

# V&V Reference Report

## L2 ASCDS Version : 10.3.3

Observation 52051 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Feb 23 2015

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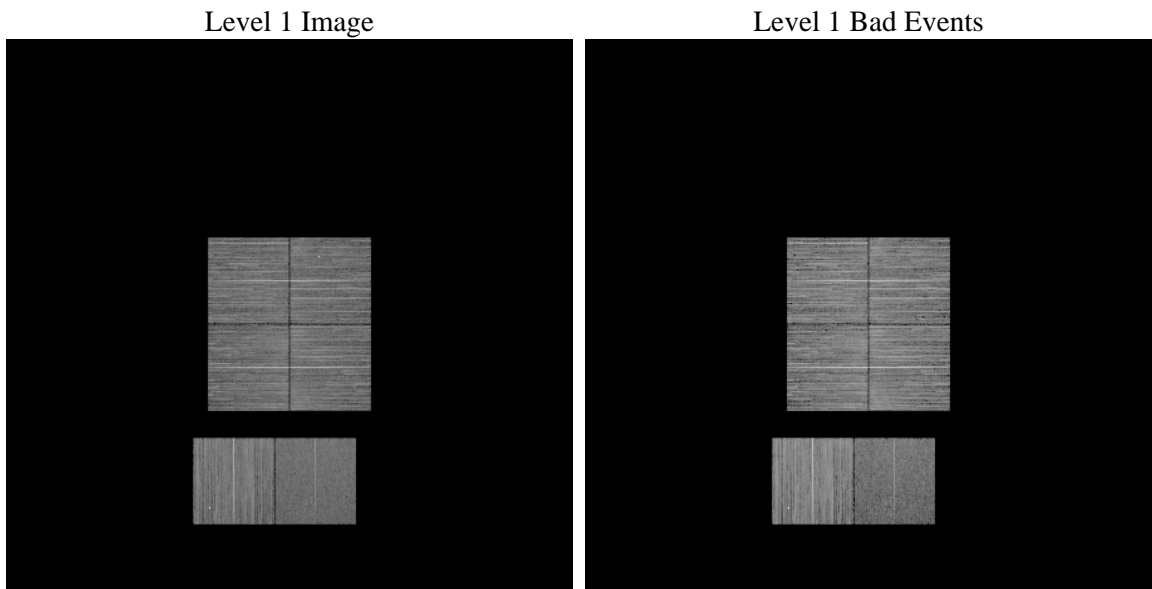
# 1 Front

seq_num	&#160	Sequence number
obs_id	52051	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycycle	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	187.98621557502	Nominal RA [deg]
dec_nom	5.0240603979199	Nominal Dec [deg]
roll_nom	79.186115536768	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8395.9696321487	Sum of GTIs [s]
livetime	8289.6548092205	Livetime [s]
ontime0	8395.9285920858	Sum of GTIs [s]
ontime1	8395.8875521421	Sum of GTIs [s]
ontime2	8395.8465120792	Sum of GTIs [s]
ontime3	8396.0106720924	Sum of GTIs [s]
ontime6	8395.8054721355	Sum of GTIs [s]
ontime7	8395.9696321487	Sum of GTIs [s]
l2events	153661	Number of level 2 events

