# Chandra X-ray Center

Seq Num: 200153

Instrument: ACIS

Obs ID: 2545

Source: M 1-16

PI: Prof. Joel Kastner

Title: UNDERSTANDING THE ENGINE OF GROWTH IN PLANETARY NEBULAE

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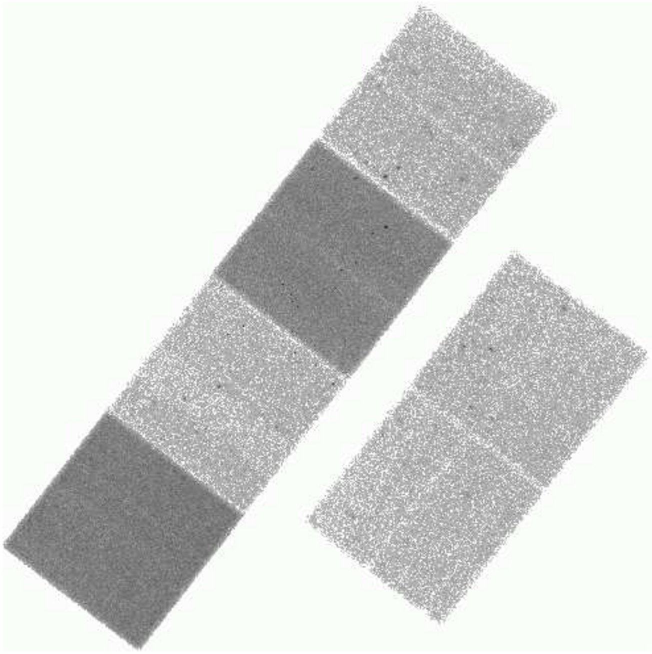
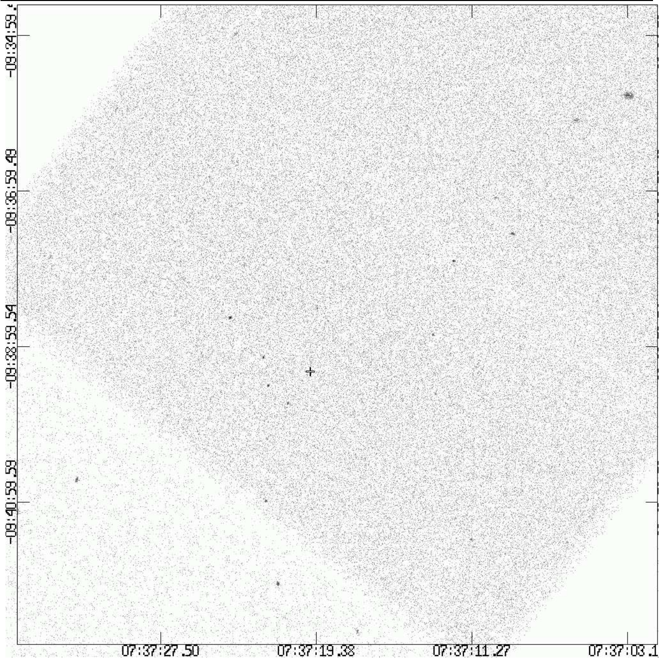
acisf02545N002 full img2.fits



acisf02545N002 cntr img2.fits



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| Level 1 Observational Parameters | | |
|---|---|---|
| Parameter | Value | Description |
| ASCDSVER | 7.6.8.1 | ASCDS version number |
| DATE | 2006-08-31T23:11:12 | Date and time of file creation |
| DATE-OBS | 2002-02-11T14:20:44 | Observation start date |
| DATE-END | 2002-02-12T04:52:16 | Observation end date |
| RA_PNT | 114.33202000309 | Pointing RA |
| DEC_PNT | -9.6552896434556 | Pointing Dec |
| ROLL_PNT | 307.49277477816 | Pointing Roll |
| RA_TARG | 114.3275 | Observer's specified target RA |
| DEC_TARG | -9.646667 | Observer's specified target Dec |
| DATAMODE | FAINT | 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 | 7.6.8.1 | ASCDS version number |
| DATE | 2006-08-31T23:45:39 | Date and time of file creation |
| DATE-OBS | 2002-02-11T14:20:44 | Observation start date |
| DATE-END | 2002-02-12T04:52:16 | Observation end date |
| INSTRUME | ACIS | Instrument |
| DETNAM | ACIS-235678 | Detector |
| GRATING | NONE | Grating |
| OBJECT | M 1-16 | Source name |
| TITLE | UNDERSTANDING THE ENGINE OF GROWTH IN PLANETARY NEBULAE | Proposal t |
| OBSERVER | Prof. Joel Kastner | Principal investigator |
| OBS_ID | 2545 | Observation id |
| SEQ_NUM | 200153 | Sequence number |
| RA_NOM | 114.33202000309 | Nominal RA |
| DEC_NOM | -9.6552896434556 | Nominal Dec |
| ROLL_NOM | 307.49277477816 | Nominal Roll |

