



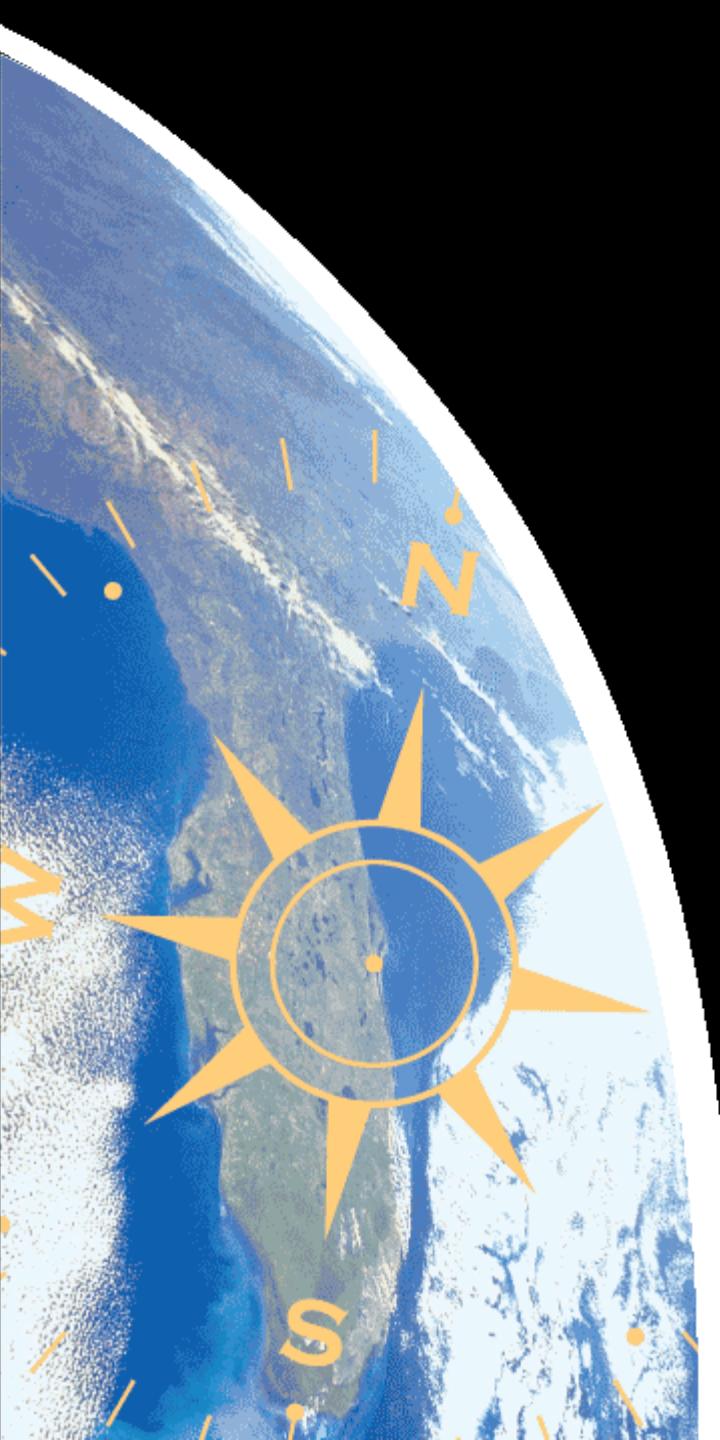
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Florida Space Authority

FLORIDA: THE PLACE FOR SPACE

***COMSTAC Launch Operations
and Support Working Group***

*May 23, 2006
Patrick McCarthy
Manager, Spaceport Operations*





Overview

- Recent Cape Launches
- Upcoming Launch Calendar
- On-going Projects
- Future

Recent Cape Launches

Trident II D5
FCET-34
09 Dec 05



Atlas V
New Horizons
19 Jan 06



AV-010
(551)

Atlas V
ASTRA 1KR
20 April 06



AV-008
(411)

