# Chandra X-ray Center

Seq Num: 700709

Instrument: ACIS

Obs ID: 4030

Source: MARKARIAN 231

PI: Dr. Sarah Gallagher

Title: PROBING THE NUCLEAR GEOMETRY OF THE MOST LUMINOUS GALAXY IN THE LOCAL UNIVERSE WITH CHANDRA

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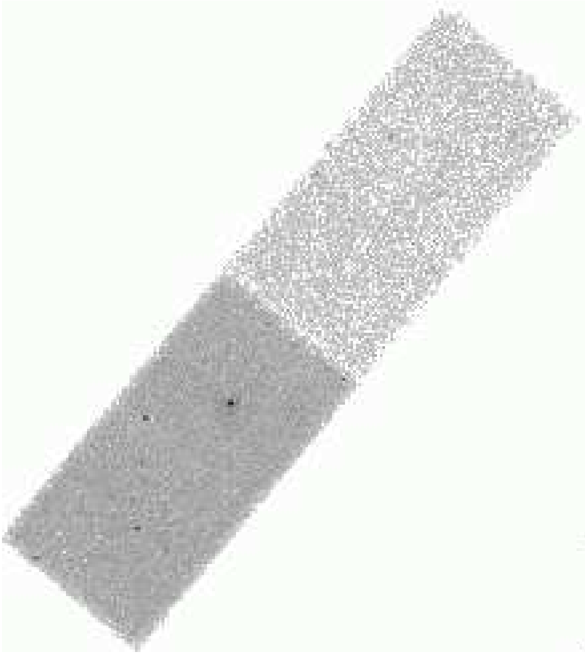
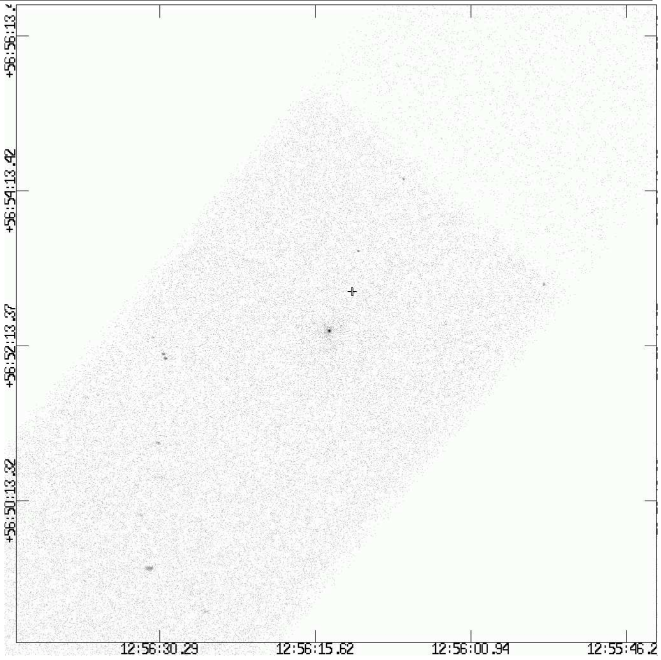
acisf04030N002 full img2.fits



acisf04030N002 cntr img2.fits



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| Level 1 Observational Parameters | | |
|---|---|---|
| Parameter | Value | Description |
| ASCDSVER | 7.6.8 | ASCDS version number |
| DATE | 2006-07-27T21:37:36 | Date and time of file creation |
| DATE-OBS | 2003-02-20T20:43:36 | Observation start date |
| DATE-END | 2003-02-21T07:18:57 | Observation end date |
| RA_PNT | 194.05042390169 | Pointing RA |
| DEC_PNT | 56.882047280299 | Pointing Dec |
| ROLL_PNT | 129.72016192784 | Pointing Roll |
| RA_TARG | 194.059167 | Observer's specified target RA |
| DEC_TARG | 56.873667 | Observer's specified target Dec |
| DATAMODE | VFAINT | 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 | ASCDS version number |
| DATE | 2006-07-27T22:15:57 | Date and time of file creation |
| DATE-OBS | 2003-02-20T20:43:36 | Observation start date |
| DATE-END | 2003-02-21T07:18:57 | Observation end date |
| INSTRUME | ACIS | Instrument |
| DETNAM | ACIS-67 | Detector |
| GRATING | NONE | Grating |
| OBJECT | MARKARIAN 231 | Source name |
| TITLE | PROBING THE NUCLEAR GEOMETRY OF THE MOST LUMINOUS GALAXY IN THE LOCAL UNIVERSE WITH CHANDRA | Proposal title |
| OBSERVER | Dr. Sarah Gallagher | Principal investigator |
| OBS_ID | 4030 | Observation id |
| SEQ_NUM | 700709 | Sequence number |
| RA_NOM | 194.05042390169 | Nominal RA |
| DEC_NOM | 56.882047280299 | Nominal Dec |
| ROLL_NOM | 129.72016192784 | Nominal Roll |

