

Chandra Verification and Validation Report

V&V Scientist: Alaine Duffy

Date (YYYY-MM-DD): 2003-10-28

Object: CTI

ObsID: 60499

Observation interval(s): 1

Processing version: 1

Instrument: ACIS

Detnam: ACIS-456789

Grating: NONE

Output products:

Level 1 (HRC/ACIS):

| | | |
|------------------------|--------|-------------------------------|
| events: | evt1: | acisf60499_001N001_evt1.fits |
| mission time line: | mtl1: | acisf60499_001N001_mtl1.fits |
| good time intervals: | flt1: | acisf60499_001N001_flt1.fits |
| bad pixel list: | bpix1: | acisf60499_001N001_bpix1.fits |
| window mask (acis): | msk1: | acisf60499_001N001_msk1.fits |
| exposure stats (acis): | stat1: | acisf60499_001N001_stat1.fits |

| | |
|------------------------|-------------------|
| deadtime factors: | hrc dtf1: |
| deadtime factor stats: | hrc std_dtfstat1: |

Level 2 (HRC/ACIS):

| | | |
|---------------|------------|--------------------------------------|
| events: | evt2: | acisf60499_001N001_evt2.fits |
| center image: | cntr_img2: | |
| full image: | full_img2: | acisf60499_001N001_full_img2.jpg.log |
| source list: | src2: | |

TG (L1.5)

| | |
|------------------------|---------|
| events (grating): | evt1a: |
| source list (grating): | srcl1a: |

TG (L2)

| | |
|--------------|---------------|
| Type II PHA: | grating pha2: |
|--------------|---------------|

Verify actual obspar updated: Y

Obspar tolerance checks:

| | | |
|-------------|--------------------|-----|
| instrument: | as expected: | Y |
| grating: | as expected: | Y |
| detnam: | as expected: | Y |
| ra_pnt: | within 30 arcsec: | N/A |
| dec_pnt: | within 30 arcsec: | N/A |
| roll_pnt: | within roll_toler: | |
| ra_nom: | matches ra_pnt: | N/A |
| ra_targ: | matches ra_pnt: | N/A |
| dec_nom: | matches dec_pnt: | N/A |
| dec_targ: | matches dec_pnt: | N/A |
| roll_nom: | matches roll_pnt: | |

roll_targ: matches roll_pnt: Y
datamode: as expected: Y
readmode: as expected (acis): Y
exptime_a: within 10% (acis):
sim_z: as expected: Y

Usual messages (if not 'yes' then fill following): Y

Processing Errors/Warnings:
Explain:

Visual inspection:

L1: Events: Y

L2: Events: Y
Center image:
Full image:

L1.5 (Grating) Events:
Source List:
Type II PHA:

Known Sources:

Record source position: x: 0.000000
y: 0.000000

Standard GTI Times (Seconds):

ACIS/HRC: Ontime: 8463.999968

ACIS Only: ONTIME0:
ONTIME1:
ONTIME2:
ONTIME3:
ONTIME4: 4685.0259932876
ONTIME5: 8463.9999684691
ONTIME6: 5038.2927077413
ONTIME7: 8463.9999684691
ONTIME8: 5294.3304436803
ONTIME9: 4928.1000576913

Constraints:

Time Critical: N/A

Constraint Met?:
Monitor:
Phase:
Window:

Comments (include reasons for disposition other than OK):

Focal plane temperature: -118.176350
specified goal: -120.000000
acceptable range about goal: +/- 1.000000

Exceeds threshold; calibration *may* be affected --

Aspect solution (ignore for 62k/CTI):

- | | Aspect Good (exceeds spec)
- | | Aspect NOT good --> requires reprocessing
- | | slot to drop (number btwn 0 and 8)

Charge_Time (Required): 8463

V&V Disposition and Status:

- |X| COMPLETED OK
V&V found no problems
- | | HOLD
V&V detected anomaly; V&V scientist will investigate
- | | REPROCESSING REQUIRED
V&V detected anomaly to be resolved by reprocessing
- | | REVIEW REQUIRED
V&V detected anomaly to be resolved by Director's office

Data Distribution:

- |X| DISTRIBUTE DATA
- | | DO NOT DISTRIBUTE DATA