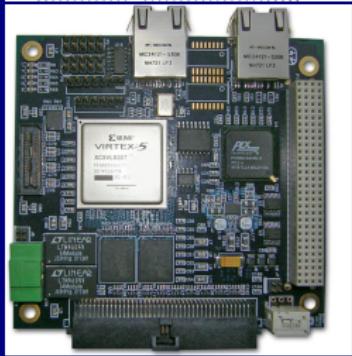
■ hey!



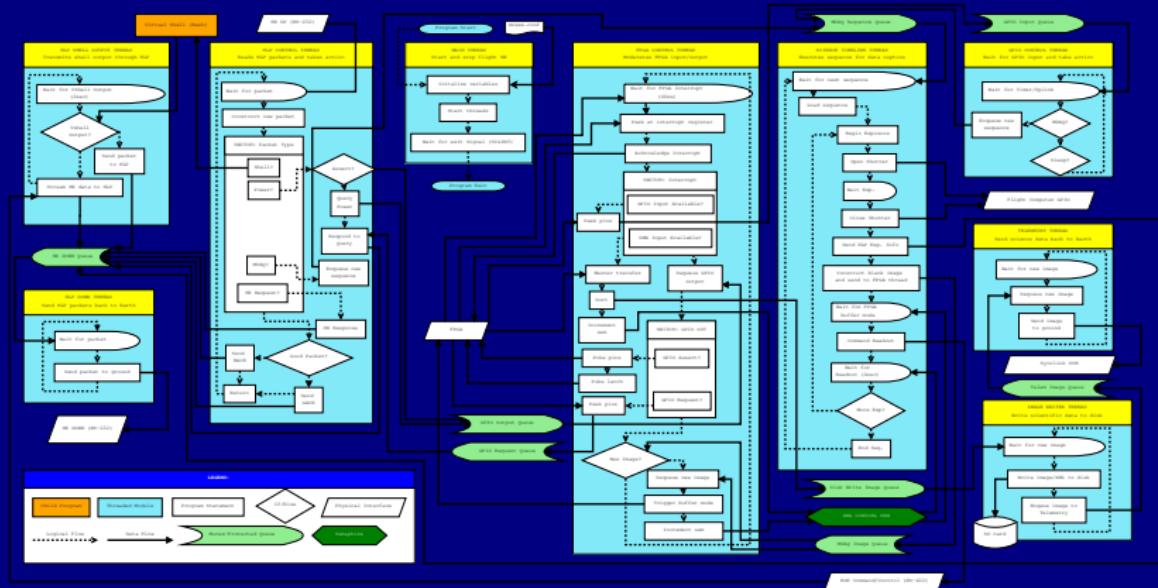
System Requirements



Hardware Overview



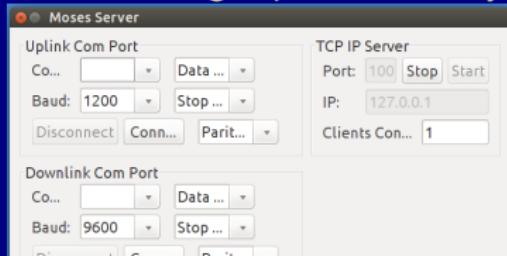
Flight Software





Ground Station Software

- Server module
- Client module
- Grounded communication
 - Serial console
 - Ethernet
- In-flight communication
 - Housekeeping Link Protocol (HLP)
 - Timers
 - High-speed telemetry



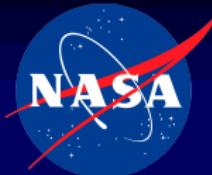
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Capturing Data



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Data Retrieval



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Next Launch

