



## The INES Archive Data Server

### LWR01538LL.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 = '11/08/97' / Date file is written (*new FITS standard*)
ORIGIN = 'GSFC' / Institution generating the file
CAMERA = 'LWR' / Camera
IMAGE = 1538 / Sequential image number
DISPERSN= 'LOW' / Dispersion processing type
APERTURE= 'LARGE' / Aperture
ABNOSTD= '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= 13.80 / Pos angle of the large aperture (deg)
ABNMINFR= 'NO' / Bad/missing minor frames
CC-PERCN= 96.6 / Cross-correlation % successful
ITF = 'LWR83R94A' / ITF identification
COMMENT BY RA: EXP 1 APER L MAX DN = 200
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 ( 3 EXPOSURES)
COMMENT BY RA: SEGMENT 1 EXPOSED 899.765 SEC.(EFF); 900.0 SEC.(COM)
COMMENT BY RA: SEGMENT 2 EXPOSED 1799.656 SEC.(EFF); 1800.0 SEC.(COM)
COMMENT BY RA: SEGMENT 3 EXPOSED 1799.656 SEC.(EFF); 1800.0 SEC.(COM)
COMMENT BY RA: Homogeneous coordinates not available; G0 coordinates used.
DATEOBS = '22/05/78' / Observing date
TIMEOBS = '09:28:00' / Observing time
EXPTRMD = 'NO-TRAIL' / Trail mode
EXPMULT = 'NO' / Multiple exposure mode
EXPSEGM = 'YES' / Segmented exposure code
EXPTIME = 4499.078 / Integration time in seconds
RA = 222.2833 / Homogeneous R.A. in degrees
DEC = -11.7319 / Homogeneous Dec. in degrees
TARGET = '16 PSYCHE' / Object as given by Guest Observer
TARGRA = 222.2833 / R.A. in degrees (given by G0)
TARGDEC = -11.7319 / Dec. in degrees (given by G0)
OBJECT = 'ZZ 16 PSYCHE' / Homogeneous Object ID

```

```

HJD-MID =          2443650.92604 / JD middle of obs. with Heliocentric corr.
COMMENT IUE-VICAR HEADER START
      LWR1538  16 PSYCHE 75MIN LG APER  LO DISP ZELLNER *****
      CAM 2 IMAGE 1538          PROC VERSN 211 PARAM SET NO 8
      NO LAMP-EXP TIME=4499 SECS
COMMENT IUE-VICAR HEADER END
HISTORY START RAW_SCREEN                      11-AUG-1997 05:53:24
HISTORY 35 BRIGHT SPOTS DETECTED
HISTORY 0 MISSING MINOR FRAMES DETECTED
HISTORY 4 LINES AFFECTED BY MICROPHONICS:
HISTORY      LINE: 482
HISTORY      LINE: 483
HISTORY      LINE: 484
HISTORY      LINE: 485
HISTORY LARGE APERTURE SPECTRUM WILL BE EXTRACTED AS
HISTORY      POINT SOURCE
HISTORY LARGE APERTURE CONTINUUM DN LEVEL = 159
HISTORY SMALL APERTURE CONTINUUM DN LEVEL = 0
HISTORY BACKGROUND DN LEVEL = 36
HISTORY END RAW_SCREEN                        11-AUG-1997 05:54:06
HISTORY START EXTRACTION                     20-JAN-1998 19:36:32
HISTORY INES NOISE MODEL USED
HISTORY CROSS-DISPERSION PROFILES BINNED IN 22 BLOCKS
HISTORY EMPIRICAL EXTRACTION
HISTORY CENTROID FOUND AT LINE 52.8
HISTORY REJECT PIXELS DEVIATING BY 5.0 SIGMA
HISTORY OUT OF 14720 PIXELS 4 REJECTED AS COSMIC RAY HITS
HISTORY END EXTRACTION                       20-JAN-1998 19:36:47
END

```

### Binary Table Header

```

XTENSION= 'BINTABLE'           /Written by IDL: 20-Jan-1998 19:36:48.00
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 = 'I1 ' /Integer*2 (short integer)
TTYPE4 = 'QUALITY ' /Label for column 4
TUNIT4 = ' ' /Units of column 4
TDISP4 = 'I7 ' /Display format for column 4
FILENAME= 'LWR01538LL.FITS' /Filename(camera)(number)(disp)(aper).FITS
END

```

