# Chandra X-ray Center

Seq Num: 600336

Instrument: ACIS

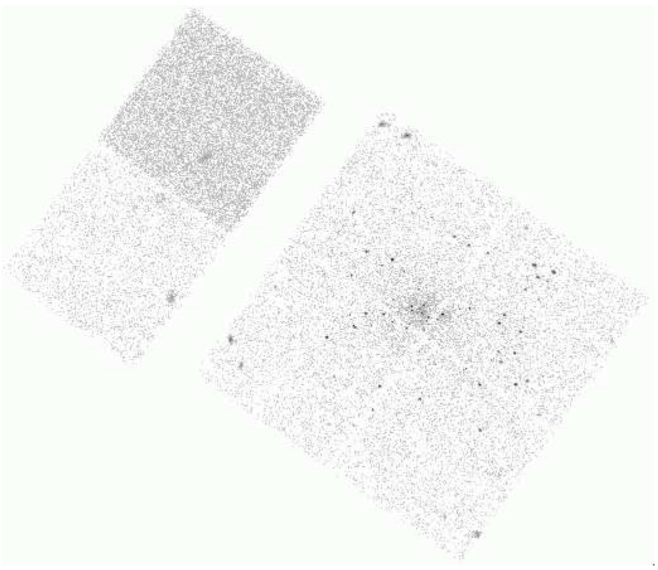
Obs ID: 4681

Source: M31-Center

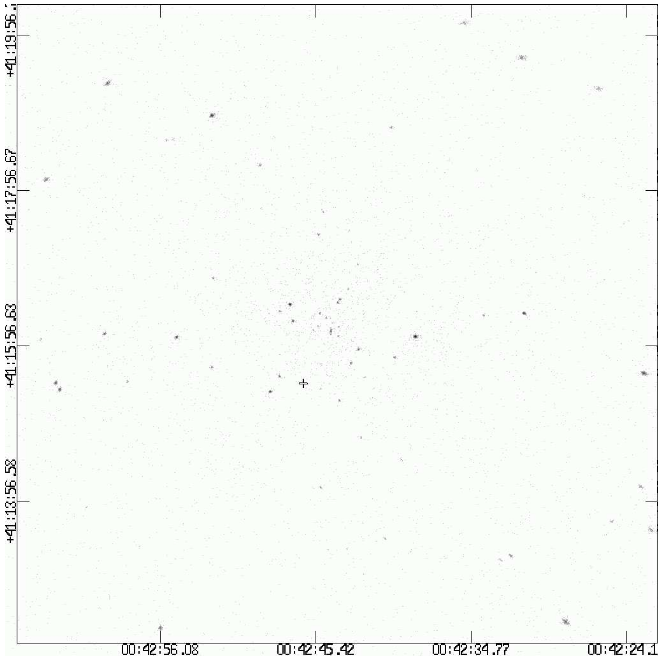
PI: Dr. Stephen Murray

Title: Searching for Black Hole X-ray Nova in M31

acisf04681N002 e2 full img2.fits



acisf04681N002 e2 cntr img2.fits



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| Level 1 Observational Parameters | | |
|---|---|---|
| Parameter | Value | Description |
| ASCDSVER | 7.6.7.2 | ASCDS version number |
| DATE | 2006-06-04T04:45:24 | Date and time of file creation |
| DATE-OBS | 2004-01-31T19:19:28 | Observation start date |
| DATE-END | 2004-01-31T21:20:12 | Observation end date |
| RA_PNT | 10.6926926049 | Pointing RA |
| DEC_PNT | 41.257636106112 | Pointing Dec |
| ROLL_PNT | 305.55059507021 | Pointing Roll |
| RA_TARG | 10.685 | Observer's specified target RA |
| DEC_TARG | 41.268972 | Observer's specified target Dec |
| DATAMODE | FAINT | 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 | 7.6.7.2 | ASCDS version number |
| DATE | 2006-06-04T05:35:18 | Date and time of file creation |
| DATE-OBS | 2004-01-31T19:19:28 | Observation start date |
| DATE-END | 2004-01-31T21:20:12 | Observation end date |
| INSTRUME | ACIS | Instrument |
| DETNAM | ACIS-012367 | Detector |
| GRATING | NONE | Grating |
| OBJECT | M31-Center | Source name |
| TITLE | Searching for Black Hole X-ray Nova in M31 | Proposal title |
| OBSERVER | Dr. Stephen Murray | Principal investigator |
| OBS_ID | 4681 | Observation id |
| SEQ_NUM | 600336 | Sequence number |
| RA_NOM | 10.6926926049 | Nominal RA |
| DEC_NOM | 41.257636106112 | Nominal Dec |
| ROLL_NOM | 305.55059507021 | Nominal Roll |

