# Microgravity environment of the Space Shuttle Columbia payload bay during STS-32

# Lyndon B. Johnson Space Center - Space Shuttle Project — Google Arts & Culture

Description: -

Taiwano dialect -- Texts.

Morris & Co. (London, England) -- Exhibitions.

Russia (1923- U.S.S.R.). -- Voenno-Morskoĭ Flot. -- Amurskaia

voennaia flotiliia

Arithmetic

Metaphysics -- Early works to 1800

Bishops -- Ontario -- Kingston -- Biography.

Phelan, Patrick, -- 1795-1857.

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Transportation -- Decision making -- Mathematical models.

Reduced gravity

Columbia (Orbiter)

Accelerometersmicrogravity environment of the Space Shuttle

Columbia payload bay during STS-32

-microgravity environment of the Space Shuttle Columbia payload

bay during STS-32

Notes: Includes bibliographical references; p. 13.

This edition was published in 1991



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#environment #of #the #Space #Shuttle #Columbia #middeck #during #STS

### STS

Later evaluations by a failure review board indicated that the most probable cause was arcing from the electrically charged tether to the deployment mechanism because of a small defect in the tether's insulation sheath.

#### Shuttle Columbia Tragedy

These data were measured using the High Resolution Accelerometer Package and the Aerodynamic Coefficient Identification Package which were mounted on the Orbiter keel in the aft payload bay.

# NASA

STS-54 Mission: TDRS-F; DXS Space Shuttle: Endeavour Launch Pad: 39B Launched: January 13, 1993, 8:59:30 a. Baker, Mission Specialists Shannon W.

# **Space Shuttle Mission Chronology: Part 3**

After a highly successful mission, STS-73 landed at Kennedy Space Center KSC on November 5, 1995. The German Space Agency DARA and the Italian Space Agency ASI provided the X-SAR instrument.

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STS-65 marked second flight of International Microgravity Laboratory IML-2, carrying more than twice the number of experiments and facilities as IML-1. Landing: November 1, 1993, 07:05:42 a.

#### **NASA**

Wang, who also was the principal investigator, got into his work - literally. After a successful mission, Atlantis returned to Edwards Air Force Base, California, on March 31. PDT Mission Duration: 11 days, 5 hours, 46 minutes, 8 seconds Orbit Altitude: 120 nautical miles Orbit Inclination: 57 degrees STS-68 marked second flight in 1994 of Space Radar Laboratory first flight was STS-59 in April, part of NASA's Mission to Planet Earth.

# Shuttle Columbia Tragedy

Primary mission objectives included the deployment of the Navy's Syncom IV-F5 defense communications satellite also known as LEASAT-5 and the retrieval of NASA's Long Duration Exposure Facility LDEF placed in Earth orbit in 1984. Martin Glicksman of the Rensselaer Polytechnic Institute continued his study of the dynamics of dendrite formation with the second flight of the Isothermal Dendritic Growth Experiment on the USMP-3 mission in February 1996.

#### **LSDA Mission**

Thomas and Payload Specialist Chiaki Naito-Mukai.

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