Sounding Rocket Fun

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Outline

• CLASP-2
  • Integration and Key Hardware
• WSMR operations overview
  • Packing up
  • Unpacking
  • Set up/Functional Testing
  • Sun Sensors and Heliostat
  • Vibration Tests
  • Rail
  • Launch !!!
• Recovery

https://www.nasa.gov/sites/default/files/thumbnails/image/190328-n-hb488-1036_002_0.jpg
CLASP-2 Instrument

- Instrument major components
  - Cassegrain telescope
  - slitjaw imaging system
  - dual-beam spectrograph
  - Polarimeter
- CLASP-2 is slightly different from diagram but mostly the same
Primary Mirror

• Cold mirror
  • Narrowband multilayer coating
  • Reflects target wavelengths
  • Transparent to visible heat absorber

• Secondary
Integration and CLASP Instrument

- Waveplate
- Slit & Slitjaw camera
- Spectrograph mirrors  
  - Grating just off image
Cameras

• 2 spectrograph cameras
• 1 slitjaw camera
YAAASS!!

Ready for WSMR!
Packing
Ship and Unpack

White Sand Missile Range
GSE Set up
Functional Tests
Sun Sensors
Install/Alignment
Heliostat
Crush Bumper
Vibration Tests
On the rail
Rail house
Launch


3,200 sq mi
Recovery