



# The INES Archive Data Server

## LWR13751LL.FITS Headers

### Primary Header

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SIMPLE = T / Standard FITS Format
BITPIX = 8 / 8 bits ASCII
NAXIS = 0 / No image data
EXTEND = T / Extensions are present
TELESCOP= 'IUE' / International Ultraviolet Explorer
DATE = '15/04/97' / Date file is written (*new FITS standard*)
ORIGIN = 'GSFC' / Institution generating the file
CAMERA = 'LWR' / Camera
IMAGE = 13751 / Sequential image number
DISPERSN= 'LOW' / Dispersion processing type
APERTURE= 'LARGE' / Aperture
ABNOSTD= 'NO' / Non-standard image acquisition
ABNBADSC= 'NO' / LWP bad scans
ABNHTRWU= 'YES' / LWR heater warmup
ABNREAD = 'NO' / Read at other than 20 KB
ABNUVC = 'NO' / Non-standard UVC voltage
ABNHISTR= 'NO' / History replay
ABNOTHER= 'NO' / Other abnormality
POSANGLE= 340.07 / Pos angle of the large aperture (deg)
ABNMINFR= 'NO' / Bad/missing minor frames
CC-PERCN= 97.3 / Cross-correlation % successful
ITF = 'LWR83R96A' / ITF identification
COMMENT BY RA: EXP 1 APER L C=100,B=28
COMMENT BY RA: LWR 4-MINUTE HEATER WARMUP
COMMENT BY RA: 0 MISSING MINOR FRAMES NOTED ON SCRIPT
COMMENT BY RA: EXP 1 TRACKED ON GYROS
COMMENT BY RA: S PREP USED
COMMENT BY RA: OFFSET 1 FROM: SAO 185400
COMMENT BY RA: OFFSET 1 COORDINATES: 17 20 6.2 -28 22 25
COMMENT BY RA: EXPOSURE 1 SEGMENTED ( 2 EXPOSURES)
COMMENT BY RA: SEGMENT 1 EXPOSED 299.701 SEC.(EFF); 300.0 SEC.(COM)
COMMENT BY RA: SEGMENT 2 EXPOSED 1199.592 SEC.(EFF); 1200.0 SEC.(COM)
COMMENT BY RA: Ping:40DN from Y=833,819
COMMENT BY RA: Homogeneous coordinates not available; G0 coordinates used.
DATEOBS = '22/07/82' / Observing date
TIMEOBS = '19:13:12' / Observing time
EXPTRMD = 'NO-TRAIL' / Trail mode
EXPMULT = 'NO' / Multiple exposure mode
EXPSEGM = 'YES' / Segmented exposure code
EXPTIME = 1499.294 / Integration time in seconds
RA = 261.9254 / Homogeneous R.A. in degrees
DEC = -27.7864 / Homogeneous Dec. in degrees
TARGET = '42 ISIS' / Object as given by Guest Observer
TARGRA = 261.9254 / R.A. in degrees (given by G0)

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TARGDEC = -27.7864 / Dec. in degrees (given by G0)  
 OBJECT = 'ZZ 42 ISIS' / Homogeneous Object ID  
 HJD-MID = 2445173.31419 / JD middle of obs. with Heliocentric corr.  
 COMMENT IUE-VICAR HEADER START  
 LWR 13751, 42 ISIS, 25 MINUTES TOTAL EXPOSURE (IN 2 PARTS:  
 5 MIN. + 20 MIN.), LARGE APERTURE, LOW DISPERSION.  
 USED THE 4 MINUTE HEATER WARMUP AS PING AVOIDANCE TECHNIQU  
 OBSERVER: GLENN VEEDER PROGRAM: SAEDM 1982/203/22 JUL  
 32 MINOR FRAMES OF DATA REPOED MISSING  
 COMMENT IUE-VICAR HEADER END  
 HISTORY START RAW\_SCREEN 15-APR-1997 12:46:31  
 HISTORY 22 BRIGHT SPOTS DETECTED  
 HISTORY 0 MISSING MINOR FRAMES DETECTED  
 HISTORY 10 LINES AFFECTED BY MICROPHONICS:  
 HISTORY LINE: 64  
 HISTORY LINE: 65  
 HISTORY LINE: 66  
 HISTORY LINE: 67  
 HISTORY LINE: 68  
 HISTORY LINE: 69  
 HISTORY LINE: 70  
 HISTORY LINE: 71  
 HISTORY LINE: 72  
 HISTORY LINE: 73  
 HISTORY LARGE APERTURE SPECTRUM WILL BE EXTRACTED AS  
 HISTORY POINT SOURCE  
 HISTORY LARGE APERTURE CONTINUUM DN LEVEL = 78  
 HISTORY SMALL APERTURE CONTINUUM DN LEVEL = 0  
 HISTORY BACKGROUND DN LEVEL = 32  
 HISTORY END RAW\_SCREEN 15-APR-1997 12:47:10  
 HISTORY START EXTRACTION 22-JAN-1998 03:33:20  
 HISTORY INES NOISE MODEL USED  
 HISTORY CROSS-DISPERSION PROFILES BINNED IN 8 BLOCKS  
 HISTORY EMPIRICAL EXTRACTION  
 HISTORY CENTROID FOUND AT LINE 51.0  
 HISTORY REJECT PIXELS DEVIATING BY 5.0 SIGMA  
 HISTORY OUT OF 14720 PIXELS 3 REJECTED AS COSMIC RAY HITS  
 HISTORY END EXTRACTION 22-JAN-1998 03:33:29  
 END

### Binary Table Header

XTENSION= 'BINTABLE' /Written by IDL: 22-Jan-1998 03:33:30.00  
 BITPIX = 8 /  
 NAXIS = 2 /Binary table  
 NAXIS1 = 14 /Number of bytes per row  
 NAXIS2 = 562 /Number of rows  
 PCOUNT = 0 /Random parameter count  
 GCOUNT = 1 /Group count  
 TFIELDS = 4 /Number of columns  
 TFORM1 = '1E' /Real\*4 (floating point)  
 TTYPE1 = 'WAVELENGTH' /Label for column 1  
 TUNIT1 = 'ANGSTROM' /Units of column 1  
 TDISP1 = 'F10.3' /Display format for column 1  
 TFORM2 = '1E' /Real\*4 (floating point)  
 TTYPE2 = 'FLUX' /Label for column 2  
 TUNIT2 = 'ERG/CM2/S/A' /Units of column 2  
 TDISP2 = 'E15.7' /Display format for column 2  
 TFORM3 = '1E' /Real\*4 (floating point)  
 TTYPE3 = 'SIGMA' /Label for column 3  
 TUNIT3 = 'ERG/CM2/S/A' /Units of column 3  
 TDISP3 = 'E15.7' /Display format for column 3

```
TFORM4 = '1I      ' /Integer*2 (short integer)
TTYPE4 = 'QUALITY ' /Label for column 4
TUNIT4 = '        ' /Units of column 4
TDISP4 = 'I7      ' /Display format for column 4
FILENAME= 'LWR13751LL.FITS' /Filename(camera)(number)(disp)(aper).FITS
END
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*[Version 3.0](#) - June 2000*