Introduction to Orbital Sciences Corporation

Presented to
NASA OSSA Suborbital Science Sounding Rocket Workshop

Prepared by
Space Data Division
Orbital Sciences Corporation

12 November 1991
Introduction to Orbital Sciences Corporation

• Market Leader in Small Space Systems
  – Over 150 Launch Vehicles and Satellites Under Contract, Representing $750 Million Order Backlog

• Technology Innovator and Low-Cost Producer in Small Space Systems
  – Suborbital and Space Launch Vehicles
  – Orbit Transfer Vehicles
  – Spacecraft Systems and Payloads
  – Satellite-Based Communications and Remote Sensing Services

• Strong Industrial and Financial Capabilities
  – Over 800 People on Staff, Including 475 Engineers and Scientists
  – Over 350,000 Square Feet of Engineering, Manufacturing and Administrative Facilities
  – Approximately $130 Million in Projected 1991 Sales; $135M in Total Assets
Orbital's Manpower, Facilities and Financial Growth

Number of Employees (End of Year)

40 70 370 550 700 850

Annual Revenues ($Millions)

4 25 35 80 100 130

R&D Laboratory
Boulder, CO

Corporate Headquarters
Fairfax, VA

Manufacturing and Test Facilities
Chandler, AZ
Orbital's Organization and Management Team

Outside Members
Board of Directors
Fred C. Alcorn
Kelly H. Burke
Daniel J. Fink
Jack L. Kerrebrook*
J. Paul Kinloch

President and CEO
David W. Thompson

Executive VP and COO
Bruce W. Ferguson

VP/Finance and
Administration and CFO
Carlton B. Crenshaw

Corporate VP & President/
Space Systems Division
Robert R. Lovell

Division EVP
John H. Mehoves

Space Launch Vehicles
Orbital Transfer Vehicles
Spacecraft Systems

Corporate VP & President/
Space Data Division
Scott L. Webster

Division EVP
Donald W. Tutwiler

Suborbital Launch Vehicles
Space Payloads and Experiments
Satellite Tracking Systems
Meteorological Products

Satellite Communications Services
Environmental Monitoring Services

Outside Members
Board of Directors (cont'd)
Douglas S. Luke
John L. McLucas*
Thomas O. Paine
Harrison H. Schmitt
Richard J. Schwartz

VP and General Counsel
Leslie C. Seeman

*Subsidiary Board (Orbital Research Corporation)
Space Data-Products and Services

- Launch Vehicles/Services
  - Unguided
  - Program Guided
  - Inertially Guided

- Payloads
  - Bus
  - Payload Support System
  - Payload Integration

- Support Equipment
  - Launchers
  - Vehicle Handling Equipment

- Tracking and Telemetry Products

- Meteorological Products
Space Transportation Systems

Space Launch Vehicles

Orbit Transfer Vehicles

Suborbital Launch Vehicles
Spacecraft and Space Support Systems

Spacecraft Systems

Space Support Products

Space Payloads
Turn-Key Suborbital Launch Services and Support Systems

Complete vehicle design and analysis

Low-cost fabrication and component assembly

Proven final assembly and test

Demonstrated instrument and payload integration

Worldwide launch operations

Reliable payload recovery systems

Complete range support systems

Versatile tracking and data collection systems

Modular payload and mission support systems

State-of-the-art launchers and ground support equipment
## Representative Space Data-Produced Launch Vehicles
