

## Chandra Verification and Validation Report

V&V Scientist: Alaine Duffy

Date (YYYY-MM-DD): 2002-04-08

Object: CTI

ObsID: 62791

Observation interval(s): 0

Processing version: 1

Instrument: ACIS

Detnam: ACIS-012367

Grating: NONE

Output products:

Level 1 (HRC/ACIS):

events:	evt1:	acisf62791_000N001_evt1.fits.gz
mission time line:	mtl1:	acisf62791_000N001_mtl1.fits.gz
good time intervals:	flt1:	acisf62791_000N001_flt1.fits.gz
bad pixel list:	bpix1:	acisf62791_000N001_bpix1.fits.gz
window mask (acis):	msk1:	acisf62791_000N001_msk1.fits.gz
exposure stats (acis):	stat1:	acisf62791_000N001_stat1.fits.gz

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

Level 2 (HRC/ACIS):

events:	evt2:	acisf62791_000N001_evt2.fits.gz
center image:	cntr_img2:	acisf62791_000N001_cntr_img2.fits.gz
full image:	full_img2:	acisf62791_000N001_full_img2.fits.gz
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:	
grating:	as expected:	Y
detnam:	as expected:	
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:  
readmode: as expected (acis):  
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: 4171.799866

ACIS Only: ONTIME0: 4171.7998659983  
ONTIME1: 4171.7998659983  
ONTIME2: 4171.7998659983  
ONTIME3: 4171.7998659983  
ONTIME4:  
ONTIME5:  
ONTIME6: 4171.7998659983  
ONTIME7: 4171.7998659983  
ONTIME8:  
ONTIME9:

Constraints:

Time Critical: N/A

Constraint Met?:  
Monitor:  
Phase:  
Window:

Comments (include reasons for disposition other than OK):

Obsid is one of a group with zero telemetered events. Obsid should have been stopped prior to reaching V&V. Processing correctly handles the zero-event files.

Charge\_Time (Required):

## V&amp;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