The INES Archive Data Server

# LWR07880LL.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    = '16/03/97'           /Date file is written (*new FITS standard*)
ORIGIN  = 'GSFC    '           / Institution generating the file
CAMERA  = 'LWR     '           / Camera
IMAGE   =                 7880 / Sequential image number
DISPERSN= 'LOW     '           / Dispersion processing type
APERTURE= 'LARGE   '           / Aperture
ABNNOSTD= '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=              354.13 / Pos angle of the large aperture (deg)
ABNMINFR= 'NO      '           / Bad/missing minor frames
CC-PERCN=                85.4 / Cross-correlation % successful
ITF     = 'LWR83R94A'          / ITF identification
COMMENT BY RA:  EXP 1 APER L C=140,B=40
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:  OFFSET 1  FROM: UNKNOWN
COMMENT BY RA:  OFFSET 1  COORDINATES: 13 29 20.8 -18 28 18
COMMENT BY RA:  OFFSET 1  MAGNITUDE: 6.000
COMMENT BY RA:  EXPOSURE 1 SEGMENTED ( 4 EXPOSURES)
COMMENT BY RA:  SEGMENT  1 EXPOSED  1799.656 SEC.(EFF); 1800.0 SEC.(COM)
COMMENT BY RA:  SEGMENT  2 EXPOSED  1999.541 SEC.(EFF); 2000.0 SEC.(COM)
COMMENT BY RA:  SEGMENT  3 EXPOSED  2099.484 SEC.(EFF); 2100.0 SEC.(COM)
COMMENT BY RA:  SEGMENT  4 EXPOSED  2099.484 SEC.(EFF); 2100.0 SEC.(COM)
COMMENT BY RA:  Homogeneous coordinates not available; GO coordinates used.
DATEOBS = '28/05/80'           / Observing date
TIMEOBS = '11:20:47'           / Observing time
EXPTRMD = 'NO-TRAIL'           / Trail mode
EXPMULT = 'NO      '           / Multiple exposure mode
EXPSEGM = 'YES     '           / Segmented exposure code
EXPTIME =             7998.165 / Integration time in seconds
RA      =             202.5404 / Homogeneous R.A. in degrees
DEC     =             -19.0653 / Homogeneous Dec. in degrees
```

```
TARGET  = '63 AUSONIA'         / Object as given by Guest Observer
TARGRA  =             202.5404 / R.A. in degrees (given by GO)
TARGDEC =             -19.0653 / Dec. in degrees (given by GO)
OBJECT  = 'ZZ  63 AUSONIA'               / Homogeneous Object ID
HJD-MID =        2444388.02352 / JD middle of obs. with Heliocentric corr.
COMMENT IUE-VICAR HEADER START
         LWR 7880, 63 AUSONIA, LOW DISP, LARGE APER, 8000 SEC EXPO
         EXPOSED IN 4 PARTS 1800+2000+2100+2100 SECTIONS..ONS..
        OBSERVERS: VEEDER/NELSON, PROGRAM: SACDM, DATE: 1980.149..
COMMENT IUE-VICAR HEADER END
HISTORY START RAW_SCREEN                            16-MAR-1997 00:48:19
HISTORY   40 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 = 105
HISTORY SMALL APERTURE CONTINUUM DN LEVEL =   0
HISTORY BACKGROUND DN LEVEL =  47
HISTORY END   RAW_SCREEN                            16-MAR-1997 00:49:37
HISTORY START EXTRACTION                            21-JAN-1998 11:06:25
HISTORY INES NOISE MODEL USED
HISTORY CROSS-DISPERSION PROFILES BINNED IN   9 BLOCKS
HISTORY EMPIRICAL EXTRACTION
HISTORY CENTROID FOUND AT LINE  51.5
HISTORY REJECT PIXELS DEVIATING BY  5.0 SIGMA
HISTORY OUT OF    14720 PIXELS        1 REJECTED AS COSMIC RAY HITS
HISTORY END EXTRACTION                              21-JAN-1998 11:06:33
END
```

**Binary Table Header**

```
XTENSION= 'BINTABLE'           /Written by IDL:  21-Jan-1998 11:06:34.00
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= 'LWR07880LL.FITS'    /Filename(camera)(number)(disp)(aper).FITS
END
```

*Version 3.0 - June 2000*