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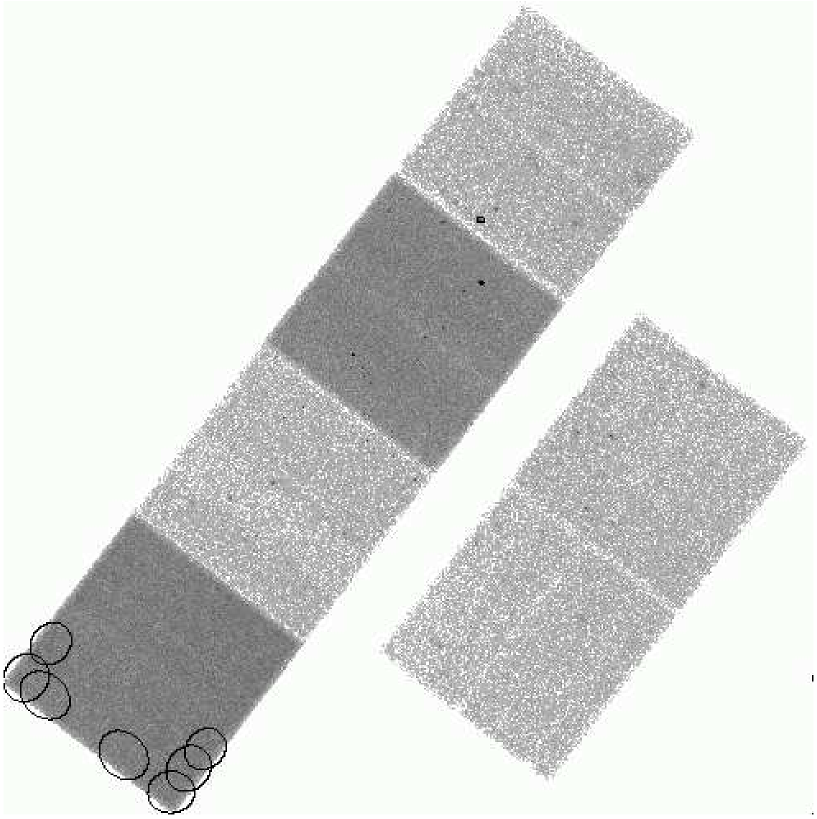
Full Field with Sources



| List of the Brighest Sources in the Field | | | | |
|---|---|---|---|---|
| RA[deg] | DEC[deg] | NET_COUNTS[count] | NET_COUNTS_ERR[count] | SNR |
| 114.570142 | -9.858811 | 1005.272400 | 71.380859 | 14.083220 |
| 114.472147 | -9.934951 | 949.156128 | 69.729637 | 13.611948 |
| 114.262724 | -9.595996 | 275.708344 | 21.191246 | 13.010483 |
| 114.349322 | -9.643670 | 133.000000 | 13.831621 | 9.615648 |
| 114.263377 | -9.554010 | 143.268967 | 16.230005 | 8.827414 |
| 114.460446 | -9.919154 | 677.213379 | 76.772179 | 8.821078 |
| 114.553544 | -9.836129 | 607.208313 | 70.233185 | 8.645604 |
| 114.504343 | -9.910272 | 661.033203 | 80.141815 | 8.248294 |
| 114.449131 | -9.906227 | 564.333313 | 70.246651 | 8.033598 |
| 114.557400 | -9.870531 | 589.156128 | 76.608742 | 7.690456 |