

## Chandra Verification and Validation Report

V&V Scientist: Alaine Duffy

Date (YYYY-MM-DD): 2002-04-16

Object: CTI

ObsID: 62755

Observation interval(s): 0

Processing version: 1

Instrument: ACIS

Detnam: ACIS-456789

Grating: NONE

## Output products:

## Level 1 (HRC/ACIS):

events:	evt1:	acisf62755_000N001_evt1.fits.gz
mission time line:	mtl1:	acisf62755_000N001_mtl1.fits.gz
good time intervals:	flt1:	acisf62755_000N001_flt1.fits.gz
bad pixel list:	bpix1:	acisf62755_000N001_bpix1.fits.gz
window mask (acis):	msk1:	acisf62755_000N001_msk1.fits.gz
exposure stats (acis):	stat1:	acisf62755_000N001_stat1.fits.gz

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

## Level 2 (HRC/ACIS):

events:	evt2:	acisf62755_000N001_evt2.fits.gz
center image:	cntr_img2:	acisf62755_000N001_cntr_img2.fits.gz
full image:	full_img2:	acisf62755_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: 547.352517

ACIS Only: ONTIME0:  
ONTIME1:  
ONTIME2:  
ONTIME3:  
ONTIME4: 547.3525170013  
ONTIME5: 547.3525170013  
ONTIME6: 547.3525170013  
ONTIME7: 547.3525170013  
ONTIME8: 547.3525170013  
ONTIME9: 547.3525170013

Constraints:

Time Critical: N/A

Constraint Met?:  
Monitor:  
Phase:  
Window:

Comments (include reasons for disposition other than OK):

There are zero events, reported by the processing software as well as the ACIS hardware team.

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