# Chandra X-ray Center

Seq Num: 800397

Instrument: ACIS

Obs ID: 6145

Source: Abell 426

PI: Prof Andrew Fabian

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

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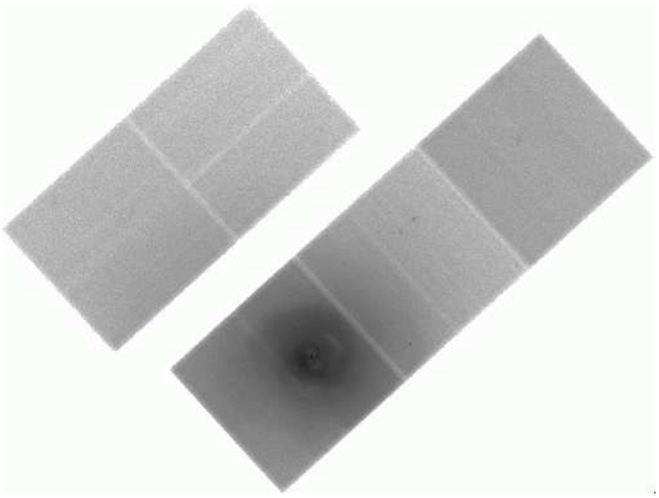
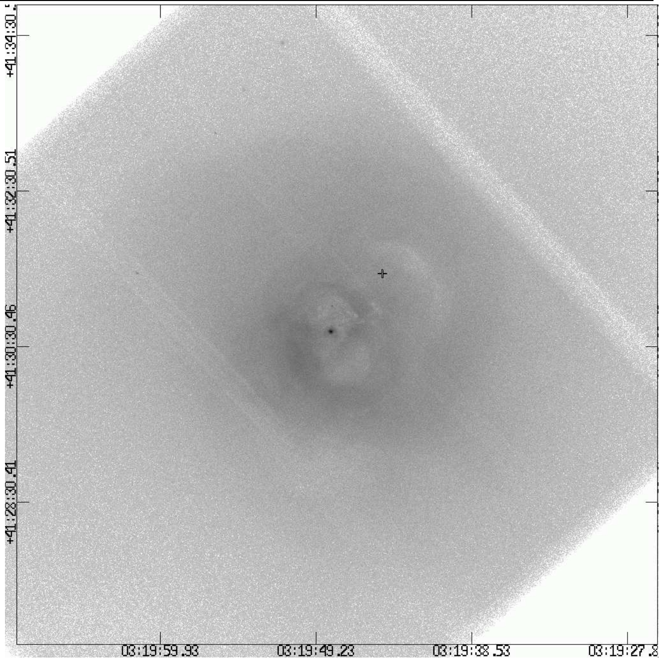
acisf06145N002 full img2.fits



acisf06145N002 cntr img2.fits



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| Level 1 Observational Parameters | | |
|---|---|---|
| Parameter | Value | Description |
| ASCDSVER | 7.6.7.1 | ASCDS version number |
| DATE | 2006-04-15T12:20:26 | Date and time of file creation |
| DATE-OBS | 2004-10-19T22:22:56 | Observation start date |
| DATE-END | 2004-10-20T22:39:10 | Observation end date |
| RA_PNT | 49.936069864021 | Pointing RA |
| DEC_PNT | 41.524091546431 | Pointing Dec |
| ROLL_PNT | 137.69794464366 | 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 | 154.09092712 | 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 | 2006-04-15T15:08:59 | Date and time of file creation |
| DATE-OBS | 2004-10-19T22:22:56 | Observation start date |
| DATE-END | 2004-10-20T22:39:10 | 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 | 6145 | Observation id |
| SEQ_NUM | 800397 | Sequence number |
| RA_NOM | 49.936069864021 | Nominal RA |
| DEC_NOM | 41.524091546431 | Nominal Dec |
| ROLL_NOM | 137.69794464366 | Nominal Roll |

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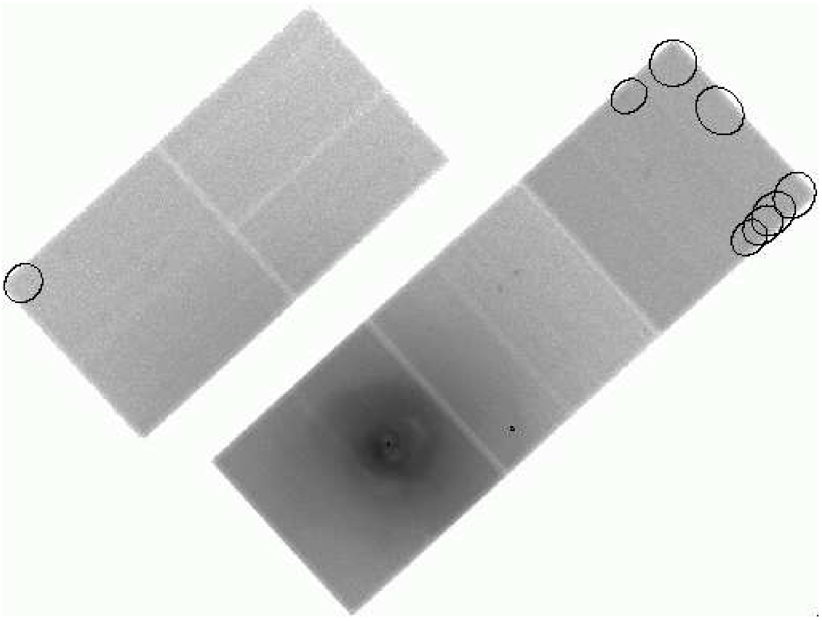
Full Field with Sources



| List of the Brighest Sources in the Field | | | | |
|---|---|---|---|---|
| RA[deg] | DEC[deg] | NET_COUNTS[count] | NET_COUNTS_ERR[count] | SNR |
| 49.950693 | 41.511760 | 8610.000000 | 127.506348 | 67.526047 |
| 49.689709 | 41.772106 | 2505.740967 | 108.533836 | 23.087185 |
| 49.579174 | 41.681431 | 1869.322266 | 96.318588 | 19.407700 |
| 49.838050 | 41.522195 | 791.285706 | 41.442204 | 19.093718 |
| 49.730520 | 41.749599 | 1263.000000 | 92.266220 | 13.688650 |
| 50.285293 | 41.621511 | 829.041687 | 62.571117 | 13.249591 |
| 49.620691 | 41.652650 | 1023.750000 | 90.287849 | 11.338735 |
| 49.598711 | 41.669042 | 1192.160767 | 106.150352 | 11.230869 |
| 49.647269 | 41.739305 | 1229.126221 | 113.478844 | 10.831326 |
| 49.608250 | 41.661171 | 1017.250000 | 99.062775 | 10.268741 |