# Chandra X-ray Center

Seq Num: 700707

Instrument: ACIS

Obs ID: 4028

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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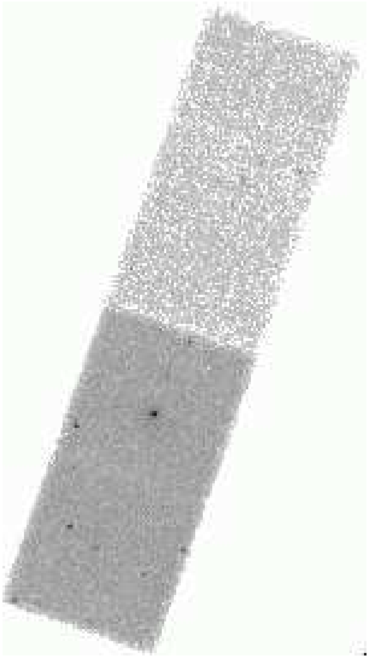
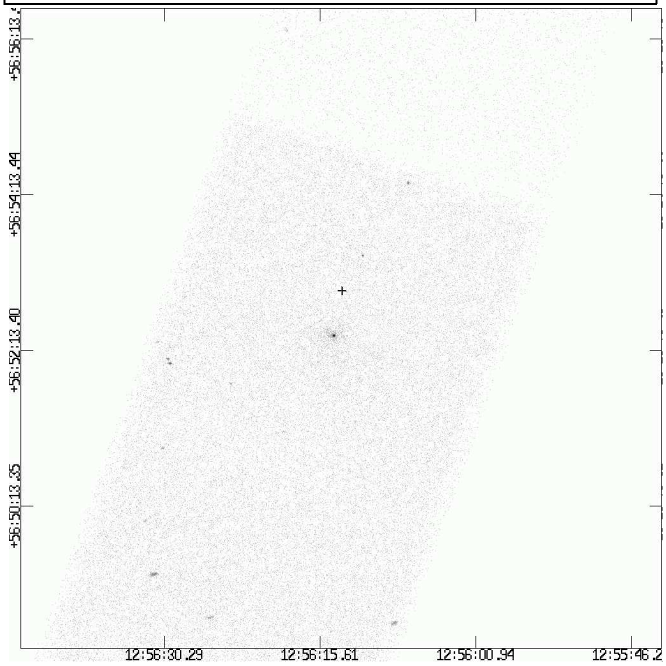
acisf04028N002 full img2.fits



acisf04028N002 cntr img2.fits



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| Level 1 Observational Parameters | | |
|---|---|---|
| Parameter | Value | Description |
| ASCDSVER | 7.6.8 | ASCDS version number |
| DATE | 2006-07-20T18:09:21 | Date and time of file creation |
| DATE-OBS | 2003-02-03T17:49:08 | Observation start date |
| DATE-END | 2003-02-04T05:30:20 | Observation end date |
| RA_PNT | 194.05633756794 | Pointing RA |
| DEC_PNT | 56.883190270858 | Pointing Dec |
| ROLL_PNT | 109.34507723585 | 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 | 153.2848053 | Focal Plane Temperature [K] |
| FSW_VERS | 30 | ACIS flight software version number |

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| Level 2 Observational Parameters | | |
|---|---|---|
| Parameter | Value | Description |
| ASCDSVER | 7.6.8 | ASCDS version number |
| DATE | 2006-07-20T18:44:47 | Date and time of file creation |
| DATE-OBS | 2003-02-03T17:49:08 | Observation start date |
| DATE-END | 2003-02-04T05:30:20 | 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 | 4028 | Observation id |
| SEQ_NUM | 700707 | Sequence number |
| RA_NOM | 194.05633756794 | Nominal RA |
| DEC_NOM | 56.883190270858 | Nominal Dec |
| ROLL_NOM | 109.34507723585 | Nominal Roll |

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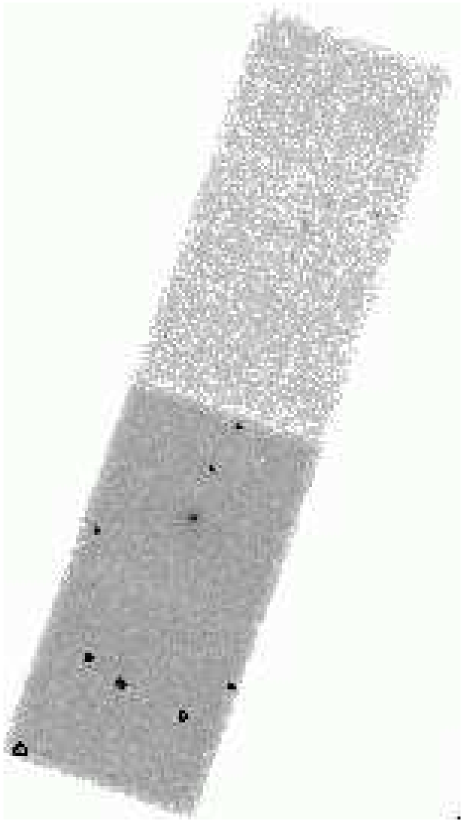
Full Field with Sources



| List of the Brighest Sources in the Field | | | | |
|---|---|---|---|---|
| RA[deg] | DEC[deg] | NET_COUNTS[count] | NET_COUNTS_ERR[count] | SNR |
| 194.059360 | 56.873627 | 1417.571411 | 40.744221 | 34.791962 |
| 194.129786 | 56.822480 | 360.625000 | 22.064688 | 16.343988 |
| 194.123496 | 56.867657 | 202.428574 | 16.527325 | 12.248115 |
| 194.035848 | 56.811980 | 179.500000 | 15.626437 | 11.486943 |
| 194.048046 | 56.890796 | 107.142860 | 12.171553 | 8.802727 |
| 194.124327 | 56.868610 | 110.714287 | 13.065798 | 8.473596 |
| 194.030161 | 56.906326 | 100.142860 | 12.897444 | 7.764551 |
| 194.174615 | 56.789161 | 115.337929 | 15.980808 | 7.217278 |
| 194.108114 | 56.813110 | 94.750000 | 14.026818 | 6.754918 |
| 194.067718 | 56.801007 | 76.875000 | 13.036282 | 5.897004 |