Super Loki
17 May 06





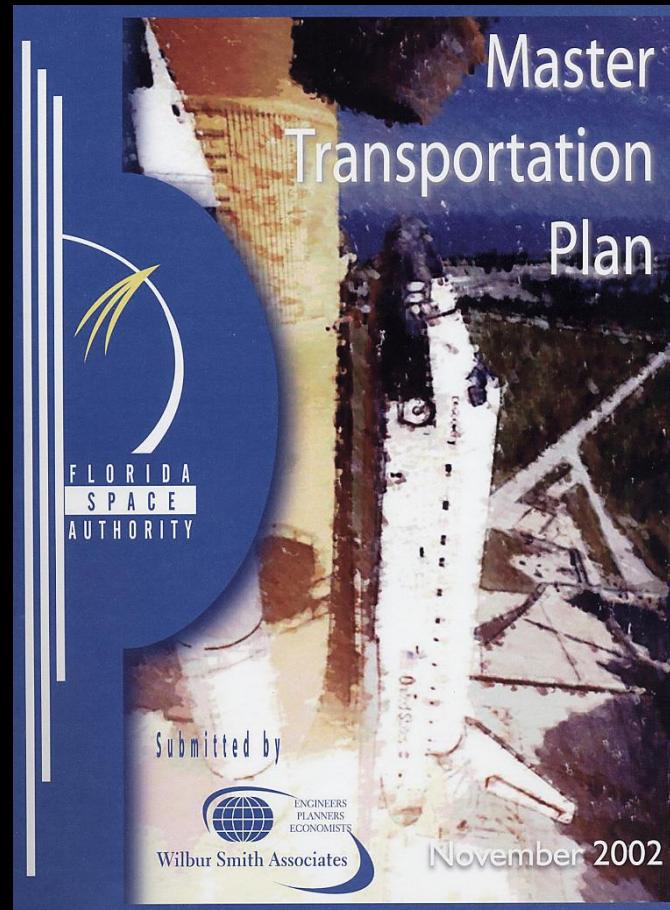
Upcoming Launch Calendar

- 24 May – Delta IV / GOES-N
- 19 Jun – Delta II / MiTEX
- 01 Jul – STS-121
- 22 Jul – Delta II / STEREO
- 28 Aug (NET) – STS-115
- 12 Oct – Atlas V / Orbital Express/STP-1
- 19 Oct – Delta II / Themis
- 16 Nov (NET) – STS-116



On-going Projects

Spaceport Transportation & Planning



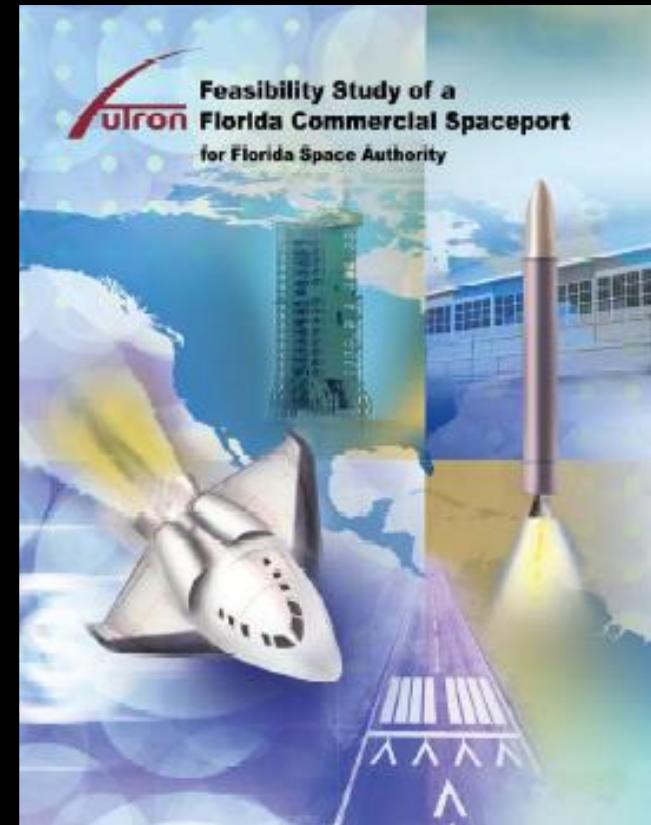


Space Transportation cont.

