

microsat

STU-2 Mission Requirements

- > Monitoring sea ice status in polar regions
- > Gaining the maritime traffic information via AIS receiver
- > Monitor civil aircraft traffic information via ADS-B receiver
- New technology demonstration & validation of Micro-propulsion, dual-band GPS-BD receiver, and Gamalink
- Demonstration of autonomous rendezvous (RVD) flight







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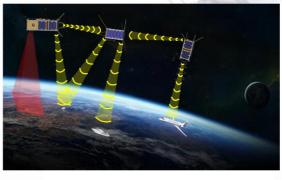




STU-2 Mission Configuration

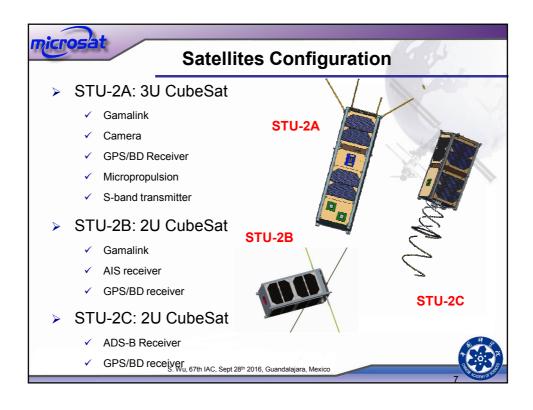
- > 3 Cube Satellites to carry different payloads
- > 2 Ground Stations (UHF band) in Shanghai and Nanjing of China
- > 1 Data Receiving Station (S-band) in Shanghai
- > Orbit: SSO, 480km, 8:00am
- Launch: Sept 25th 2015 Jiuquan, China

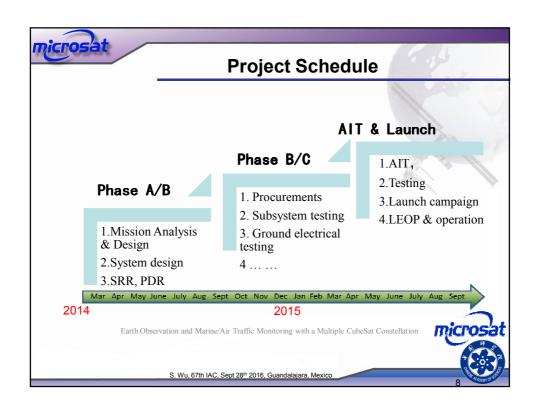


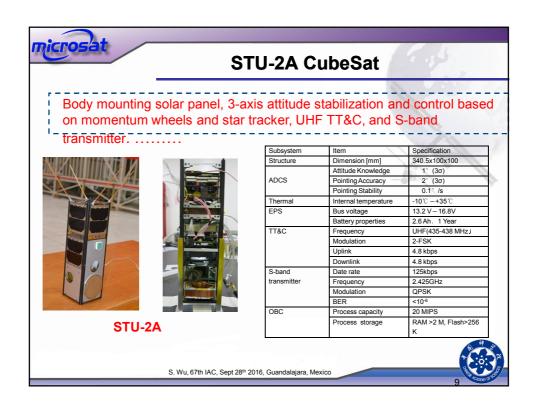


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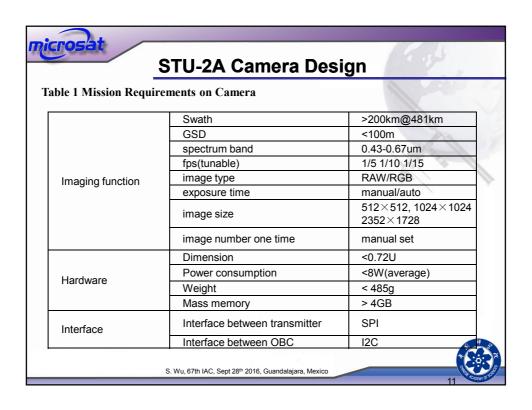


