The INES Archive Data Server

LWR12754LL.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    = '08/09/97'           /Date file is written (*new FITS standard*)
ORIGIN  = 'GSFC    '           / Institution generating the file
CAMERA  = 'LWR     '           / Camera
IMAGE   =                12754 / 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=               174.95 / Pos angle of the large aperture (deg)
ABNMINFR= 'NO      '           / Bad/missing minor frames
CC-PERCN=                96.6 / Cross-correlation % successful
ITF     = 'LWR83R96A'          / ITF identification
COMMENT BY RA:  EXP 1 APER L C=68,B=32
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   599.528 SEC.(EFF);  600.0 SEC.(COM)
COMMENT BY RA:  SEGMENT  2 EXPOSED   899.765 SEC.(EFF);  900.0 SEC.(COM)
COMMENT BY RA:  SEGMENT  3 EXPOSED  1199.592 SEC.(EFF); 1200.0 SEC.(COM)
DATEOBS = '09/03/82'           / Observing date
TIMEOBS = '19:47:00'           / Observing time
EXPTRMD = 'NO-TRAIL'           / Trail mode
EXPMULT = 'NO      '           / Multiple exposure mode
EXPSEGM = 'YES     '           / Segmented exposure code
EXPTIME =             2698.886 / Integration time in seconds
RA      =             225.4571 / Homogeneous R.A. in degrees
DEC     =             -10.0028 / Homogeneous Dec. in degrees
TARGET  = '51 NEM+*'           / Object as given by Guest Observer
TARGRA  =             225.4570 / R.A. in degrees (given by GO)
TARGDEC =             -10.0028 / Dec. in degrees (given by GO)
OBJECT  = 'ZZ  51 NEMAUSA'               / Homogeneous Object ID
HJD-MID =       2445038.34302 / JD middle of obs. with Heliocentric corr.
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COMMENT IUE-VICAR HEADER START
        LWR 12754, 51 NEMAUSA + SAO 140302, 45 MIN, LOW DISP, LGAP
        EXPOSED ON ASTEROID AND STAR FOR 45 MINUTES IN LARGE APER
        PROGRAM:SADDM   OBSERVERS:NELSON/VEEDER   DATE:1982/68-69
COMMENT IUE-VICAR HEADER END
HISTORY START RAW_SCREEN                              8-SEP-1997 18:17:01
HISTORY  180 BRIGHT SPOTS DETECTED
HISTORY    0 MISSING MINOR FRAMES DETECTED
HISTORY   16 LINES AFFECTED BY MICROPHONICS:
HISTORY         LINE: 224
HISTORY         LINE: 225
HISTORY         LINE: 226
HISTORY         LINE: 227
HISTORY         LINE: 228
HISTORY         LINE: 229
HISTORY         LINE: 230
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HISTORY         LINE: 234
HISTORY         LINE: 235
HISTORY         LINE: 237
HISTORY         LINE: 238
HISTORY         LINE: 240
HISTORY         LINE: 241
HISTORY NO LARGE APERTURE FLUX DETECTED; SOURCE DETERMINATION
HISTORY           BASED ON OBJECT CLASS  39
HISTORY LARGE APERTURE SPECTRUM WILL BE EXTRACTED AS
HISTORY           POINT SOURCE
HISTORY LARGE APERTURE CONTINUUM DN LEVEL =   0
HISTORY SMALL APERTURE CONTINUUM DN LEVEL =   0
HISTORY BACKGROUND DN LEVEL =  35
HISTORY END   RAW_SCREEN                               8-SEP-1997 18:17:42
HISTORY START EXTRACTION                              22-JAN-1998 01:08:54
HISTORY INES NOISE MODEL USED
HISTORY CROSS-DISPERSION PROFILES BINNED IN   1 BLOCKS
HISTORY DEFAULT EXTRACTION
HISTORY  DEFAULT POINT SOURCE PROFILE CENTERED AT  50.0
HISTORY REJECT PIXELS DEVIATING BY  5.0 SIGMA
HISTORY OUT OF    14720 PIXELS        9 REJECTED AS COSMIC RAY HITS
HISTORY END EXTRACTION                                22-JAN-1998 01:09:00
END
```

Binary Table Header

```
XTENSION= 'BINTABLE'           /Written by IDL:  22-Jan-1998 01:09:00.00
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)
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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= 'LWR12754LL.FITS'    /Filename(camera)(number)(disp)(aper).FITS
END
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