- 2003 – FSA Executive Director named to Statewide Intermodal Transportation Advisory Council (SITAC)
 - Cape Canaveral Spaceport identified as a hub on the state's Strategic Intermodal System
- 2005 – FSA Executive Director named to Florida Transportation Plan 2025 Update Steering Committee
 - Plan recognizes space and commercial spaceports in state's long-term planning

Commercial Spaceport Study

- Futron Study:
 - Development of a responsive spaceport concept and capabilities
 - Assessment of demand for a responsive spaceport
 - Economic benefit of a responsive spaceport





Commercial Spaceport cont.

- Florida Space Commission Recommendation
 - “Plan and develop a commercial spaceport targeted initially at horizontal launches and located separately from the federal lands at the Cape.”
 - “State should specify infrastructure and operational requirements...and initiate a competitive proposal process...”
- Objective: Identify airports/locations interested in receiving launch site operator’s license
 - Collect infrastructure data
 - Collect information on Concept of Operations proposed for commercial space

Commercial Spaceport cont.

- Assist interested Florida airports with FAA spaceport approval process/LSO license
- Develop generic Memorandum of Agreement with partner airport
 - Key MOA components:
 - Project description
 - Purpose
 - Areas of responsibility
- Form Commercial Spaceport Working Group



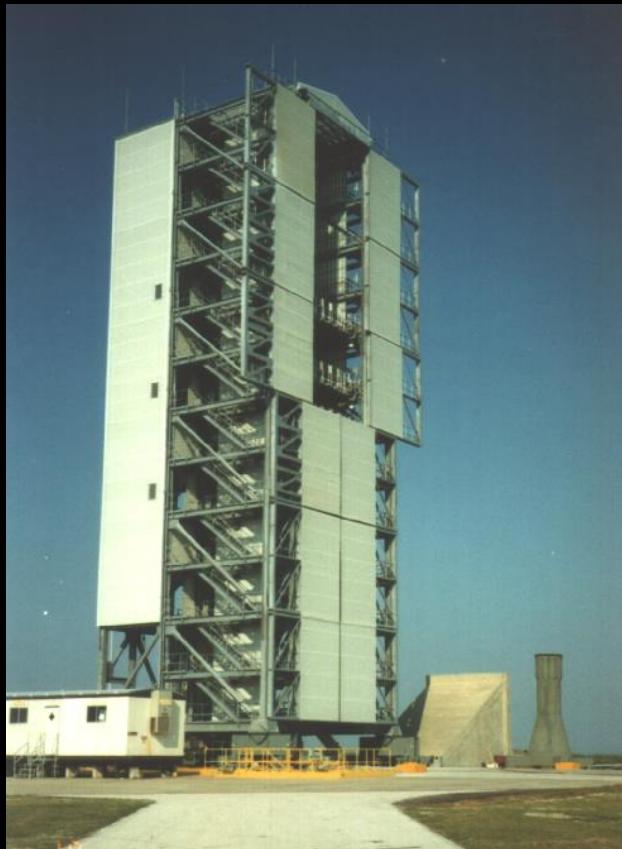


Florida Space Business Development Group

- Crew Exploration Vehicle
 - Frequent Contact with CEV Teams
 - Operations and Checkout Building
 - Build Awareness / Support
 - Dialogue / Partnership with NASA
- Commercial Orbital Transportation Services
 - Working closely with FAA, USAF, NASA and other potential organizations that can accommodate the needs of the COTS bidders



Launch Complex 46



- Renewal of real property lease from USAF
- Launch Site Operator's license renewal



Florida Suborbital Small Rocket Program



- Joint educational venture
 - 45th Space Wing
 - FSA
 - BCC/UCF/FSI
- No-cost, commercial license for Complex 47
- Hands-on experience for educational purposes
- First of two Range Safety re-qualification launches
17 May 06
- Educational launches resume after Safety analysis complete



