

# V&V Reference Report

## L2 ASCDS Version : 10.2.4

Observation 52608 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jul 24 2014

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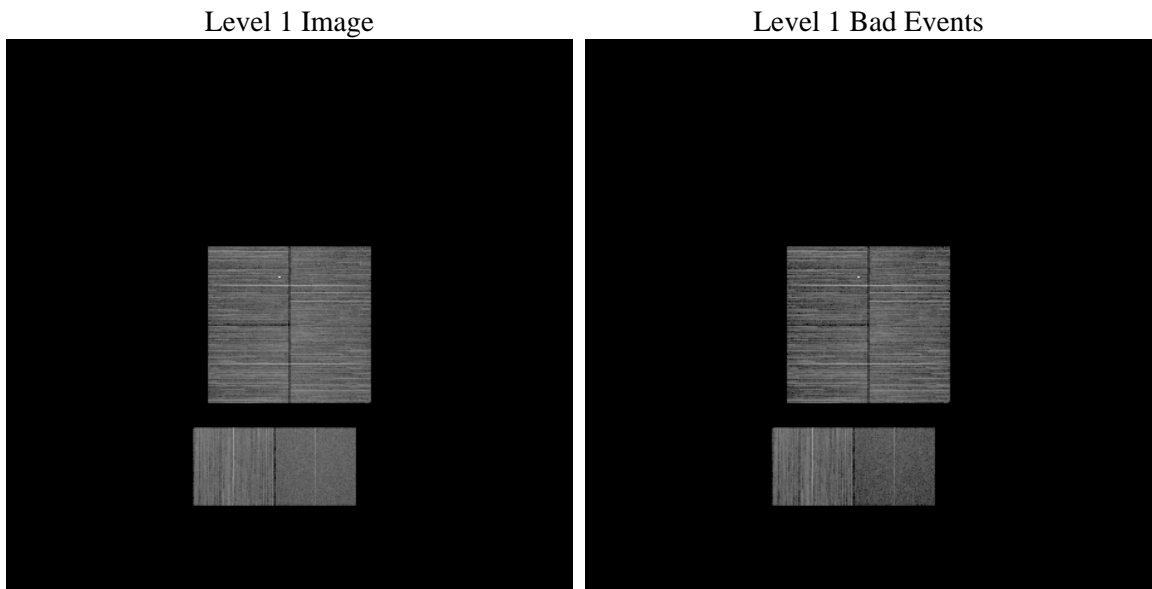
# 1 Front

seq_num	&#160	Sequence number
obs_id	52608	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	300.9383535579	Nominal RA [deg]
dec_nom	-48.58625373787	Nominal Dec [deg]
roll_nom	355.71194616774	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8418.0720217228	Sum of GTIs [s]
livetime	8311.4773250293	Livetime [s]
ontime0	8418.0309817195	Sum of GTIs [s]
ontime1	8417.9899417162	Sum of GTIs [s]
ontime2	8414.707881391	Sum of GTIs [s]
ontime3	8418.1130617261	Sum of GTIs [s]
ontime6	8417.9078617096	Sum of GTIs [s]
ontime7	8418.0720217228	Sum of GTIs [s]
l2events	171729	Number of level 2 events

