



## The INES Archive Data Server

### LWR09500LL.FITS Headers

#### Primary Header

```
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 = '20/07/97' / Date file is written (*new FITS standard*)
ORIGIN = 'GSFC' / Institution generating the file
CAMERA = 'LWR' / Camera
IMAGE = 9500 / Sequential image number
DISPERSN= 'LOW' / Dispersion processing type
APERTURE= 'LARGE' / Aperture
ABNNSTD= 'NO' / Non-standard image acquisition
ABNBADSC= 'NO' / LWP bad scans
ABNHTRWU= 'NO' / 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= 110.85 / Pos angle of the large aperture (deg)
ABNMINFR= 'NO' / Bad/missing minor frames
CC-PERCN= 97.3 / Cross-correlation % successful
ITF = 'LWR83R94A' / ITF identification
COMMENT BY RA: EXP 1 APER L C=180,B=35
COMMENT BY RA: LWR 0-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: EXPOSURE 1 SEGMENTED ( 2 EXPOSURES)
COMMENT BY RA: SEGMENT 1 EXPOSED 1499.829 SEC.(EFF); 1500.0 SEC.(COM)
COMMENT BY RA: SEGMENT 2 EXPOSED 899.765 SEC.(EFF); 900.0 SEC.(COM)
COMMENT BY RA: Ping = 32 DN at Y=427,420.
COMMENT BY RA: Homogeneous coordinates not available; G0 coordinates used.
DATEOBS = '15/12/80' / Observing date
TIMEOBS = '07:27:26' / Observing time
EXPTRMD = 'NO-TRAIL' / Trail mode
EXPMULT = 'NO' / Multiple exposure mode
EXPSEGM = 'YES' / Segmented exposure code
EXPTIME = 2399.594 / Integration time in seconds
RA = 87.6454 / Homogeneous R.A. in degrees
DEC = 29.6144 / Homogeneous Dec. in degrees
TARGET = '23THALIA' / Object as given by Guest Observer
TARGRA = 87.6454 / R.A. in degrees (given by G0)
TARGDEC = 29.6144 / Dec. in degrees (given by G0)
OBJECT = 'ZZ 23 THALIA' / Homogeneous Object ID
```

```

HJD-MID =      2444588.83023 / JD middle of obs. with Heliocentric corr.
COMMENT IUE-VICAR HEADER START
      LWR 9500, 23 THALIA, 40MIN, LO DISP, LG APER
      EXPOSURE DONE IN TWO PARTS(25MIN & 15MIN)
      MODTIMED LAST EXPOSURE SEGMENT TO 15MIN AT 8:00Z
      OBSERVERS:VEEDER/NELSON, PROGRAM:SACDM, DATE:1980.350
COMMENT IUE-VICAR HEADER END
HISTORY START RAW_SCREEN                      20-JUL-1997 16:37:14
HISTORY 24 BRIGHT SPOTS DETECTED
HISTORY 0 MISSING MINOR FRAMES DETECTED
HISTORY 12 LINES AFFECTED BY MICROPHONICS:
HISTORY      LINE: 470
HISTORY      LINE: 471
HISTORY      LINE: 472
HISTORY      LINE: 473
HISTORY      LINE: 474
HISTORY      LINE: 475
HISTORY      LINE: 476
HISTORY      LINE: 477
HISTORY      LINE: 478
HISTORY      LINE: 479
HISTORY      LINE: 480
HISTORY      LINE: 481
HISTORY LARGE APERTURE SPECTRUM WILL BE EXTRACTED AS
HISTORY      POINT SOURCE
HISTORY LARGE APERTURE CONTINUUM DN LEVEL = 133
HISTORY SMALL APERTURE CONTINUUM DN LEVEL = 0
HISTORY BACKGROUND DN LEVEL = 36
HISTORY END RAW_SCREEN                      20-JUL-1997 16:38:05
HISTORY START EXTRACTION                  21-JAN-1998 16:18:24
HISTORY INES NOISE MODEL USED
HISTORY CROSS-DISPERSION PROFILES BINNED IN 24 BLOCKS
HISTORY EMPIRICAL EXTRACTION
HISTORY CENTROID FOUND AT LINE 52.9
HISTORY REJECT PIXELS DEVIATING BY 5.0 SIGMA
HISTORY OUT OF 14720 PIXELS 9 REJECTED AS COSMIC RAY HITS
HISTORY END EXTRACTION                  21-JAN-1998 16:18:34
END

```

### Binary Table Header

```

XTENSION= 'BINTABLE'                      /Written by IDL: 21-Jan-1998 16:18:35.00
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)

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```
TTYPE4 = 'QUALITY '           /Label for column 4
TUNIT4  = '           '       /Units of column 4
TDISP4  = 'I7           '      /Display format for column 4
FILENAME= 'LWR09500LL.FITS'    /Filename(camera)(number)(disp)(aper).FITS
END
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[Version 3.0](#) - June 2000