Florida's Space Pioneer Cup Competition

- University Rocket Launch Competition
 - Launch student-designed and -built rockets into space
- 45th Space Wing & FSA working closely with student teams from Florida universities
- Teaches how to interface with Federal Range
- Developing rulebook for future competitions
 - Structured similarly to SAE and AIAA design contests
 - Spells out critical design parameters and safety requirements
- Expect to grow this nationally



Reusable Launch Vehicle (RLV) Hangar



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Solid Rocket Motor Upgrade (SRMU) Facility





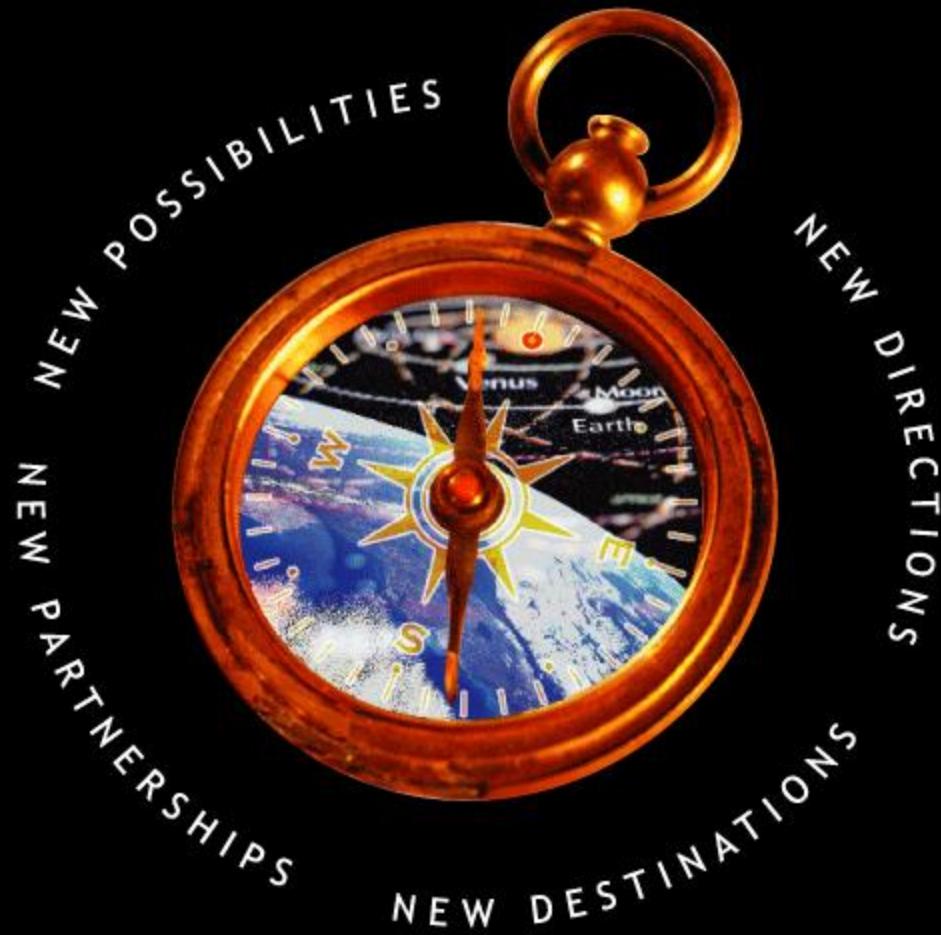
Future



2006 Florida Space Legislation

- Directed to consolidate three state space entities into one
 - Florida Space Authority – FSA
 - Florida Space Research Institute – FSRI
 - Florida Aerospace Finance Corp – FAFC
- Become *SpaceFlorida* as of 01 Sept 06
 - Select new Board of Directors by 01 July
 - Board of Directors meet by 01 August
 - Select new President by 01 September

Florida Space Authority



Florida: The Place For Space



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