



Smithsonian

National Air and Space Museum

Space Acceleration Measurement Unit System (SAMS) Collection

2002

National Air and Space Museum Archives
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Collection Overview

Repository:	National Air and Space Museum Archives
Title:	Space Acceleration Measurement Unit System (SAMS) Collection
Date:	[ca. 1990s]
Identifier:	NASM.2000.0040
Creator:	United States. National Aeronautics and Space Administration
Extent:	2.18 Cubic feet ((3 legal document boxes) (1 flatbox))
Language:	English .

Administrative Information

Acquisition Information

NASA Glenn Research Center, Transfer, 2000, 2000-0040, Public Domain

Restrictions

No restrictions on access

Conditions Governing Use

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Biographical / Historical

The Space Acceleration Measurement Unit System (SAMS) is an acceleration measurement and data acquisition instrument, not a classical micro gravity research experiment. SAMS consists of a main unit and up to three remotely positioned triaxial sensor heads. The data is used to provide investigators with a time history of this environment to improve for future experiment design. This instrument was flown on the Space Shuttle and Mir Space Station, from 1994 to 1998.

Scope and Contents

This collection consists of the following types of documentation relating to SAMS: test plans and reports; drawings; maintenance logs; and memorandums and correspondence. This collection also contains optical discs from the SAMS/MIR project, which contain the raw data.

General

Additional materials: The actual artifact, project decals and official SAMS log books are housed in the National Air and Space Museum Department of Space History.

General

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Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

- Astronautics
- Reduced gravity environments
- Space Acceleration Measurement Unit System (SAMS)
- Space shuttles

Types of Materials:

- Correspondence
- Drawings
- Logs (records)
- Optical disks
- Reports

Names:

- Mir (Space station)
- United States. National Aeronautics and Space Administration