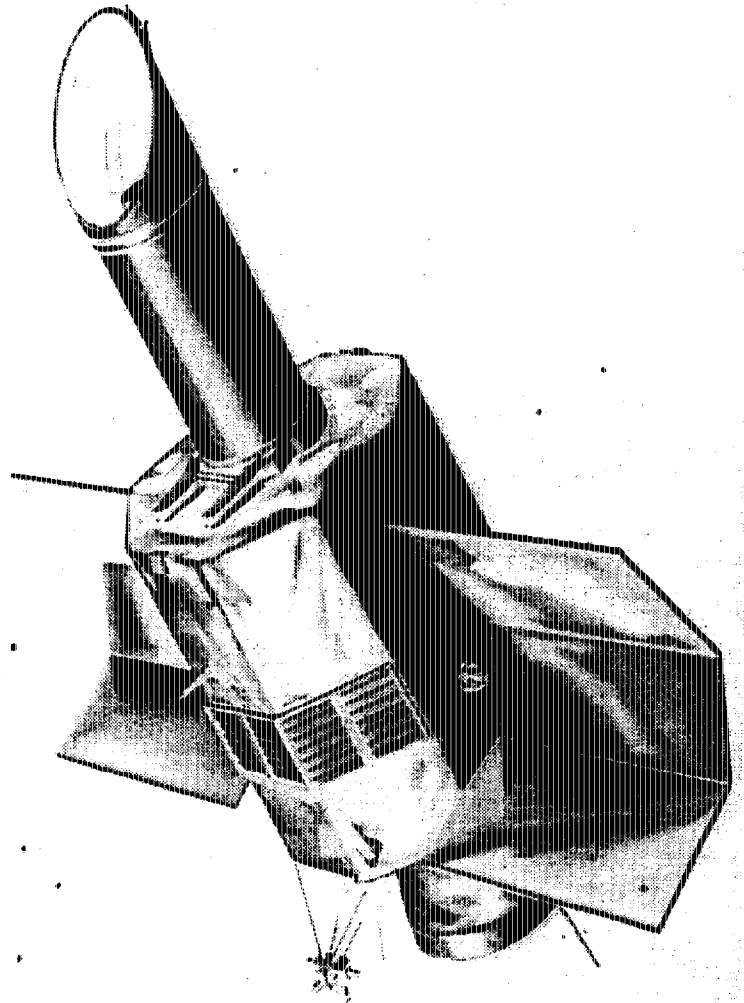

International Ultraviolet Explorer (IUE)

NASA NEWSLETTER

18



National Aeronautics and
Space Administration



Goddard Space Flight Center
Greenbelt, Maryland
20771

NASA NEWSLETTER FOR
INTERNATIONAL ULTRAVIOLET EXPLORER (IUE)

NO. 18

Dear Colleagues:

We are pleased to send you the IUE Newsletter No. 18, which contains the merged log of observations covering the period of April 1, 1981 through November 30, 1981 as well as other items of interest to the IUE users.

As announced on page 1 of this issue, Dr. Albert Boggess has left the IUE project as its Project Scientist. His untiring dedication and leadership have been essential to the phenomenal success of the IUE. We wish to express our heartfelt thanks to Al for his invaluable contributions.

As always, Mona Cooper and Dr. Peter Perry provided the essential support in preparation of this Newsletter.

Sincerely,


Yoji Kondo

Code 683

CONTENTS

<u>Title and Contributor</u>	<u>Pages</u>
Announcement by A. Boggess	1
NASA Approved IUE Programs for the Fifth Year by J.K. Kalinowski	2 - 9
The IUE Status by A. Holm	10 - 16
Return of Guest Observer Tapes	17
New IUE Data Product Shipping Procedure by E. Gowing	18
Notice to Guest Observers	19
Notice to IUE Observers by J. Mead and S. Heap	20
IUE Data Reduction:	
XXIV. Implementation of New High Dispersion Software: Summary of Output Format Changes by B. Turnrose, R. Thompson, and R. Bohlin	21 - 28
XXV. Implementation of Basic Improvements to Extraction of High Dispersion Spectra by R. Bohlin and B. Turnrose	29 - 44
XXVI. Automatic Registration of the Extraction Slit with the Spectral Format by R. Thompson and R. Bohlin	45 - 50
XXVII. Improvements to the Visibility of Spectral Features on IUE Photowrites by R. Thompson, B. Turnrose and R. Bohlin	51 - 55
Photometric Consequences of the Microphonic Avoidance Technique by A. Holm and R. Panek	56 - 61
IUE News Notes by C. Imhoff	62 - 63
Quick Look Sensitivity Monitoring by F. Schiffer	64 - 67
Recommended Dimensions for Calibration of Trailed Spectra and Spectra of Extended Objects by R. Panek	68 - 76
IUE Observatory Schedule for October 1981 through March 1982 by C. Imhoff	77 - 84
NASA IUE Preprints by D. West	85 - 87
IUE Merged Log of Observations for April 1 through November 30, 1981 by T. Ake	88 - 223
Erratum: 1	224
2	225