SPACEPORT FLORIDA ORGANIZATION

- ESTABLISHED BY THE STATE LEGISLATURE IN 1989.

- CREATED AS A PUBLIC CORPORATION AND SUBDIVISION OF STATE GOVERNMENT.

- EXECUTIVE DIRECTOR REPORTS TO NINE-MEMBER BOARD OF SUPERVISORS.

- SMALL, MULTI-DISCIPLINARY STAFF (9 PERSONS).

- OFFICES LOCATED IN VICINITY OF KENNEDY SPACE CENTER AND CAPE CANAVERAL AIR FORCE STATION.
SPACEPORT FLORIDA
OBJECTIVE

• TO BRING TO FLORIDA ADDITIONAL COMPONENTS OF THE NATION'S COMMERCIAL, CIVIL, AND MILITARY SPACE PROGRAMS

* SUPPORTING AND AUGMENTING THE NATIONAL SPACE CAPABILITY.

* RETAINING AND STRENGTHENING THE U.S. LAUNCH INDUSTRY.

* DEVELOPING SPACE-RELATED RESEARCH AND MANUFACTURING CAPABILITIES.

* INCREASING UNIVERSITY PARTICIPATION IN SPACE-RELATED RESEARCH.
SPACEPORT FLORIDA
CURRENT INITIATIVES

• COMMERCIAL LAUNCH INFRASTRUCTURE AND SYSTEMS MODERNIZATION PROGRAM
  * ADVANCED LAUNCH CONTROL CENTER
• CAPE SAN BLAS LAUNCH PROGRAM
  * UNIVERSITY CURRICULUM DEVELOPMENT
• SPACEPORT FLORIDA LABORATORIES
• NATIONAL LAUNCH DEVELOPMENT CENTER
• BOND FINANCE PROJECTS
• TELECOMMUNICATIONS NASA CCDS
SPACEPORT FLORIDA
SPACE RESEARCH EXPERIMENT PROGRAM

OBJECTIVES

1. PROVIDE UNIVERSITY RESEARCHERS WITH RAPID ACCESS TO SPACE.

2. PROMOTE RESEARCH ON ENVIRONMENTAL MONITORING LEADING TO A BETTER UNDERSTANDING OF GLOBAL CHANGE.

3. ASSIST IN THE ESTABLISHMENT OF FLORIDA AS A LEADER IN SPACE-RELATED RESEARCH WHICH WILL LEAD TO A LARGER SHARE OF COMMERCIAL SPACE ENTERPRISE.

4. STIMULATE STUDENT INTEREST IN SPACE TO HELP ESTABLISH A WORK FORCE ATTUNED TO 21ST CENTURY TECHNOLOGY.
SPACEPORT FLORIDA
SPACE RESEARCH EXPERIMENT PROGRAM

PROGRAM ASSETS

- CAPE SAN BLAS FACILITY
  LAUNCH CONTROL VAN AND LAUNCHER
  VIPER III/SUPER LOKI ROCKETS
  GROUND TRACKING AND TELEMETRY (USAF)
  PAYLOAD RECOVERY CAPABILITY

- SPACEPORT FLORIDA LABORATORIES
  PAYLOAD FLIGHT QUALIFICATION TEST FACILITY
  PAYLOAD DEVELOPMENT FACILITY

- INCUBATOR FACILITY

- SPACEHAB LOCKERS RESERVATION
SPACEPORT FLORIDA
CAPE SAN BLAS LAUNCH PROGRAM

- SUB-ORBITAL LAUNCH FACILITY IN GULF COUNTY FOR UNIVERSITY-DEVELOPED AND SMALL COMMERCIAL PAYLOADS.

- FACILITY ACTIVATION (INCLUDING LAUNCH VEHICLES AND SUPPORT EQUIPMENT) UNDER CONTRACT TO ORBITAL SCIENCES CORPORATION.

- FIRST SAN BLAS LAUNCH SCHEDULED IN DEC. 1991 *F.S.U. METEOROLOGICAL PAYLOAD

- ANTICIPATED SHORT TERM LAUNCH RATE OF SIX PER YEAR.

- SOLAR ECLIPSE LAUNCH ON JULY 11 FOR F.I.T. AT SANTIAGO IXCUINTLA, MEXICO
FIGURE 5.1 SUPER LOKI INSTRUMENT DART VEHICLE
Figure 1-2. Typical Meteorological Sounding Rocket System
# Spaceport Florida
## Space Research Experiment Program

### Launch Vehicle Characteristics

**Sounding Rocket Performance Characteristics**
[As provided by the manufacturer, Space Data Division (SDD) of the Orbital Sciences Corporation (OSC)].

#### Dart Configuration

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<th>Payload LN.</th>
<th>Payload DIA.</th>
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<td>16.5</td>
<td>31 in.</td>
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<td>25 in.</td>
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<td>13.5</td>
<td>22 in.</td>
<td>1 1/2</td>
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#### Super Loki

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<th>Kft</th>
<th>Sec</th>
<th>Dart Apogee</th>
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<td>1</td>
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<td></td>
<td>SONDE</td>
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<td>F.I.T.</td>
<td>SECC-1</td>
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SPACEPORT FLORIDA
SPACE RESEARCH EXPERIMENT PROGRAM

POTENTIAL AREAS OF INVESTIGATION

SCIENCE
METEOROLOGY
  STRATOSPHERIC TRACE GAS MEASUREMENT (OZONE)
  UPPER ATMOSPHERIC PROFILES
ASTRONOMY
  SOLAR PHENOMENA
  STAR SCINTILLATION
PHYSICS
  MICROGRAVITY EFFECTS
  COMMUNICATION SPECTRUM STUDIES
ENGINEERING
  SENSOR DEVELOPMENT
  SATELLITE SYSTEM QUALIFICATION
  COMMUNICATION SYSTEM TESTING
SPACEPORT FLORIDA

SPACEPORT FLORIDA LABORATORIES

- PROCESSING FACILITY FOR SMALL UNIVERSITY, NASA CCDS, OR COMMERCIAL PAYLOADS (FOR SOUNding ROCKETS, ORBITAL ELVs, AND SPACE SHUTTLES)

- TESTBED FOR ADVANCED LAUNCH CONTROL SYSTEMS

- LOCATED ADJACENT TO KENNEDY SPACE CENTER, AND MANAGED BY SPACEPORT AUTHORITY

- INCUBATOR CAPACITY FOR SMALL AND ENTREPRENEUTIAL FIRMS

- LABORATORY AND TEACHING FACILITY FOR SPACE SCIENCES AND ENGINEERING

- FULLY EQUIPPED FOR PAYLOAD OPERATIONS