



# The INES Archive Data Server

## LWR12304LL.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 = '11/07/97' / Date file is written (*new FITS standard*)
ORIGIN = 'GSFC' / Institution generating the file
CAMERA = 'LWR' / Camera
IMAGE = 12304 / Sequential image number
DISPERSN= 'LOW' / Dispersion processing type
APERTURE= 'LARGE' / Aperture
ABNNSTD= '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= 340.46 / 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=170,B=60
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 76974
COMMENT BY RA: OFFSET 1 COORDINATES: 05 00 3.6 +24 12 03
COMMENT BY RA: OFFSET 1 MAGNITUDE: 5.500
COMMENT BY RA: EXPOSURE 1 SEGMENTED ( 4 EXPOSURES)
COMMENT BY RA: SEGMENT 1 EXPOSED 1199.592 SEC.(EFF); 1200.0 SEC.(COM)
COMMENT BY RA: SEGMENT 2 EXPOSED 1199.592 SEC.(EFF); 1200.0 SEC.(COM)
COMMENT BY RA: SEGMENT 3 EXPOSED 1199.592 SEC.(EFF); 1200.0 SEC.(COM)
COMMENT BY RA: SEGMENT 4 EXPOSED 299.701 SEC.(EFF); 300.0 SEC.(COM)
COMMENT BY RA: 1 bad scan start
COMMENT BY RA: Homogeneous coordinates not available; G0 coordinates used.
DATEOBS = '08/01/82' / Observing date
TIMEOBS = '04:16:22' / Observing time
EXPTRMD = 'NO-TRAIL' / Trail mode
EXPMULT = 'NO' / Multiple exposure mode
EXPSEGM = 'YES' / Segmented exposure code
EXPTIME = 3898.479 / Integration time in seconds
RA = 75.0479 / Homogeneous R.A. in degrees

```

```

DEC      =          24.7339 / Homogeneous Dec. in degrees
TARGET  = '471 PAPAGENA'   / Object as given by Guest Observer
TARGRA  =          75.0479 / R.A. in degrees (given by G0)
TARGDEC =          24.7339 / Dec. in degrees (given by G0)
OBJECT  = 'ZZ 471 PAPAGENA' / Homogeneous Object ID
HJD-MID = 2444977.70545 / JD middle of obs. with Heliocentric corr.
COMMENT IUE-VICAR HEADER START
        LWR 12304, 471 PAPAGENA, 65 MIN EXPO, LOW DISP, LARGE APER
        USED 4 MINUTE EXTENDED HEATER WARMUP FOR READ
        OFFSET FROM SAO 76974, EXPO DONE IN 4 PARTS, 3X20 M + 1X5
        PROGRAM:SADDM OBSERVERS:NELSON/OCKERT DATE:1982/008
COMMENT IUE-VICAR HEADER END
HISTORY START RAW_SCREEN                      11-JUL-1997 03:44:11
HISTORY 28 BRIGHT SPOTS DETECTED
HISTORY 0 MISSING MINOR FRAMES DETECTED
HISTORY 0 LINES AFFECTED BY MICROPHONICS:
HISTORY LARGE APERTURE SPECTRUM WILL BE EXTRACTED AS
HISTORY POINT SOURCE
HISTORY LARGE APERTURE CONTINUUM DN LEVEL = 142
HISTORY SMALL APERTURE CONTINUUM DN LEVEL = 0
HISTORY BACKGROUND DN LEVEL = 59
HISTORY END RAW_SCREEN                       11-JUL-1997 03:44:58
HISTORY START EXTRACTION                    21-JAN-1998 23:39:02
HISTORY INES NOISE MODEL USED
HISTORY CROSS-DISPERSION PROFILES BINNED IN 9 BLOCKS
HISTORY EMPIRICAL EXTRACTION
HISTORY CENTROID FOUND AT LINE 50.5
HISTORY REJECT PIXELS DEVIATING BY 5.0 SIGMA
HISTORY OUT OF 14720 PIXELS 0 REJECTED AS COSMIC RAY HITS
HISTORY END EXTRACTION                      21-JAN-1998 23:39:15
END

```

### Binary Table Header

```

XTENSION= 'BINTABLE' /Written by IDL: 21-Jan-1998 23:39:15.00
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)
TTYPER1 = '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)
TTYPER2 = '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)
TTYPER3 = '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)
TTYPER4 = 'QUALITY  ' /Label for column 4
TUNIT4  = '          ' /Units of column 4
TDISP4  = 'I7      ' /Display format for column 4
FILENAME= 'LWR12304LL.FITS' /Filename(camera)(number)(disp)(aper).FITS
END

```

