



## The INES Archive Data Server

### LWR09498LL.FITS Headers

#### Primary Header

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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 = '20/07/97' / Date file is written (*new FITS standard*)
ORIGIN = 'GSFC' / Institution generating the file
CAMERA = 'LWR' / Camera
IMAGE = 9498 / 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= 334.74 / Pos angle of the large aperture (deg)
ABNMINFR= 'NO' / Bad/missing minor frames
CC-PERCN= 96.0 / Cross-correlation % successful
ITF = 'LWR83R94A' / ITF identification
COMMENT BY RA: EXP 1 APER L C=200,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: 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 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: SEGMENT 4 EXPOSED 1799.656 SEC.(EFF); 1800.0 SEC.(COM)
COMMENT BY RA: Ping = 29 DN at Y=492,500.
COMMENT BY RA: Homogeneous coordinates not available; G0 coordinates used.
DATEOBS = '15/12/80' / Observing date
TIMEOBS = '02:10:54' / Observing time
EXPTRMD = 'NO-TRAIL' / Trail mode
EXPMULT = 'NO' / Multiple exposure mode
EXPSEGM = 'YES' / Segmented exposure code
EXPTIME = 7198.625 / Integration time in seconds
RA = 51.0250 / Homogeneous R.A. in degrees
DEC = 22.1378 / Homogeneous Dec. in degrees
TARGET = '10HYGIEA' / Object as given by Guest Observer
TARGRA = 51.0250 / R.A. in degrees (given by G0)

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TARGDEC = 22.1378 / Dec. in degrees (given by G0)  
 OBJECT = 'ZZ 10 HYGIEA' / Homogeneous Object ID  
 HJD-MID = 2444588.63752 / JD middle of obs. with Heliocentric corr.  
 COMMENT IUE-VICAR HEADER START  
 LWR 9498, 10 HYGIEA, 120MIN, LO DISP, LG APER  
 EXPOSURE DONE IN FOUR PARTS OF 30MIN EACH  
 OFFSET STAR SAO 75945 RA 3,25,30.86 DEC 22,37,59.8  
 OBSERVERS:VEEDER/NELSON, PROGRAM:SACDM, DATE:1980.350  
 COMMENT IUE-VICAR HEADER END  
 HISTORY START RAW\_SCREEN 20-JUL-1997 16:57:54  
 HISTORY 43 BRIGHT SPOTS DETECTED  
 HISTORY 0 MISSING MINOR FRAMES DETECTED  
 HISTORY 10 LINES AFFECTED BY MICROPHONICS:  
 HISTORY LINE: 397  
 HISTORY LINE: 398  
 HISTORY LINE: 399  
 HISTORY LINE: 400  
 HISTORY LINE: 401  
 HISTORY LINE: 402  
 HISTORY LINE: 403  
 HISTORY LINE: 404  
 HISTORY LINE: 405  
 HISTORY LINE: 406  
 HISTORY LARGE APERTURE SPECTRUM WILL BE EXTRACTED AS  
 HISTORY POINT SOURCE  
 HISTORY LARGE APERTURE CONTINUUM DN LEVEL = 150  
 HISTORY SMALL APERTURE CONTINUUM DN LEVEL = 0  
 HISTORY BACKGROUND DN LEVEL = 43  
 HISTORY END RAW\_SCREEN 20-JUL-1997 16:58:43  
 HISTORY START EXTRACTION 21-JAN-1998 16:17:41  
 HISTORY INES NOISE MODEL USED  
 HISTORY CROSS-DISPERSION PROFILES BINNED IN 21 BLOCKS  
 HISTORY EMPIRICAL EXTRACTION  
 HISTORY CENTROID FOUND AT LINE 51.0  
 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 16:17:50  
 END

### Binary Table Header

XTENSION= 'BINTABLE' /Written by IDL: 21-Jan-1998 16:17:51.00  
 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)

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TTYPE4 = 'QUALITY ' /Label for column 4
TUNIT4 = ' ' /Units of column 4
TDISP4 = 'I7 ' /Display format for column 4
FILENAME= 'LWR09498LL.FITS' /Filename(camera)(number)(disp)(aper).FITS
END
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*[Version 3.0](#) - June 2000*