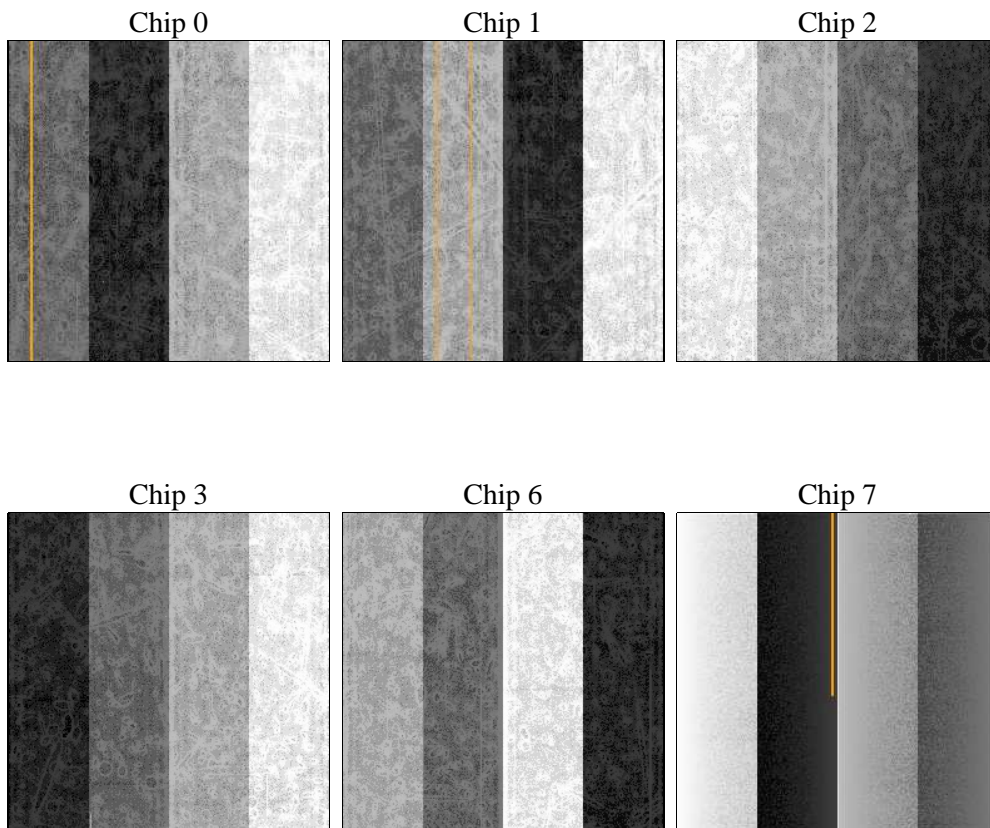
## 2 OBI

### 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	10.2.4	Processing system revision	ontime	8418.0720217228	Sum of GTIs [s]
caldsver	4.6.2	&#160	ontime0	8418.0309817195	Sum of GTIs [s]
date	2014-07-24T19:26:07	Date and time of file creation	ontime1	8417.9899417162	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8414.707881391	Sum of GTIs [s]
			ontime3	8418.1130617261	Sum of GTIs [s]
			ontime6	8417.9078617096	Sum of GTIs [s]
			ontime7	8418.0720217228	Sum of GTIs [s]
			l1events	887247	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	149937	145686	152008	158725	161630	119261	grade 0 events	12866	12532	13304	13411	12954	6824
rejected events	124322	119508	126083	132783	134397	67888		8%	8%	8%	8%	8%	5%
rejected %	82%	82%	82%	83%	83%	56%	grade 1 events	59	47	85	79	49	81
								0%	0%	0%	0%	0%	0%
							grade 2 events	5265	5891	5237	4986	6024	12653
								3%	4%	3%	3%	3%	10%
							grade 3 events	1764	1662	1780	1769	1701	4061
								1%	1%	1%	1%	1%	3%
							grade 4 events	1743	1742	1813	1891	1804	3882
								1%	1%	1%	1%	1%	3%
							grade 5 events	2850	2912	2631	3299	3050	7245
								1%	1%	1%	2%	1%	6%
							grade 6 events	4152	4515	3943	4040	4909	24271
								2%	3%	2%	2%	3%	20%
							grade 7 events	121238	116385	123215	129250	131139	60244
								80%	79%	81%	81%	81%	50%

## 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	300.938353557897	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-48.58625373787012	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	355.7119461677388	[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)	522551767.416507	522551766.39151			
Observation start date	2014-07-24T01:16:07	2014-07-24T01:16:06			
[s] Observation end time (MET)	522563636.917163	522563635.89216			
Observation end date	2014-07-24T04:33:57	2014-07-24T04:33:55			
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)	2014.07.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4180720217228

### A.2 Comments