

# V&V Reference Report

## L2 ASCDS Version : 10.4.2.1

Observation 62668 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Dec 11 2015

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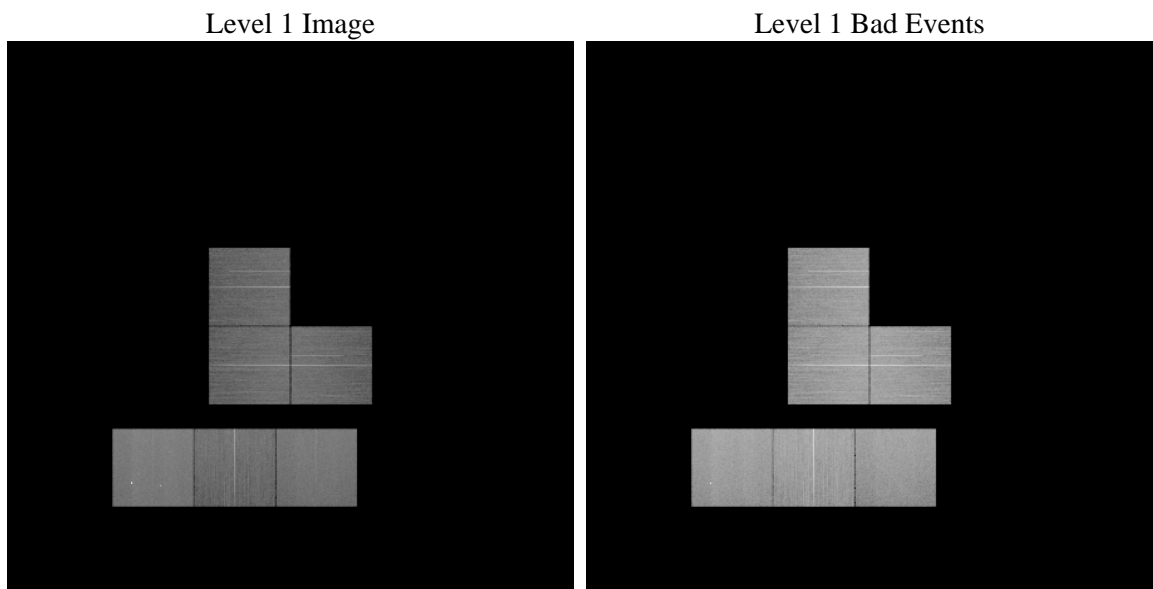
# 1 Front

seq_num	&#160	Sequence number
obs_id	62668	Observation id
title	ACIS-023567 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	218.09924004227	Nominal RA [deg]
dec_nom	-62.397391965236	Nominal Dec [deg]
roll_nom	130.26393525743	Nominal Roll [deg]
revision	1	Processing version of data
ontime	47984.000715017	Sum of GTIs [s]
livetime	47376.398405467	Livetime [s]
ontime0	47984.000715017	Sum of GTIs [s]
ontime2	47977.51877439	Sum of GTIs [s]
ontime3	47980.759744644	Sum of GTIs [s]
ontime5	47984.000715017	Sum of GTIs [s]
ontime6	47984.000715017	Sum of GTIs [s]
ontime7	47984.000715017	Sum of GTIs [s]
l2events	434197	Number of level 2 events

