# Chandra X-ray Center

Seq Num: 800397

Instrument: ACIS

Obs ID: 4947

Source: Abell 426

PI: Prof Andrew Fabian

Title: A Megasecond Image of the Core of the Perseus Cluster

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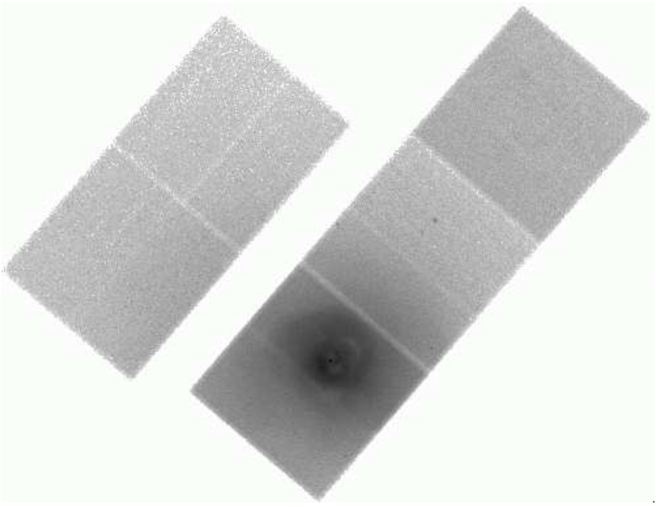
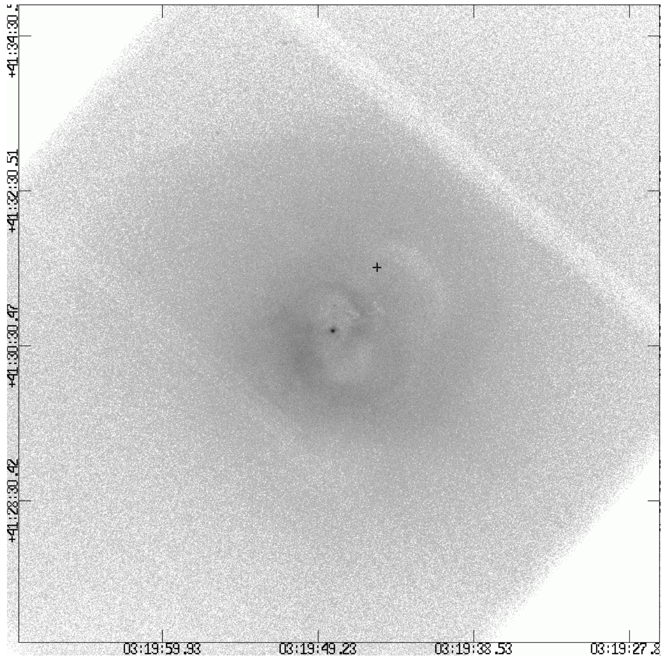
acisf04947N002 full img2.fits



acisf04947N002 cntr img2.fits



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| Level 1 Observational Parameters | | |
|---|---|---|
| Parameter | Value | Description |
| ASCDSVER | 7.6.7.1 | ASCDS version number |
| DATE | 2006-04-15T04:02:36 | Date and time of file creation |
| DATE-OBS | 2004-10-11T16:53:17 | Observation start date |
| DATE-END | 2004-10-12T01:41:41 | Observation end date |
| RA_PNT | 49.938214837725 | Pointing RA |
| DEC_PNT | 41.525370293988 | Pointing Dec |
| ROLL_PNT | 130.60792069485 | Pointing Roll |
| RA_TARG | 49.950833 | Observer's specified target RA |
| DEC_TARG | 41.511722 | Observer's specified target Dec |
| DATAMODE | FAINT | Data mode |
| READMODE | TIMED | Read mode |
| FP_TEMP | 154.73605347 | Focal Plane Temperature [K] |
| FSW_VERS | 31 | ACIS flight software version number |

