



# Smithsonian

*National Air and Space Museum*

## Space Shuttle Enterprise OV-101 Film Footage

2002

National Air and Space Museum Archives  
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## Collection Overview

<b>Repository:</b>	National Air and Space Museum Archives
<b>Title:</b>	Space Shuttle Enterprise OV-101 Film Footage
<b>Date:</b>	[ca. 1970s]
<b>Identifier:</b>	NASM.2000.0017
<b>Creator:</b>	United States. National Aeronautics and Space Administration
<b>Extent:</b>	2.18 Cubic feet ((2 records center boxes))
<b>Language:</b>	English .

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## Administrative Information

### Acquisition Information

Glen E. Swanson, NASA Johnson, Gift, 2000, 2000-0017, Public Domain

### Restrictions

No restrictions on access

### Conditions Governing Use

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## Biographical / Historical

The first Space Shuttle, Enterprise (OV-101), was a test vehicle designed to operate in the atmosphere; it was not equipped for spaceflight. The Enterprise was rolled out at Rockwell International's assembly facility in Palmdale, California in 1976. In 1977, it entered service at NASA's Dryden Flight Research Center, Edwards Air Force Base, for a nine-month-long approach and landing test program. The main role of the test vehicle Enterprise was to check the Shuttle's flight characteristics and performance. The vehicle was flown atop the Boeing 747 Shuttle carrier aircraft and also released for piloted free-flights and landings to check out all systems and performance characteristics. This test program was a necessary prelude to the first orbital flight by the Space Shuttle Columbia in 1981. In 1985, NASA transferred Enterprise to the Smithsonian Institution's National Air and Space Museum.

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## Scope and Contents

This collection consists of the following twenty-two 16mm films relating to the Space Shuttle Enterprise OV-101: 747/F-104 Shuttle Orbiter Launch Simulation; Orbiter/747 Separation (Wind Tunnel); Computer Programmer Graphics; NASA 747 Wake Vortex Tests; Mission Profile - Shuttle Approach and Landing Tests; Space Shuttle Free Flight #4; Space Shuttle Free Flight #5; Space Shuttle Free Flight #1: On Board; Space Shuttle Free Flight #2; Space Shuttle Free Flight #1; Space Shuttle Free Flight #3: Approach and Landing

Test Chase Highlights; Approach and Landing Test: Tracking Cameras; Space Station Assembly #1; Space Station Assembly #1; Space Station Assembly #1; Space Shuttle Free Flight#5: On Board; Space Shuttle Free Flight #1; Space Shuttle Free Flight #4: On Board; Speech Support; Space Shuttle Free Flight #1; Space Shuttle Free Flight #2: On Board; and Space Shuttle Free Flight #3: On Board.

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## 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
- Manned space flight
- Space shuttles

### Types of Materials:

- Motion pictures (visual works)

### Names:

- Enterprise (Space shuttle)
- National Air and Space Museum (U.S.)
- United States. National Aeronautics and Space Administration