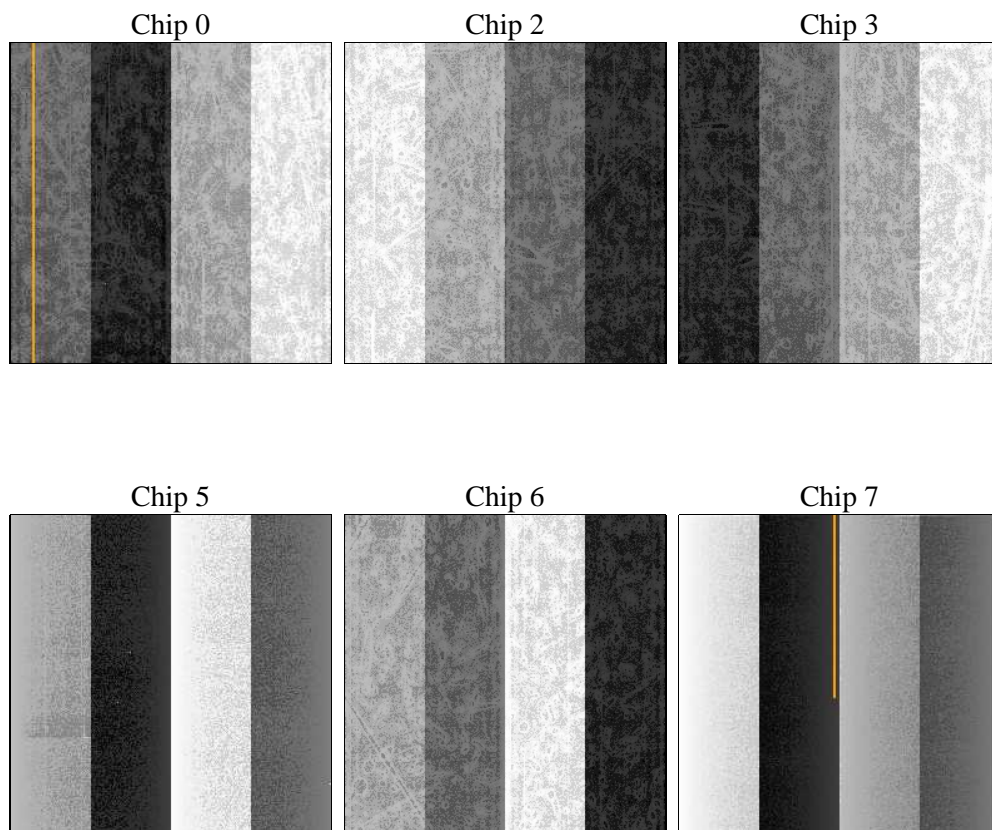
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	47984.000715017	Sum of GTIs [s]
caldsver	4.6.10a	&#160	ontime0	47984.000715017	Sum of GTIs [s]
date	2015-12-11T16:15:43	Date and time of file creation	ontime2	47977.51877439	Sum of GTIs [s]
revision	1	Processing version of data	ontime3	47980.759744644	Sum of GTIs [s]
			ontime5	47984.000715017	Sum of GTIs [s]
			ontime6	47984.000715017	Sum of GTIs [s]
			ontime7	47984.000715017	Sum of GTIs [s]
			l1events	1776284	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7		ccd 0	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	231916	254744	248102	426612	271803	343107	grade 0 events	9191	9339	9867	19564	9404	12670
rejected events	203527	227134	219897	217940	241828	193413		3%	3%	3%	4%	3%	3%
rejected %	87%	89%	88%	51%	88%	56%	grade 1 events	138	145	140	2164	127	445
								0%	0%	0%	0%	0%	0%
							grade 2 events	7452	7126	6276	65542	7179	30957
								3%	2%	2%	15%	2%	9%
							grade 3 events	2929	2800	2974	6580	3133	12638
								1%	1%	1%	1%	1%	3%
							grade 4 events	2829	2896	3028	6329	3045	12401
								1%	1%	1%	1%	1%	3%
							grade 5 events	11397	10534	13035	30460	13496	35293
								4%	4%	5%	7%	4%	10%
							grade 6 events	5988	5449	6060	110657	7214	81028
								2%	2%	2%	25%	2%	23%
							grade 7 events	191992	216455	206722	185316	228205	157675
								82%	84%	83%	43%	83%	45%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-023567	ACIS-023567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	218.0992400422703	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-62.39739196523619	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	130.2639352574327	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.038866356238299			
[mm] SIM defocus	0.1037507710433287	0.001426264420575141			
[mm] SIM translation stage pos	250.455976	51.9960404362608			
[mm] SIM translation stage offset	0	74.98944845534076			
[s] Observation start time (MET)	566011653.789943	566011652.76494			
Observation start date	2015-12-09T01:27:34	2015-12-09T01:27:32			
[s] Observation end time (MET)	566061413.4427609	566061412.41776			
Observation end date	2015-12-09T15:16:53	2015-12-09T15:16:52			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## **A Summary**

### **A.1 Status**

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.12.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.984000715017

### **A.2 Comments**