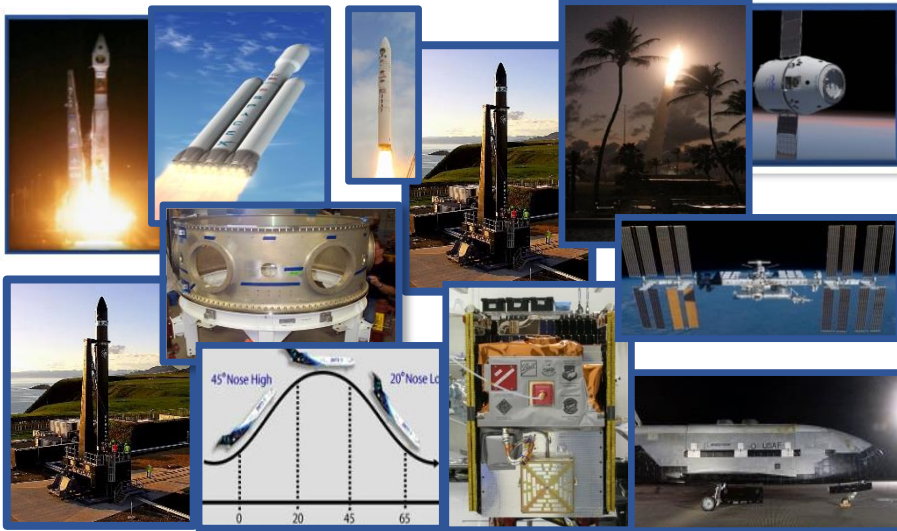




Space Test Program



Small Payload Ride Share Association



Heritage / Schedule Information:

- 50 years of experience, 231 missions, 552 experiments
- Dedicated small launches every 2 years (S-28)
- Dedicated intermediate launch every 4 years (STP-4, 5)
- A multitude of opportunities in the foreseeable future

Organization Information:

- Rideshare Mission Manager:
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- Mission Design Lead:
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*SIPR available at appropriate levels

Product / Service Information:

- “Front door” for all auxiliary DoD payloads
- Multiple avenues for access to space:
 - Primary Payloads
 - Hosted Payloads
 - Rideshare
- Wide selection of orbital parameters (inclination, alt, etc.)
- Partnerships with fellow agencies (NASA, NRO, etc)
- Access to ISS for unique capabilities/services
 - Manned
 - Long term access



STP Space Efforts/Capabilities



Small Payload Ride Share Association

Primary Payload	Example(s)
SV that separates from the Launch Vehicle; Primary payload typically procures the launch service	<ul style="list-style-type: none"> - STP-2 <ul style="list-style-type: none"> -- DSX STP-3 <ul style="list-style-type: none"> -- STPSat-6
Hosted Payload Rideshare	
Attached to Primary SV or structure that requires services from host space vehicle (SV) (power, data, comm.); Leverages launch service of the primary SV	<ul style="list-style-type: none"> - STPSat-5 - STP-2 <ul style="list-style-type: none"> -- GPIM -- OTB
Free-Flyer Rideshare	
Complete SV that separates from the launch vehicle or adapter; Leverages launch service of the primary	<ul style="list-style-type: none"> - EAGLE ✓ CubeSats ✓ ESPA on EELV ✓ Commercial Rideshare

Toolbox for Affordable Space Access

- Zero-G/Suborbital
 - NASA “Vomit Comet” & Sounding Rockets
- S/C Payload Hosting (LEO to GEO)
 - Government Hosted Payloads
 - Commercially Hosted Payloads (HoPS)
- Orbiting Platforms (LEO)
 - International Space Station
 - X-37B
- Free-flyer Rideshare (LEO to GEO)
 - Government Rideshare
 - Commercial Rideshare
- Small Launch (LEO)
 - NASA Launch Services
 - “One-off” Launch Service Acquisition
- Medium/Heavy Launch (LEO to GEO)
 - EELV, OSP-3
 - “One-off” Launch Service Acquisition