

## Chandra Verification and Validation Report

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Date (YYYY-MM-DD): 2003-10-27

Object: CTI

ObsID: 60500

Observation interval(s): 0

Processing version: 1

Instrument: ACIS

Detnam: ACIS-012367

Grating: NONE

Output products:

Level 1 (HRC/ACIS):

events:	evt1:	acisf60500_000N001_evt1.fits
mission time line:	mtl1:	acisf60500_000N001_mtl1.fits
good time intervals:	flt1:	acisf60500_000N001_flt1.fits
bad pixel list:	bpix1:	acisf60500_000N001_bpix1.fits
window mask (acis):	msk1:	acisf60500_000N001_msk1.fits
exposure stats (acis):	stat1:	acisf60500_000N001_stat1.fits

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

Level 2 (HRC/ACIS):

events:	evt2:	acisf60500_000N001_evt2.fits
center image:	cntr_img2:	
full image:	full_img2:	acisf60500_000N001_full_img2.jpg.log
source list:	src2:	

TG (L1.5)

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

TG (L2)

Type II PHA:	grating pha2:	
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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: 8419.199969

ACIS Only: ONTIME0: 5583.0410474837

ONTIME1: 5693.5485832691

ONTIME2: 5304.3997747898

ONTIME3: 5414.8248113990

ONTIME4:

ONTIME5:

ONTIME6: 5888.0068373382

ONTIME7: 8419.1999686360

ONTIME8:

ONTIME9:

Constraints:

Time Critical: N/A

Constraint Met?:

Monitor:

Phase:

Window:

Comments (include reasons for disposition other than OK):

Focal plane temperature: -119.262480

specified goal: -120.000000

acceptable range about goal: +/- 1.000000

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): 8419.1

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