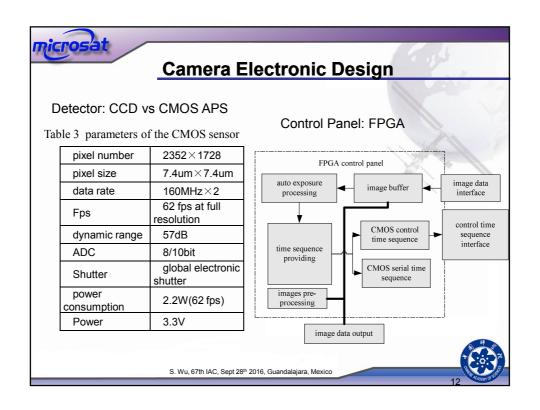


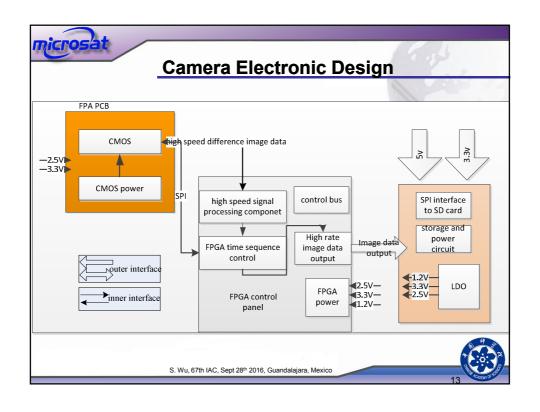


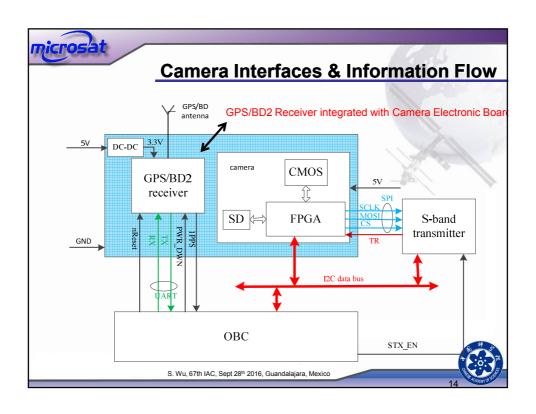


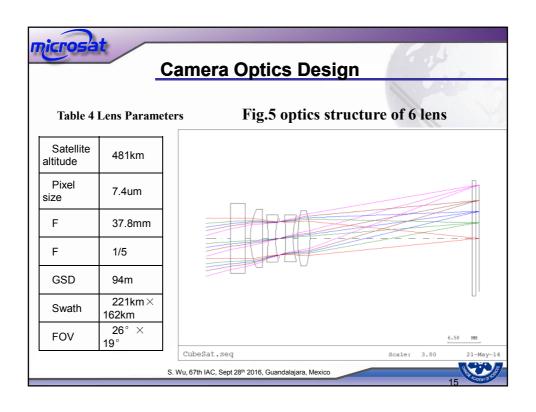




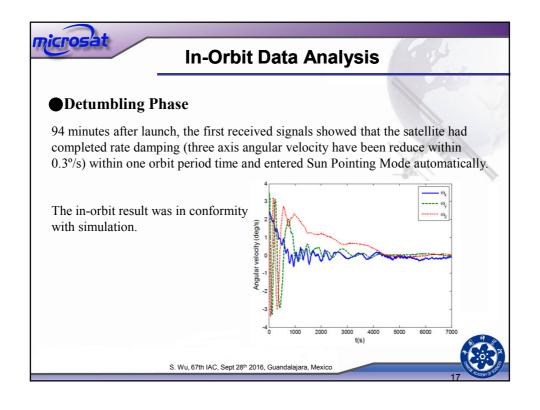


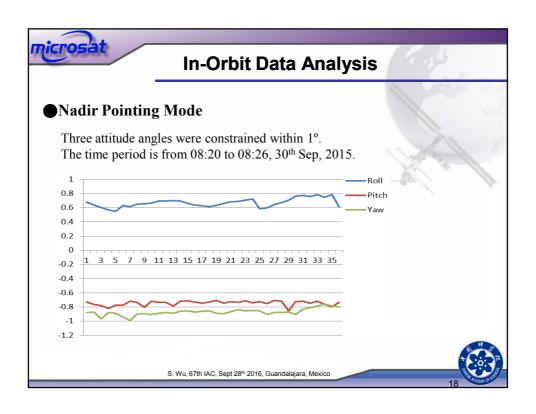


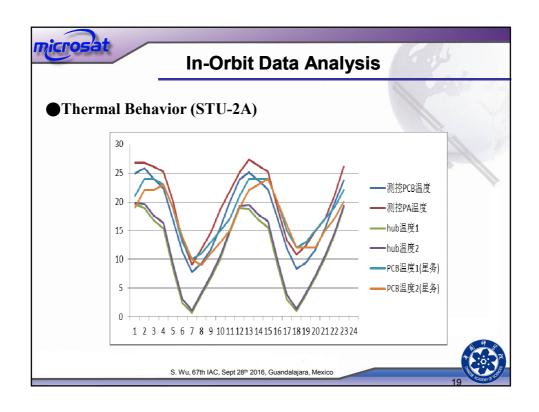


