

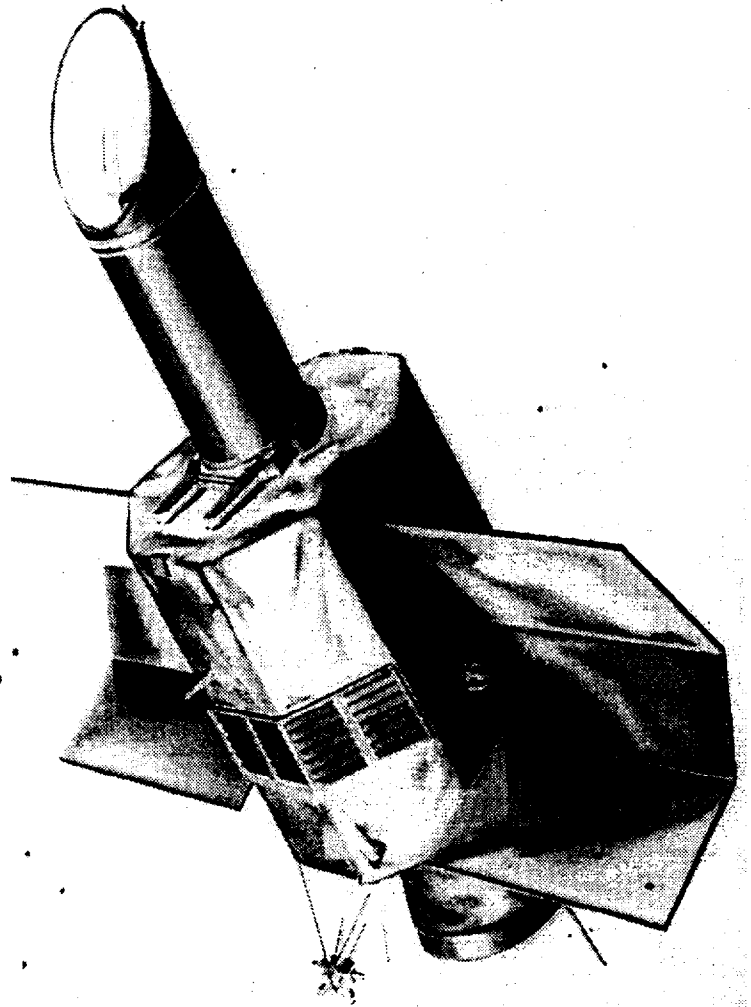
---

# International Ultraviolet Explorer (IUE)

---

NASA NEWSLETTER

35



National Aeronautics and  
Space Administration



**Goddard Space Flight Center**  
Greenbelt, Maryland  
20771

NASA NEWSLETTER FOR  
INTERNATIONAL ULTRAVIOLET EXPLORER (IUE)  
No. 35.

July 15, 1988

Dear Colleague:

It is a pleasure to transmit to you IUE NEWSLETTER No. 35 which consists of 262 pages. This is a new record for sheer volume and shows a healthy interest in matters concerning the IUE, but also highlights a growing problem. Although we greatly welcome worthwhile contributions to the NEWSLETTER, we would like to recommend that authors adhere to a policy of compactness in text and, particularly, reduce the space requirements for tables and figures. Many graphs and tabulations in this issue could be presented in compressed form without loss of information. Our financial resources for publishing the NEWSLETTER are not unlimited and an alternative would be to reject bulky manuscripts in their entirety.

A Table of Contents is shown on the following pages. Items marked with an asterisk are reprinted from the European ESA NEWSLETTER.

As usual, the support from contributors and the preparation of the manuscript by Ms. Mona Drexler are greatly appreciated.

Sincerely,

*Walter A. Feibelman*

Walter A. Feibelman

Code 684.1

Laboratory for Astronomy  
and Solar Physics

<u>Contents</u>	<u>Pages</u>
<u>Titles and Contributors</u>	
IUE News. C. L. Imhoff	1 - 6
IUE Catalogues and Atlases. Y. Kondo	7 - 8
IUE Policies and Procedures. C. L. Imhoff	9 - 28
IUESIPS Processing on the VAX 8350. J. Nichols-Bohlin	29 - 50
Response Time of the IUE Cameras at the UVC Setting of -5.0 KV. D. M. Crenshaw	51 - 54
Comparison of the Old and New LWP Absolute Calibrations. N. A. Oliverson	55 - 72
The Effects of the Command Decoder Cycles on Short Time Exposures. N. A. Oliverson	73 - 78
Widths of LWR and LWP Trailed Spectra. C. A. Grady and M. P. Garhart	79 - 90
Daily IUE Peak Radiation Levels. E. A. Park and R. Arquilla	91 - 98
IUE Low Dispersion Sensitivity Monitoring XIV. M. P. Garhart and T. J. Teays	99 - 107
IUE Data Reduction: XXXV. R. Thompson	108 - 132
IUE Data Reduction: XXXVI. R. Thompson	133 - 136
A Test of the SWP Echelle-Mode Calibration for Late-Type Emission Line Sources. T. Ayres	137 - 140
Spectrophotometric Standards for HST and the UV Calibration of IUE. R. C. Bohlin	141 - 160
The Ultraviolet Calibration of the Hubble Space Telescope: III. A Correction for the Change in Sensitivity of the LWR Camera on IUE. R. C. Bohlin	161 - 199

	<u>Pages</u>
Requesting IUE Data via SPAN. C. M. Perry	200 - 202
*Study of the Transmission of the Shortwavelength Small Aperture. Preliminary Report. A. Talavera.	203 - 204
*Study of the new LWP ITF (ITF2). A. Cassatella and C. Lloyd	205 - 224
*Absolute Calibration of the LWP with ITF2. A. Cassatella, C. Lloyd, and G. Riestra	225 - 237
Approved NASA IUE Programs for the 11th Year.	238 - 244
Approved European IUE Programs for the 11th Year.	245 - 252
Preprints and Reprints Received since IUE NEWSLETTER No. 33. D. M. Crenshaw, O. W. Bruegman, and E. A. Park	253 - 262

#### ERRATUM

Due to a printer's error in the IUE Atlas of Planetary Nebulae, Central Stars, and Related Objects (NASA Ref. Publ. #1203 by Feibelman, Oliverson, Nichols-Bohlin, and Garhart) which was mailed in July, six planetaries were printed out-of-sequence. These are items 22 to 27 in Table 1 of the Atlas which appear instead on pages 81 to 86, causing the page numbers of items 28 to 86 in Table 1 to be off by 6 pages. Resuming with page 87, the pagination is correct again.

The errors are in pagination only. Table 1, the headings of plots, image sequence numbers, etc. are correct. We apologize for this oversight and regret any inconvenience this may cause you in using the Atlas.