

IUE Final Archive Data Now Available

Cathy Imhoff, Joy Nichols, and Andy Michalitsianos

December 8, 1993

The IUE Project is currently reprocessing SWP low-dispersion archival images through the new Final Archive Processing System, also known as NEWSIPS. The data are being delivered to NSSDC, where the files are being placed into the NDADS optical jukebox system. These images are now available to requesters.

At this time, about 3000 of the over 16,000 SWP low-dispersion images obtained at Goddard before January 1990 have been processed and archived at NSSDC. Over the coming months, we will continue to process and archive the rest of the SWP low-dispersion data. The LWP and LWR low-dispersion data sets, as well as the high-dispersion data sets, will follow over the next few years.

You can request the NEWSIPS data using the existing NDADS e-mail request procedure. For instance, to request the fully extracted and calibrated data file for images SWP 30548 and 32907,

```
MAIL> SEND
TO?  NDADSA::ARCHIVES
SUBJ? REQUEST IUE MXLO
SWP30548
SWP32907
Cntr-Z
```

The files SWP30548.MXLO and SWP32907.MXLO will be written to the IUE data distribution area: NDADSA::ANON_DIR:[DATA_DIST.IUE].

You may check the status of a particular image using the SEARCH routine at the IUEDAC. The value of the Final Archive status flag is given in the processing information view. If the status is Z, the image has been processed and archived at NSSDC. If the status is M, the image has been processed and delivered to NSSDC, so it will soon be available.

A description of the Final Archive philosophy is given by Nichols-Bohlin (1993a). The FITS file formats are described by Nichols-Bohlin (1993b), and an example of a FITS header is given by Imhoff (1993). The NEWSIPS Image Processing Information Manual is in press and will soon be distributed.

Questions concerning access to the NEWSIPS data via NDADS may be directed to Mike Van Steenberg (mev@nssdca.gsfc.nasa.gov). For questions on the calibrations and processing algorithms, please contact Joy Nichols (nichols@iuegtc.gsfc.nasa.gov). Questions concerning the processing status and availability of an image may be sent to Cathy Imhoff (imhoff@iuegtc.gsfc.nasa.gov).

References

- Imhoff, C. L. 1993, *NASA IUE Newsletter* No. 51, pg. 43.
Nichols-Bohlin, J. 1993a, *ibid.*, pg. 27.
Nichols-Bohlin, J. 1993b, *ibid.*, pg. 31.