# Chandra X-ray Center

Seq Num: 700827
Instrument: ACIS
Obs ID: 4148
Source: MRK 421
PI: Dr. Fabrizio Nicastro
Grating: LETG

Title: HIGH RESOLUTION SPECTROSCOPY OF A BLAZAR IN OUTBURST: JET ENVIRONMENT AND THE INTERGALACTIC MEDIUM

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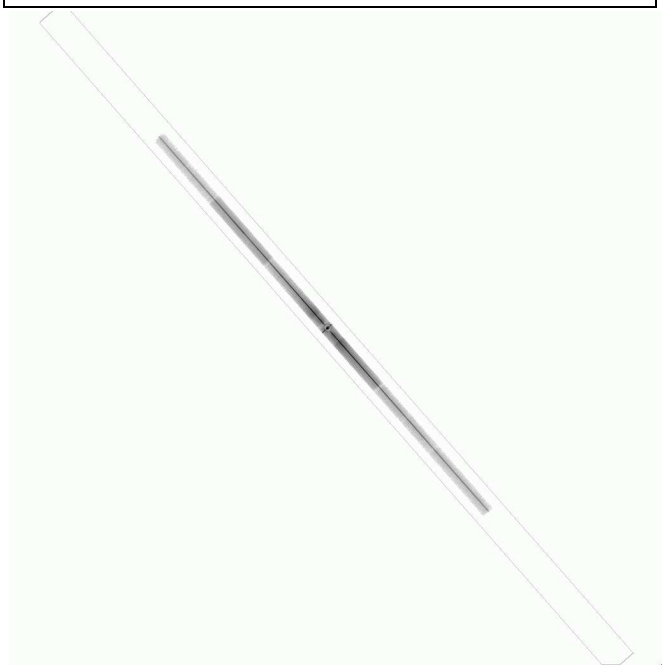
acisf04148N002 full img2.fits



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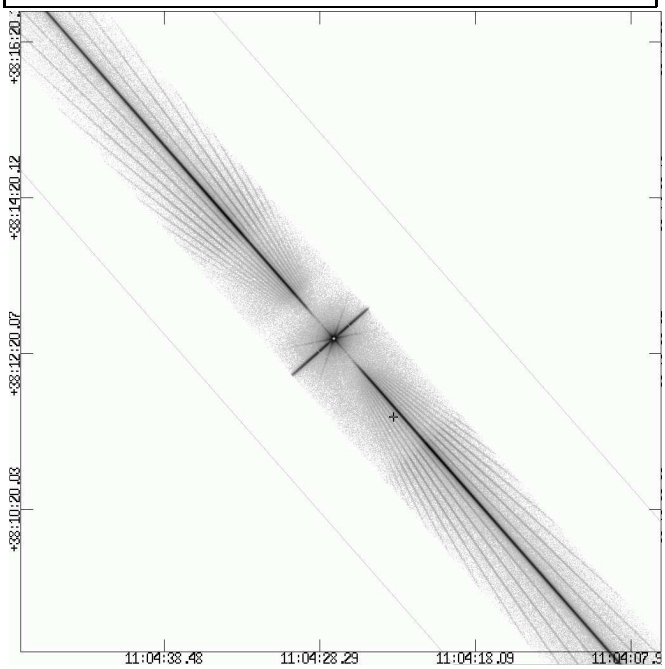

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| Level 1 Observational Parameters | | |
|---|---|---|
| Parameter | Value | Description |
| ASCDSVER | 7.6.9 | ASCDS version number |
| DATE | 2006-12-08T20:35:32 | Date and time of file creation |
| DATE-OBS | 2002-10-26T00:06:06 | Observation start date |
| DATE-END | 2002-10-27T03:23:21 | Observation end date |
| RA_PNT | 166.09766991223 | Pointing RA |
| DEC_PNT | 38.192017649108 | Pointing Dec |
| ROLL_PNT | 48.657280517336 | Pointing Roll |
| RA_TARG | 166.11375 | Observer's specified target RA |
| DEC_TARG | 38.208833 | Observer's specified target Dec |
| DATAMODE | GRADED | Data mode |
| READMODE | TIMED | Read mode |
| FP_TEMP | 153.4460144 | Focal Plane Temperature [K] |
| FSW_VERS | 30 | ACIS flight software version number |

