# Chandra X-ray Center

Seq Num: 800540

Instrument: ACIS

Obs ID: 6229

Source: Cygnus A

PI: Dr Andrew Young

Title: Cygnus A — Shock Heating of the Intra-Cluster Medium

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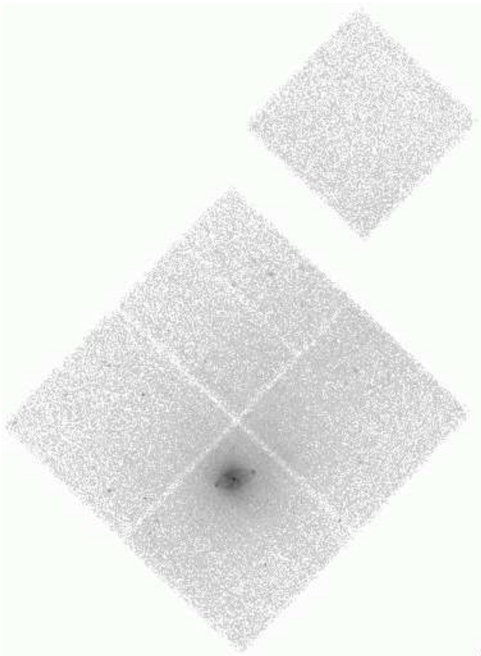
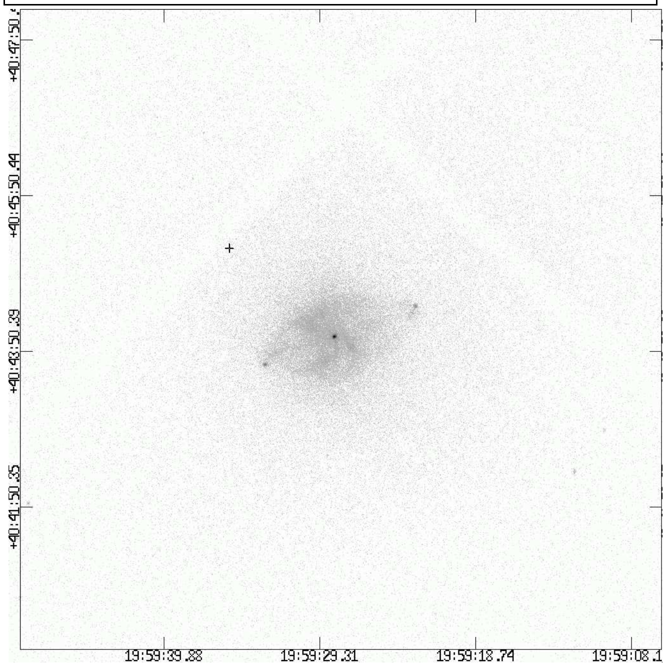
acisf06229N002 full img2.fits



acisf06229N002 cntr img2.fits



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| Level 1 Observational Parameters | | |
|---|---|---|
| Parameter | Value | Description |
| ASCDSVER | 7.6.7 | ASCDS version number |
| DATE | 2006-02-25T07:51:17 | Date and time of file creation |
| DATE-OBS | 2005-02-23T11:52:36 | Observation start date |
| DATE-END | 2005-02-23T19:02:47 | Observation end date |
| RA_PNT | 299.89758188912 | Pointing RA |
| DEC_PNT | 40.752721962269 | Pointing Dec |
| ROLL_PNT | 43.68933037778 | Pointing Roll |
| RA_TARG | 299.867917 | Observer's specified target RA |
| DEC_TARG | 40.733889 | Observer's specified target Dec |
| DATAMODE | VFAINT | Data mode |
| READMODE | TIMED | Read mode |
| FP_TEMP | 153.4460144 | Focal Plane Temperature [K] |
| FSW_VERS | 31 | ACIS flight software version number |

| Level 2 Observational Parameters | | |
|---|---|---|
| Parameter | Value | Description |
| ASCDSVER | 7.6.7 | ASCDS version number |
| DATE | 2006-02-25T08:42:45 | Date and time of file creation |
| DATE-OBS | 2005-02-23T11:52:36 | Observation start date |
| DATE-END | 2005-02-23T19:02:47 | Observation end date |
| INSTRUME | ACIS | Instrument |
| DETNAM | ACIS-01236 | Detector |
| GRATING | NONE | Grating |
| OBJECT | Cygnus A | Source name |
| TITLE | Cygnus A — Shock Heating of the Intra-Cluster Medium | Proposal ti |
| OBSERVER | Dr Andrew Young | Principal investigator |
| OBS_ID | 6229 | Observation id |
| SEQ_NUM | 800540 | Sequence number |
| RA_NOM | 299.89758188912 | Nominal RA |
| DEC_NOM | 40.752721962269 | Nominal Dec |
| ROLL_NOM | 43.68933037778 | Nominal Roll |

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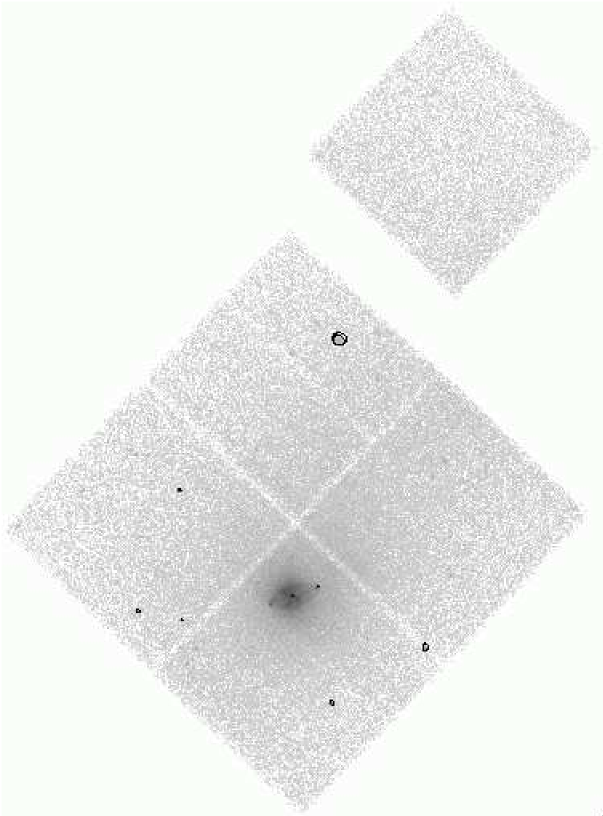
Full Field with Sources



| List of the Brighest Sources in the Field | | | | |
|---|---|---|---|---|
| RA[deg] | DEC[deg] | NET_COUNTS[count] | NET_COUNTS_ERR[count] | SNR |
| 299.867900 | 40.733840 | 3375.857178 | 70.187256 | 48.097862 |
| 299.887440 | 40.727858 | 270.571442 | 22.255114 | 12.157720 |
| 299.967976 | 40.717174 | 164.636368 | 14.605127 | 11.272504 |
| 299.969949 | 40.805485 | 172.428574 | 15.525087 | 11.106448 |
| 300.007767 | 40.723509 | 123.125000 | 14.342300 | 8.584745 |
| 299.844924 | 40.740360 | 165.000000 | 19.747366 | 8.355545 |
| 299.832262 | 40.660713 | 89.385002 | 11.539430 | 7.746050 |
| 299.826170 | 40.908234 | 103.797501 | 15.585094 | 6.660049 |
| 299.825697 | 40.909006 | 101.393105 | 16.058687 | 6.313910 |
| 299.748513 | 40.698423 | 63.795456 | 10.365149 | 6.154804 |