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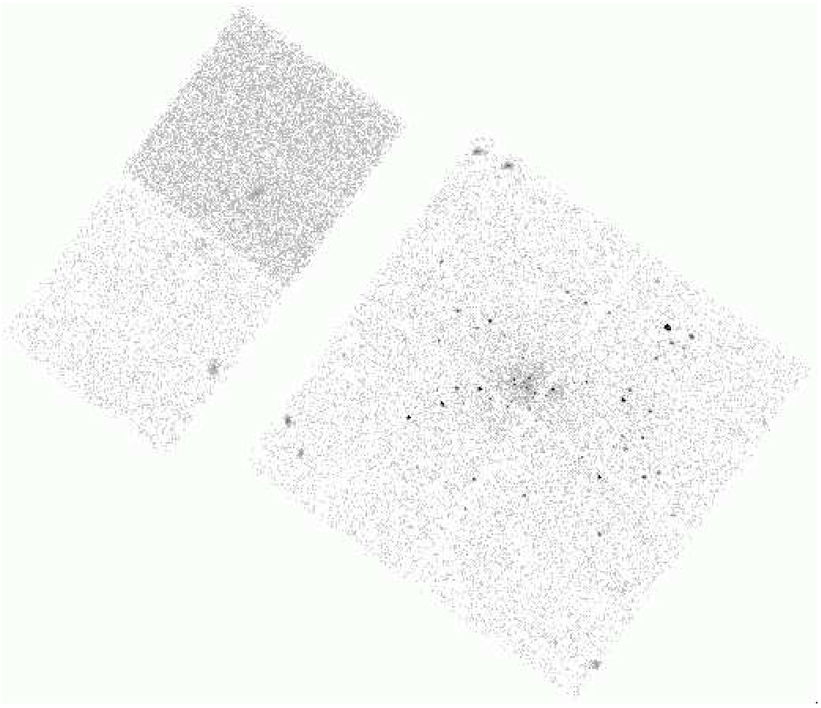
Full Field with Sources



| List of the Brighest Sources in the Field | | | | |
|---|---|---|---|---|
| RA[deg] | DEC[deg] | NET_COUNTS[count] | NET_COUNTS_ERR[count] | SNR |
| 10.660671 | 41.267758 | 687.000000 | 28.259777 | 24.310169 |
| 10.718759 | 41.315204 | 396.954559 | 21.630651 | 18.351482 |
| 10.696431 | 41.274654 | 355.571442 | 20.516529 | 17.330975 |
| 10.595458 | 41.259845 | 360.000000 | 20.805670 | 17.302975 |
| 10.794183 | 41.247708 | 332.857147 | 21.035435 | 15.823639 |
| 10.554722 | 41.310227 | 248.062073 | 17.539116 | 14.143362 |
| 10.728768 | 41.267640 | 241.000000 | 17.523935 | 13.752619 |
| 10.629610 | 41.272745 | 243.142853 | 17.890224 | 13.590821 |
| 10.617836 | 41.206525 | 236.142853 | 17.681070 | 13.355687 |
| 10.763288 | 41.257792 | 193.159088 | 15.189445 | 12.716665 |