The INES Archive Data Server

LWR09557LL.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    = '01/07/97'           /Date file is written (*new FITS standard*)
ORIGIN  = 'VILSPA  '           / Institution generating the file
CAMERA  = 'LWR     '           / Camera
IMAGE   =                 9557 / 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= 'YES     '           / Other abnormality
POSANGLE=               322.62 / Pos angle of the large aperture (deg)
ABNMINFR= 'NO      '           / Bad/missing minor frames
CC-PERCN=                98.0 / Cross-correlation % successful
ITF     = 'LWR83R96A'          / ITF identification
COMMENT BY RA: SEGMENTED (2 EXPOSURES)
COMMENT BY RA: EXPTIME1=01200.000; DATEOBS1=22/12/80; TIMEOBS1=11:15:09
COMMENT BY RA: EXPTIME2=01200.000; DATEOBS2=22/12/80; TIMEOBS2=11:59:27
COMMENT BY GO: MISSING THDAEND-USED THDAREAD!
DATEOBS = '22/12/80'           / Observing date
TIMEOBS = '11:15:09'           / Observing time
EXPTRMD = 'NO-TRAIL'           / Trail mode
EXPMULT = 'NO      '           / Multiple exposure mode
EXPSEGM = 'YES     '           / Segmented exposure code
EXPTIME =             2399.720 / Integration time in seconds
RA      =              69.5863 / Homogeneous R.A. in degrees
DEC     =              17.5250 / Homogeneous Dec. in degrees
TARGET  = 'PSYCHE  '           / Object as given by Guest Observer
TARGRA  =              69.5863 / R.A. in degrees (given by GO)
TARGDEC =              17.5250 / Dec. in degrees (given by GO)
OBJECT  = 'ZZ  16 PSYCHE'                / Homogeneous Object ID
HJD-MID =        2444595.98805 / JD middle of obs. with Heliocentric corr.
COMMENT IUE-VICAR HEADER START
        PSYCHE,LWR9557,LORES,LAP,20M+20M,11:15:09+11:59:27
        22DEC80,SPREP,MAXG,LOREAD,UK359,BUTTERWORTH
        UK 2373
COMMENT IUE-VICAR HEADER END
```

```
HISTORY START RAW_SCREEN                              1-JUL-1997 16:00:06
HISTORY   21 BRIGHT SPOTS DETECTED
HISTORY    0 MISSING MINOR FRAMES DETECTED
HISTORY    8 LINES AFFECTED BY MICROPHONICS:
HISTORY         LINE: 629
HISTORY         LINE: 630
HISTORY         LINE: 631
HISTORY         LINE: 632
HISTORY         LINE: 633
HISTORY         LINE: 634
HISTORY         LINE: 635
HISTORY         LINE: 636
HISTORY LARGE APERTURE SPECTRUM WILL BE EXTRACTED AS
HISTORY           POINT SOURCE
HISTORY LARGE APERTURE CONTINUUM DN LEVEL = 141
HISTORY SMALL APERTURE CONTINUUM DN LEVEL =   0
HISTORY BACKGROUND DN LEVEL =  32
HISTORY END   RAW_SCREEN                               1-JUL-1997 16:02:03
HISTORY START EXTRACTION                              21-JAN-1998 16:30:05
HISTORY INES NOISE MODEL USED
HISTORY CROSS-DISPERSION PROFILES BINNED IN  24 BLOCKS
HISTORY EMPIRICAL EXTRACTION
HISTORY CENTROID FOUND AT LINE  53.2
HISTORY REJECT PIXELS DEVIATING BY  5.0 SIGMA
HISTORY OUT OF    14720 PIXELS        2 REJECTED AS COSMIC RAY HITS
HISTORY END EXTRACTION                                21-JAN-1998 16:30:17
END
```

Binary Table Header

```
XTENSION= 'BINTABLE'           /Written by IDL:  21-Jan-1998 16:30:17.00
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= 'LWR09557LL.FITS'    /Filename(camera)(number)(disp)(aper).FITS
END
```

Version 3.0 - June 2000