

Chandra Verification and Validation Report

V&V Scientist: John Bright

Date (YYYY-MM-DD): 2002-11-23

Object: CTI

ObsID: 62796

Observation interval(s): 1

Processing version: 3

Instrument: HRC

Detnam: HRC-S

Grating: NONE

Output products:

Level 1 (HRC/ACIS):

| | | |
|------------------------|-------------------|--|
| events: | evt1: | hrcf62796_001N003_evt1.fits.gz |
| mission time line: | mtl1: | hrcf62796_001N003_mtl1.fits.gz |
| good time intervals: | flt1: | hrcf62796_001N003_std_flt1.fits.gz |
| bad pixel list: | bpix1: | hrcf62796_001N003_bpix1.fits.gz |
| window mask (acis): | msk1: | |
| exposure stats (acis): | stat1: | |
| deadtime factors: | hrc dtf1: | hrcf62796_001N003_dtf1.fits.gz |
| deadtime factor stats: | hrc std_dtfstat1: | hrcf62796_001N003_std_dtfstat1.fits.gz |

Level 2 (HRC/ACIS):

| | | |
|---------------|------------|-------------------------------------|
| events: | evt2: | hrcf62796_001N003_evt2.fits.gz |
| center image: | cntr_img2: | |
| full image: | full_img2: | hrcf62796_001N003_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): Y
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: 0.000000

ACIS Only: ONTIME0:
ONTIME1:
ONTIME2:
ONTIME3:
ONTIME4:
ONTIME5:
ONTIME6:
ONTIME7:
ONTIME8:
ONTIME9:

Constraints:

Time Critical: N/A

Constraint Met?:
Monitor:
Phase:
Window:

Comments (include reasons for disposition other than OK):

high voltage bounds are exceeded so no L2 image/jpg produced. limits on high voltage could be altered, but archive then not uniformly processed. elected to maintain uniform processing of data in archive. with that election, pipeline software has correctly handled this obsid.

Charge_Time (Required):

V&V Disposition and Status:

- 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:

- DISTRIBUTE DATA
- DO NOT DISTRIBUTE DATA