

# V&V Reference Report

## L2 ASCDS Version : 10.4.3

Observation 51367 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jan 1 2016

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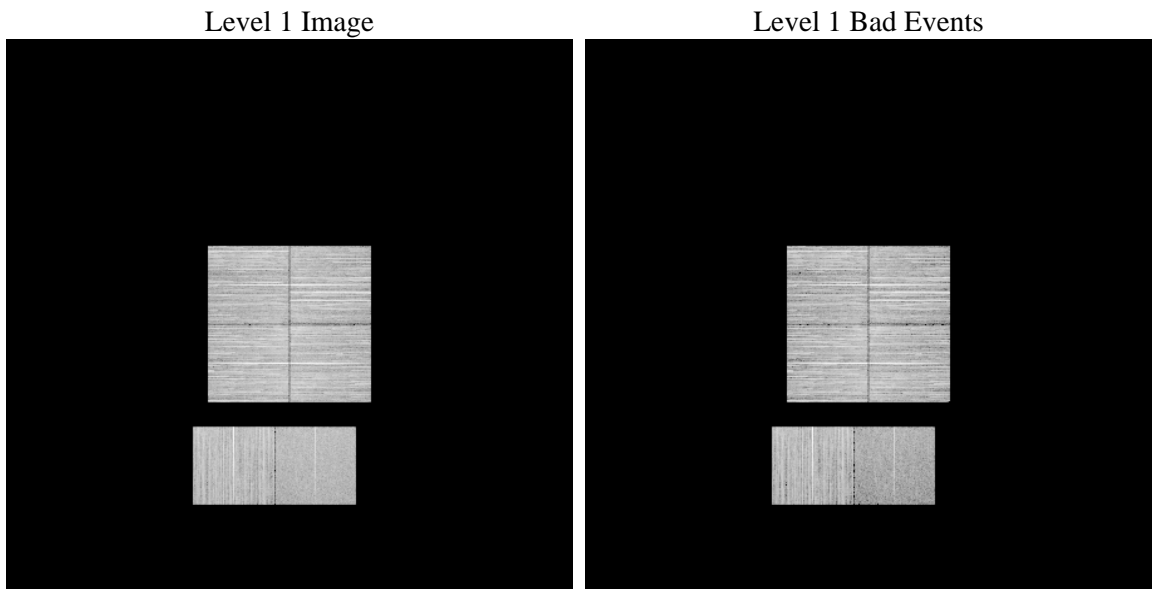
# 1 Front

seq_num	&#160	Sequence number
obs_id	51367	Observation id
title	ACIS-012367 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	83.495310872921	Nominal RA [deg]
dec_nom	33.469631366884	Nominal Dec [deg]
roll_nom	239.59196656249	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7670.4001142979	Sum of GTIs [s]
livetime	7573.2728894902	Livetime [s]
ontime0	7670.4001142979	Sum of GTIs [s]
ontime1	7670.3631178141	Sum of GTIs [s]
ontime2	7670.3220777512	Sum of GTIs [s]
ontime3	7670.4001142979	Sum of GTIs [s]
ontime6	7670.2810378075	Sum of GTIs [s]
ontime7	7670.4001142979	Sum of GTIs [s]
l2events	136054	Number of level 2 events