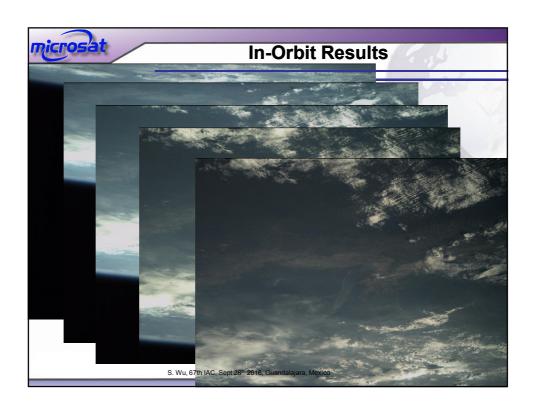


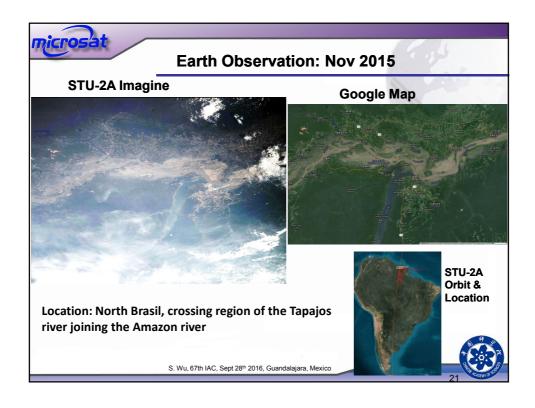


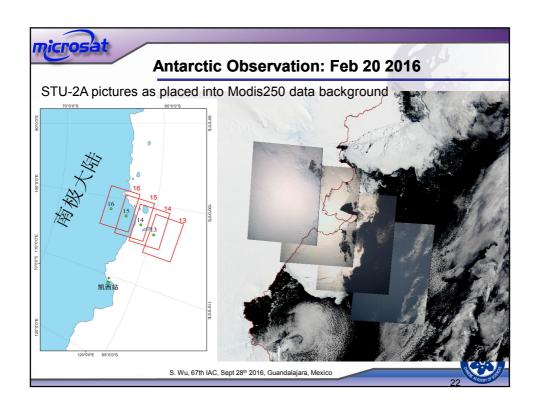


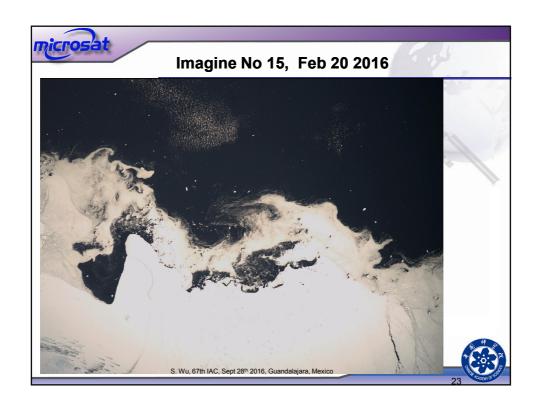


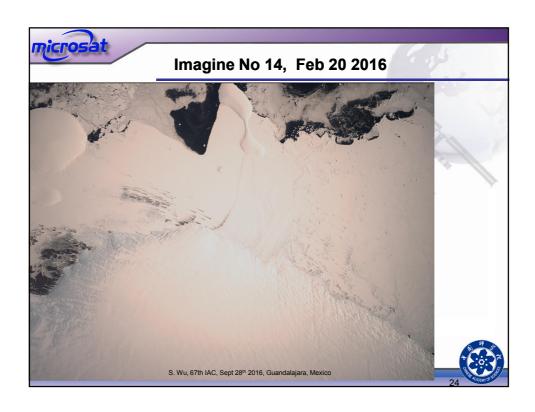


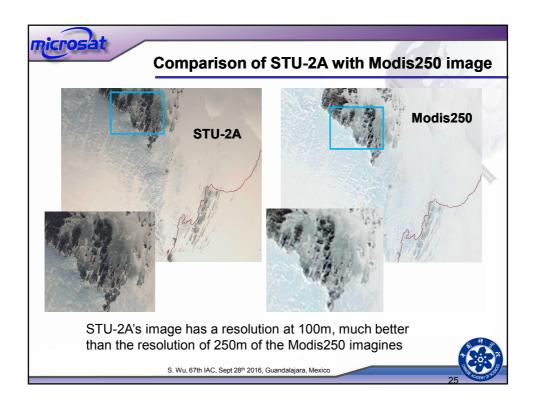