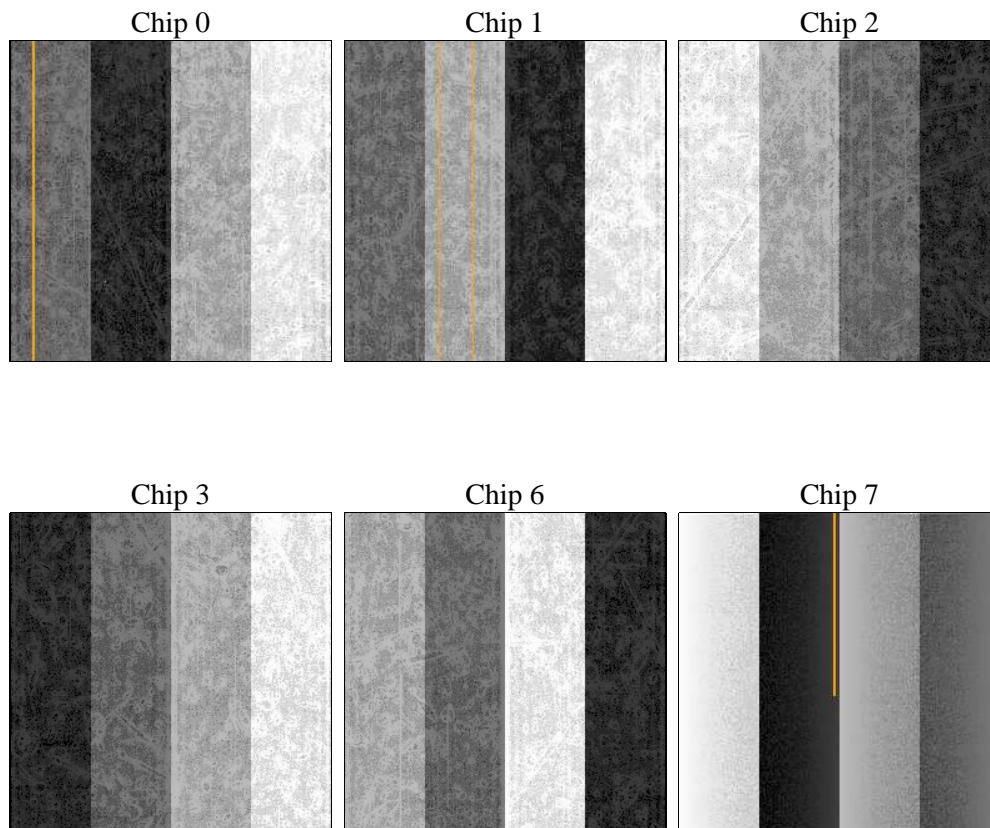
## 2 OBI

### 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	10.3.3	Processing system revision	ontime	8395.9696321487	Sum of GTIs [s]
caldbver	4.6.6	&#160	ontime0	8395.9285920858	Sum of GTIs [s]
date	2015-02-23T15:37:34	Date and time of file creation	ontime1	8395.8875521421	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8395.8465120792	Sum of GTIs [s]
			ontime3	8396.0106720924	Sum of GTIs [s]
			ontime6	8395.8054721355	Sum of GTIs [s]
			ontime7	8395.9696321487	Sum of GTIs [s]
			l1events	854432	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	147446	140886	140610	148088	162187	115215	grade 0 events	10878	11944	11607	11604	10432	5664
rejected events	124668	115956	117653	124948	136046	67676		7%	8%	8%	7%	6%	4%
rejected %	84%	82%	83%	84%	83%	58%	grade 1 events	44	57	54	53	60	74
								0%	0%	0%	0%	0%	0%
							grade 2 events	5114	5954	4756	4833	8498	12061
								3%	4%	3%	3%	5%	10%
							grade 3 events	1555	1498	1562	1567	1468	3513
								1%	1%	1%	1%	0%	3%
							grade 4 events	1517	1551	1632	1622	1431	3490
								1%	1%	1%	1%	0%	3%
							grade 5 events	2681	2660	2452	2958	2738	6732
								1%	1%	1%	1%	1%	5%
							grade 6 events	3898	4216	3587	3680	4525	23184
								2%	2%	2%	2%	2%	20%
							grade 7 events	121759	113006	114960	121771	133035	60497
								82%	80%	81%	82%	82%	52%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	187.9862155750221	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	5.024060397919873	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	79.18611553676791	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	541062997.8466491	541062996.82165			
Observation start date	2015-02-23T07:16:38	2015-02-23T07:16:36			
[s] Observation end time (MET)	541075154.347329	541075153.32233			
Observation end date	2015-02-23T10:39:14	2015-02-23T10:39:13			
Read mode	TIMED	TIMED			

**2.3 Star Slots**

**2.4 FID Slots**

# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.02.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3959696321487

## A.2 Comments