The INES Archive Data Server

LWR16799LL.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    = '08/06/97'           /Date file is written (*new FITS standard*)
ORIGIN  = 'GSFC    '           / Institution generating the file
CAMERA  = 'LWR     '           / Camera
IMAGE   =                16799 / Sequential image number
DISPERSN= 'LOW     '           / Dispersion processing type
APERTURE= 'LARGE   '           / Aperture
ABNNOSTD= 'YES     '           / 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=                43.94 / Pos angle of the large aperture (deg)
ABNMINFR= 'NO      '           / Bad/missing minor frames
CC-PERCN=                 92.0 / Cross-correlation % successful
ITF     = 'LWR83R96A'          / ITF identification
COMMENT BY RA:  EXP 1 APER L C=215,B=40
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:  Image consists of 10 min expo in high dispersion
COMMENT BY RA:  followed by 162 min in low dispersion.
COMMENT BY RA:  Homogeneous coordinates not available; GO coordinates used.
DATEOBS = '16/09/83'           / Observing date
TIMEOBS = '00:55:42'           / Observing time
EXPTRMD = 'NO-TRAIL'           / Trail mode
EXPMULT = 'NO      '           / Multiple exposure mode
EXPSEGM = 'NO      '           / Segmented exposure code
EXPTIME =             9719.682 / Integration time in seconds
RA      =             323.7083 / Homogeneous R.A. in degrees
DEC     =              -6.0072 / Homogeneous Dec. in degrees
TARGET  = '54 ALEXANDER'       / Object as given by Guest Observer
TARGRA  =             323.7083 / R.A. in degrees (given by GO)
TARGDEC =              -6.0072 / Dec. in degrees (given by GO)
OBJECT  = 'ZZ  54 ALEXANDRA'             / Homogeneous Object ID
HJD-MID =        2445593.59998 / JD middle of obs. with Heliocentric corr.
COMMENT IUE-VICAR HEADER START
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```
        LWR 16799, 54 ALEXANDER, 162 MIN EXPO, LOW DISP, LG APER
        EXPOSURE DONE IN FIVE 30 MIN PARTS AND A 12 MIN PART
        USED THE FOUR MINUTE HEATER WARM-UP PRIOR TO THE READ
        OBSERVER: NELSON  ID: SPFRN  DAY 258/259  15/16 SEPT 83
COMMENT IUE-VICAR HEADER END
HISTORY START RAW_SCREEN                              8-JUN-1997 07:08:01
HISTORY   44 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 = 179
HISTORY SMALL APERTURE CONTINUUM DN LEVEL =   0
HISTORY BACKGROUND DN LEVEL =  44
HISTORY END   RAW_SCREEN                              8-JUN-1997 07:09:12
HISTORY START EXTRACTION                             22-JAN-1998 11:38:35
HISTORY INES NOISE MODEL USED
HISTORY CROSS-DISPERSION PROFILES BINNED IN  23 BLOCKS
HISTORY EMPIRICAL EXTRACTION
HISTORY CENTROID FOUND AT LINE  51.2
HISTORY REJECT PIXELS DEVIATING BY  5.0 SIGMA
HISTORY OUT OF    14720 PIXELS        1 REJECTED AS COSMIC RAY HITS
HISTORY END EXTRACTION                               22-JAN-1998 11:38:42
END
```

Binary Table Header

```
XTENSION= 'BINTABLE'           /Written by IDL:  22-Jan-1998 11:38:43.00
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= 'LWR16799LL.FITS'    /Filename(camera)(number)(disp)(aper).FITS
END
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