

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 653 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 5 2009

See [axaff00653N001_VV001_vvref2.pdf](#) for the full report

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|----------------------------|---------------|
| V&V Scientist | Beth Sundheim |
| V&V Date (YYYY-MM-DD) | 2009.12.11 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 25.347 |

Comments

Focal plane temperature is warmer than -118.7 C degrees during the entire observation. This temperature is the upper limit of the verified ACIS calibration for the front-illuminated chips. The focal plane temperature is also warmer than -116.7 degrees C for the entire observation. This temperature is the upper limit of the verified ACIS calibration for the back-illuminated chips. The ACIS spectral response calibration is less accurate at these warmer temperatures than it is at -119.7 C. Users whose science objectives depend on the most accurate spectral response (ie: fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.

| | | |
|----------|--|---|
| seq_num | 300022 | Sequence number |
| obs_id | 653 | Observation id |
| title | X-RAY CONSTRAINTS ON THE BINARY STAR POPULATIONS IN OMEGA CENTAURI | |
| observer | Dr Adrienne Cool | Principal investigator |
| object | NGC 5139 | Source name |
| dtcycle | 0 | |
| cycle | P | events from which exps? Prim/Second/Both |
| ra_targ | 201.69125 | Observer's specified target RA |
| dec_targ | -47.476944 | Observer's specified target Dec |
| ra_nom | 201.69681731575 | Nominal RA |
| dec_nom | -47.473421976441 | Nominal Dec |
| roll_nom | 66.212792874031 | Nominal Roll |
| revision | 3 | Processing version of data |
| ontime | 25346.330816343 | Sum of GTIs [s] |
| livetime | 25025.380313819 | Livetime [s] |
| ontime0 | 25343.253946282 | Sum of GTIs [s] |
| ontime1 | 25349.694856629 | Sum of GTIs [s] |
| ontime2 | 25352.894796781 | Sum of GTIs [s] |
| ontime3 | 25346.330816343 | Sum of GTIs [s] |
| ontime6 | 25352.853756778 | Sum of GTIs [s] |
| l2events | 95276 | Number of level 2 events |

