



# Smithsonian

*National Air and Space Museum*

## International Ultraviolet Explorer (IUE) Satellite Notebooks

2012

National Air and Space Museum Archives  
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## Collection Overview

<b>Repository:</b>	National Air and Space Museum Archives
<b>Title:</b>	International Ultraviolet Explorer (IUE) Satellite Notebooks
<b>Date:</b>	(bulk 1973-1976)
<b>Identifier:</b>	NASM.2012.0022
<b>Creator:</b>	Harner, Dick
<b>Extent:</b>	0.36 Cubic feet ((1 box))
<b>Language:</b>	English .

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## Administrative Information

### Acquisition Information

Dick Harner, Gift, 2012

### Preferred Citation

International Ultraviolet Explorer (IUE) Satellite Notebooks, Accession 2012-0022, National Air and Space Museum, Smithsonian Institution.

### Restrictions

No restrictions on access.

### Conditions Governing Use

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## Biographical / Historical

The International Ultraviolet Explorer (IUE) was the first experiment to explore the full range of ultraviolet radiation from the universe. The IUE was a satellite sponsored and operated jointly by the National Aeronautics and Space Administration (NASA), the United Kingdom's Science and Engineering Research Council (SERC) and the European Space Agency (ESA), and dedicated to gathering astronomical data in the ultraviolet range of the spectrum. The IUE was launched by a Thor-Delta rocket on January 26, 1978 and placed into a geosynchronous orbit around the Earth. It carried a 45-centimeter Cassegrain reflecting telescope with two spectrographs, collected spectral data in real time and was capable of being operated by a visiting astronomer at one of two ground stations: in Madrid, Spain, and at NASA's Goddard Space Flight Center. The observer could perform preliminary evaluation and analysis during the observing session, operating the system much like a modern ground-based telescope. In its 18 years of operation the IUE provided data for thousands of scientific papers. IUE real time operations terminated on September 27, 1996.

## Scope and Contents

This collection consists of two 8 by 10 inch green notebooks, which chart the construction of the International Ultraviolet Explorer (IUE) Satellite. Book one records from October 1, 1973 until September 16, 1974. Book two records from September 17, 1974 until January 9, 1976. The books contain black and white photographs with related notations.

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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:

- Artificial satellites
- Artificial satellites -- Tracking
- Astronautics
- International Ultraviolet Explorer
- Ultraviolet spectrometry

Types of Materials:

- Notebooks