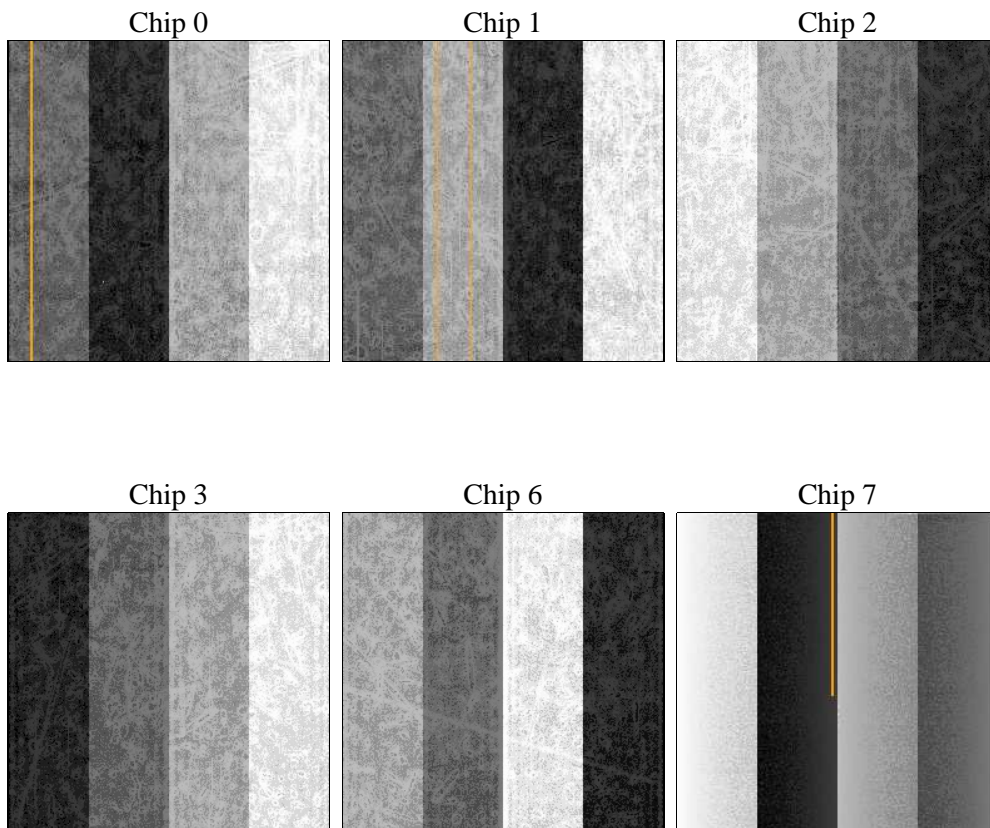
## 2 OBI

### 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	10.4.3	Processing system revision	ontime	7670.4001142979	Sum of GTIs [s]
caldsver	4.7.0	&#160	ontime0	7670.4001142979	Sum of GTIs [s]
date	2016-01-01T18:24:57	Date and time of file creation	ontime1	7670.3631178141	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7670.3220777512	Sum of GTIs [s]
			ontime3	7670.4001142979	Sum of GTIs [s]
			ontime6	7670.2810378075	Sum of GTIs [s]
			ontime7	7670.4001142979	Sum of GTIs [s]
			l1events	837903	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	139429	148792	153620	143856	139851	112355	grade 0 events	9414	8830	9836	9632	9520	5447
rejected events	119689	129408	133783	124472	119287	66497		6%	5%	6%	6%	6%	4%
rejected %	85%	86%	87%	86%	85%	59%	grade 1 events	62	54	68	58	50	95
								0%	0%	0%	0%	0%	0%
							grade 2 events	4235	4383	4008	3807	4295	11187
								3%	2%	2%	2%	3%	9%
							grade 3 events	1321	1352	1402	1325	1408	3592
								0%	0%	0%	0%	1%	3%
							grade 4 events	1436	1353	1415	1393	1455	3602
								1%	0%	0%	0%	1%	3%
							grade 5 events	2764	2830	2710	3122	3000	7407
								1%	1%	1%	2%	2%	6%
							grade 6 events	3334	3466	3176	3227	3886	22030
								2%	2%	2%	2%	2%	19%
							grade 7 events	116863	126524	131005	121292	116237	58995
								83%	85%	85%	84%	83%	52%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	83.4953108729211
[deg] Pointing Dec	0	33.4696313668838
[deg] Pointing Roll	0.0	239.5919665624875
[mm] SIM focus pos	-1.429586	-0.6828225247311905
[mm] SIM defocus	0.1037507710433287	0.8505141146731063
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	567984633.351864	567984632.32686
Observation start date	2015-12-31T21:30:33	2015-12-31T21:30:32
[s] Observation end time (MET)	568002950.102904	568002949.0779001
Observation end date	2016-01-01T02:35:50	2016-01-01T02:35:49
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2016.01.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.6704001142979

### A.2 Comments