

Final Archive Processing on Request Now Available

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Are you interested in analyzing the new IUE Final Archive data but your favorite image has not been processed yet? We are now accepting requests to put your images at the front of the processing queue.

Currently you may request NEWSIPS processing for SWP and LWP low-dispersion images taken at Goddard before January 1, 1990. As other datasets become available, they will be added to our request service. Please check the IUEDAC e-mail newsletter for updates on data set availability. If you would like to be added to the e-mail newsletter distribution list, please send your e-mail address to IUEDAC::NEWS (or news@iuedac.gsfc.nasa.gov).

In order to handle your images quickly and accurately, we have devised an automated method to put your request into our processing database. To do this, send an e-mail message in the correct format to USRREQ@IUEGTC.GSFC.NASA.GOV.

The IUE Data Analysis Center (IUEDAC) has a new procedure, USRREQ, to properly format your request and submit it. For those not familiar with the IUEDAC software, please contact Randy Thompson (301-286-8800, IUEDAC::RTHOMPSON, rthompson@iuedac.gsfc.nasa.gov) for assistance with getting started. For those familiar with the IUEDAC software, but who do not currently have an user account or their own installation, the IUEORDER account is available for your use (please contact Randy Thompson for the current password). For those with their own installation of the software and who would like to add the new procedure, please see the README file in the pub/beta subdirectory of the anonymous ftp account on iuesn1.gsfc.nasa.gov.

The procedure USRREQ is much like the procedure IUEFX. The calling sequence is:

```
USRREQ, DUMMY, name=name, email=email, phone=phone, affl=affl,    $  
      filename=filename
```

For instance,

```
USRREQ, DUMMY, name='Joe Astronomer', email='joe@some.computer.edu', $  
      phone='555-555-5555', affil='University of Life', filename='list.lis'
```

Or just type

USRREQ,DUMMY

If not supplied, name, email address, phone number, and affiliation will be prompted for. The most basic mode will then prompt the user for the camera name, image number, and dispersion for each image. The input values will be checked and the user informed if the camera/dispersion set is not being processed yet or if the image was taken after 1990. These checks will be modified as different camera/dispersion datasets begin being processed. For more information, please see the prolog or contact the IUEDAC staff.

You may also send the request by e-mail directly. The request must be in the following format.

```
NAME          Joe Astronomer
EMAIL_ADDRESS joe@some.computer.edu
PHONE         555-555-5555
SPONSOR       University of Life
IMAGELIST
SWP01234L
SWP12345L
LWP09876L
ENDOFLIST
```

Please note the following.

- The keywords NAME, EMAIL_ADDRESS, and PHONE are required, but SPONSOR is not. They must precede the IMAGELIST and ENDOFLIST keywords. The keywords must start in column 1, and the keyword entries must begin in column 15. Note also that the keywords, camera, and image numbers are all case sensitive - they must be in capitals.
- The e-mail address must be Internet or in an Internet-like format.
- The keywords IMAGELIST and ENDOFLIST define the beginning and end of the image list. All requested images must be included between these keywords, with no blank lines, no text, and no spaces between the camera and image number, or between the image number and dispersion. Please use 5 digit numbers for the image numbers, e.g. SWP01234L.

- The camera and image numbers are followed by L or H, for low or high dispersion. Right now we are processing only low-dispersion images, but this specification will be necessary in the future.

- You may include text before or after the keywords, if you wish to pass on some information to the IUE Image Processing Center or if you wish to document your request in some way.

When your request is received, it will be placed into the automated system. You will receive an e-mail message listing the status of each of your requested images. The possible status of an image is (1) already processed, (2) will be queued for rapid processing, (3) can't be processed at this time, or (4) VILSPA image, will not be processed at Goddard. When your request is completed, you will receive a second e-mail message.

Processed data will be archived on the NSSDC's NDADS system. The NEWSIPS files should be available within a week or two. You may use the IUEDAC routine IUEFX to retrieve the data, or you may retrieve the files using the NSSDC ARMS utility (see NASA IUE Newsletter, No. 52, pg. 70, for a brief description).

For further information, please contact Cathy Imhoff (imhoff@iuegtc.gsfc.nasa.gov, or 301-794-1470).