# Chandra X-ray Center

Seq Num: 700708

Instrument: ACIS

Obs ID: 4029

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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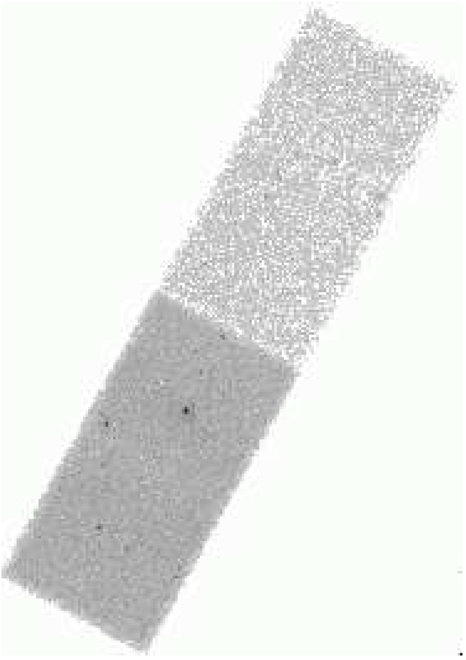
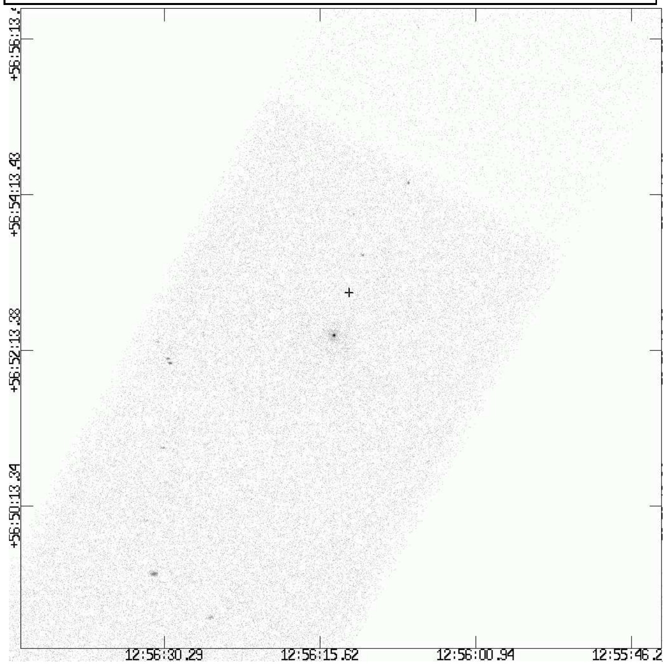
acisf04029N002 full img2.fits



acisf04029N002 cntr img2.fits



| Level 1 Observational Parameters | | |
|---|---|---|
| Parameter | Value | Description |
| ASCDSVER | 7.6.8 | ASCDS version number |
| DATE | 2006-07-21T02:01:11 | Date and time of file creation |
| DATE-OBS | 2003-02-11T18:17:13 | Observation start date |
| DATE-END | 2003-02-12T05:50:07 | Observation end date |
| RA_PNT | 194.05353651247 | Pointing RA |
| DEC_PNT | 56.882801527224 | Pointing Dec |
| ROLL_PNT | 118.71821843051 | 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 |

| Level 2 Observational Parameters | | |
|---|---|---|
| Parameter | Value | Description |
| ASCDSVER | 7.6.8 | ASCDS version number |
| DATE | 2006-07-21T02:34:35 | Date and time of file creation |
| DATE-OBS | 2003-02-11T18:17:13 | Observation start date |
| DATE-END | 2003-02-12T05:50:07 | 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 | 4029 | Observation id |
| SEQ_NUM | 700708 | Sequence number |
| RA_NOM | 194.05353651247 | Nominal RA |
| DEC_NOM | 56.882801527224 | Nominal Dec |
| ROLL_NOM | 118.71821843051 | Nominal Roll |

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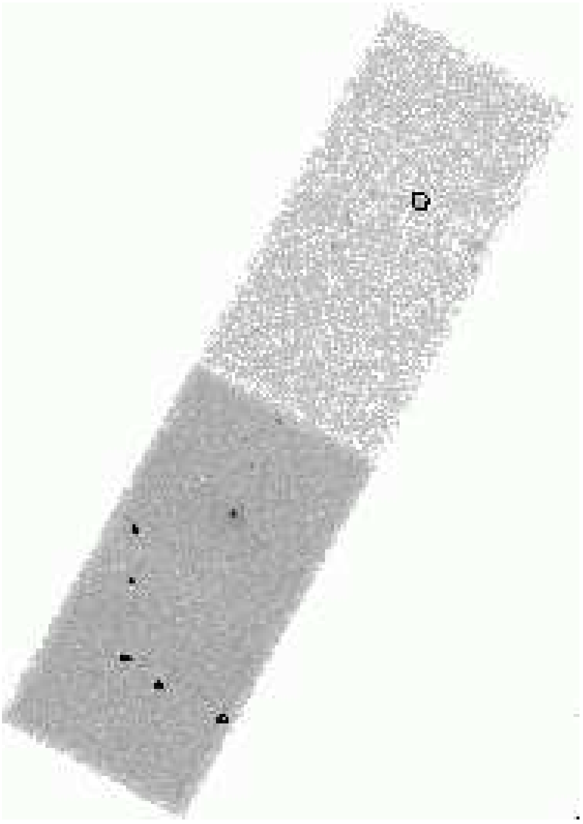
Full Field with Sources



| List of the Brighest Sources in the Field | | | | |
|---|---|---|---|---|
| RA[deg] | DEC[deg] | NET_COUNTS[count] | NET_COUNTS_ERR[count] | SNR |
| 194.059312 | 56.873690 | 1388.285767 | 40.413498 | 34.352028 |
| 194.129685 | 56.822604 | 389.583344 | 22.794767 | 17.090910 |
| 194.123524 | 56.867708 | 215.285721 | 17.346596 | 12.410833 |
| 194.124366 | 56.868681 | 106.285713 | 12.592659 | 8.440291 |
| 194.048058 | 56.890867 | 94.571426 | 11.916803 | 7.935973 |
| 194.030131 | 56.906333 | 90.571426 | 11.730716 | 7.720879 |
| 194.107815 | 56.813237 | 82.833336 | 13.375487 | 6.192921 |
| 194.126277 | 56.849519 | 60.034092 | 10.468464 | 5.734756 |
| 194.067409 | 56.800975 | 66.041664 | 12.175138 | 5.424305 |
| 193.940012 | 56.983348 | 49.875000 | 9.692734 | 5.145607 |