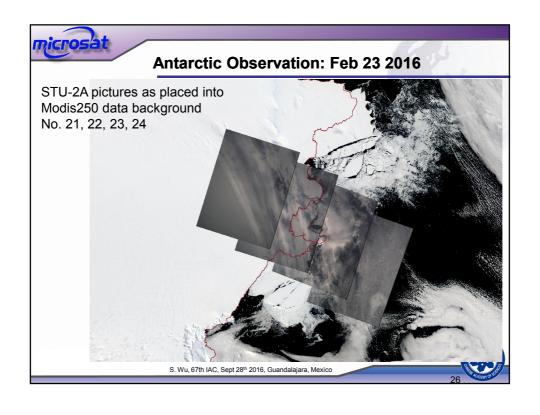




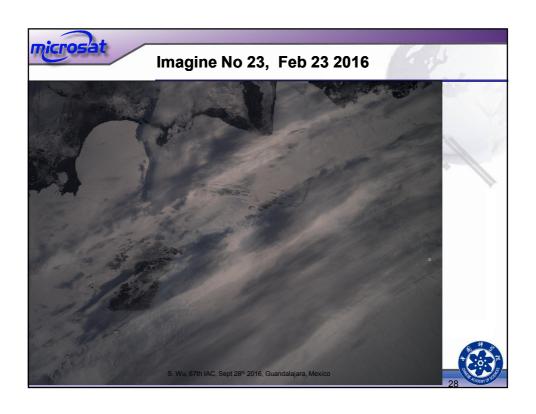


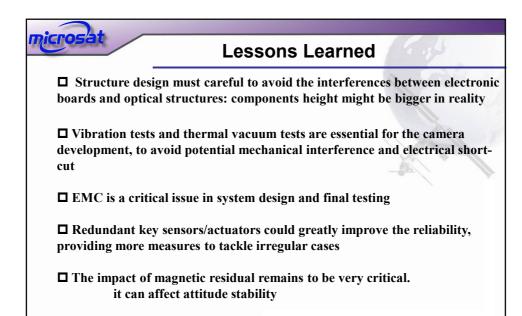












☐ Magnetometer should be placed as far as possible from large current

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devices, e.g. PC-104 socket, batteries, etc.