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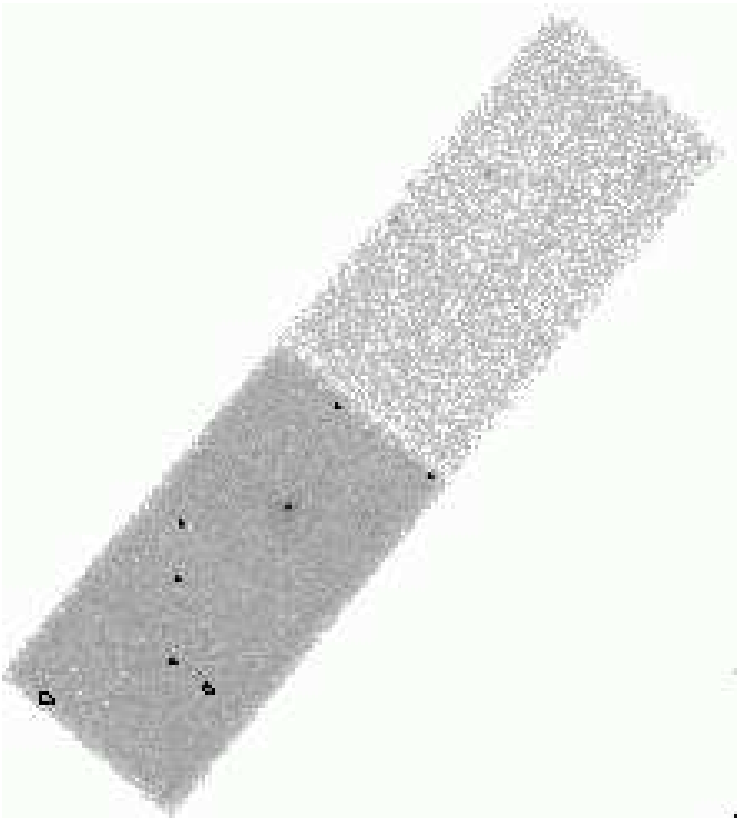
Full Field with Sources



| List of the Brighest Sources in the Field | | | | |
|---|---|---|---|---|
| RA[deg] | DEC[deg] | NET_COUNTS[count] | NET_COUNTS_ERR[count] | SNR |
| 194.059309 | 56.873681 | 1307.571411 | 39.046379 | 33.487648 |
| 194.129762 | 56.822562 | 252.583328 | 19.373159 | 13.037798 |
| 194.123486 | 56.867730 | 156.571426 | 15.315733 | 10.222914 |
| 194.124307 | 56.868664 | 113.142860 | 13.436145 | 8.420783 |
| 194.047941 | 56.890833 | 83.714287 | 10.685961 | 7.834044 |
| 194.030191 | 56.906355 | 71.142860 | 10.412070 | 6.832729 |
| 194.126229 | 56.849576 | 57.113636 | 10.412701 | 5.484998 |
| 193.975134 | 56.883638 | 50.857143 | 9.461879 | 5.374952 |
| 194.205663 | 56.809984 | 73.296555 | 14.019343 | 5.228244 |
| 194.107869 | 56.813471 | 55.958332 | 11.915589 | 4.696229 |