| Level 2 Observational Parameters | | |
|---|---|---|
| Parameter | Value | Description |
| ASCDSVER | 7.6.9 | ASCDS version number |
| DATE | 2006-12-08T21:20:07 | Date and time of file creation |
| DATE-OBS | 2002-10-26T00:06:06 | Observation start date |
| DATE-END | 2002-10-27T03:23:21 | Observation end date |
| INSTRUME | ACIS | Instrument |
| DETNAM | ACIS-456789 | Detector |
| GRATING | LETG | Grating |
| OBJECT | MRK 421 | Source name |
| TITLE | HIGH RESOLUTION SPECTROSCOPY OF A BLAZAR IN OUTBURST: JET ENVIRONMENT AND THE INTERGALACTIC MEDIUM | Proposal title |
| OBSERVER | Dr. Fabrizio Nicastro | Principal investigator |
| OBS_ID | 4148 | Observation id |
| SEQ_NUM | 700827 | Sequence number |
| RA_NOM | 166.09766991223 | Nominal RA |
| DEC_NOM | 38.192017649108 | Nominal Dec |
| ROLL_NOM | 48.657280517336 | Nominal Roll |

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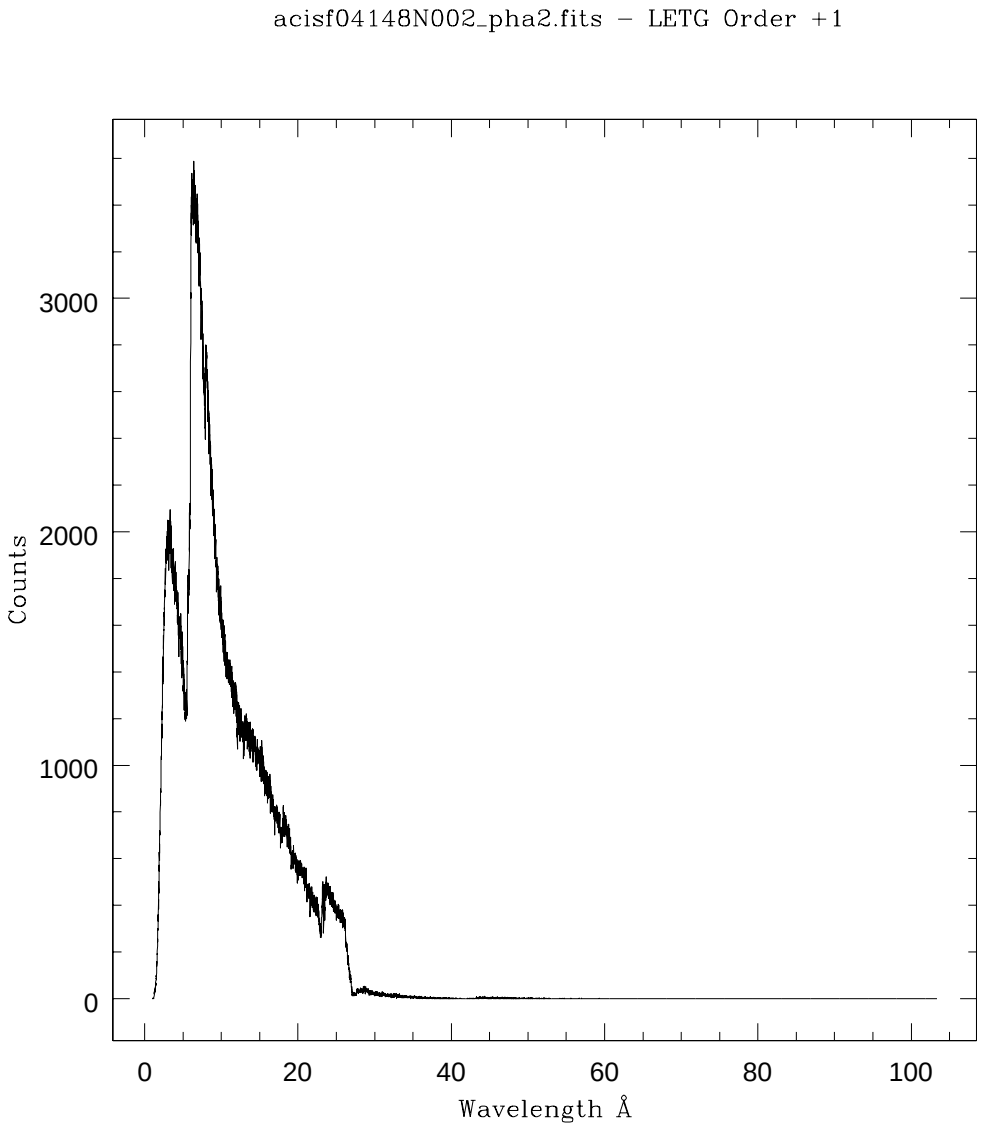
LETG +1 order