| Level 2 Observational Parameters | | |
|---|---|---|
| Parameter | Value | Description |
| ASCDSVER | 7.6.7.1 | ASCDS version number |
| DATE | 2006-04-15T05:08:56 | Date and time of file creation |
| DATE-OBS | 2004-10-11T16:53:17 | Observation start date |
| DATE-END | 2004-10-12T01:41:41 | Observation end date |
| INSTRUME | ACIS | Instrument |
| DETNAM | ACIS-23567 | Detector |
| GRATING | NONE | Grating |
| OBJECT | Abell 426 | Source name |
| TITLE | A Megasecond Image of the Core of the Perseus Cluster | Proposal tit |
| OBSERVER | Prof Andrew Fabian | Principal investigator |
| OBS_ID | 4947 | Observation id |
| SEQ_NUM | 800397 | Sequence number |
| RA_NOM | 49.938214837725 | Nominal RA |
| DEC_NOM | 41.525370293988 | Nominal Dec |
| ROLL_NOM | 130.60792069485 | Nominal Roll |

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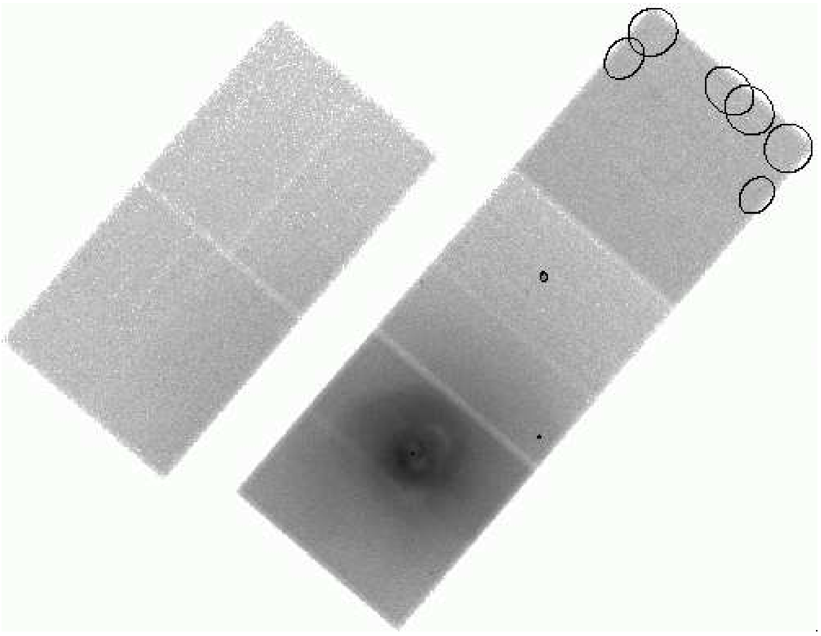
Full Field with Sources



| List of the Brighest Sources in the Field | | | | |
|---|---|---|---|---|
| RA[deg] | DEC[deg] | NET_COUNTS[count] | NET_COUNTS_ERR[count] | SNR |
| 49.950672 | 41.511729 | 3085.857178 | 77.232834 | 39.955250 |
| 49.614223 | 41.715229 | 812.405334 | 64.163155 | 12.661555 |
| 49.838028 | 41.522058 | 281.142853 | 24.286354 | 11.576165 |
| 49.735824 | 41.793242 | 749.159485 | 65.796402 | 11.386025 |
| 49.833664 | 41.629451 | 273.625000 | 26.934662 | 10.158843 |
| 49.761128 | 41.775738 | 465.541656 | 58.865597 | 7.908552 |
| 49.833886 | 41.629090 | 172.306824 | 24.500227 | 7.032866 |
| 49.667115 | 41.753571 | 436.435211 | 64.893265 | 6.725432 |
| 49.642829 | 41.683631 | 340.829559 | 51.960915 | 6.559345 |
| 49.649188 | 41.740685 | 430.654480 | 67.066170 | 6.421337 |