

# V&V Reference Report

## L2 ASCDS Version : 10.2.4

Observation 52364 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Oct 22 2014

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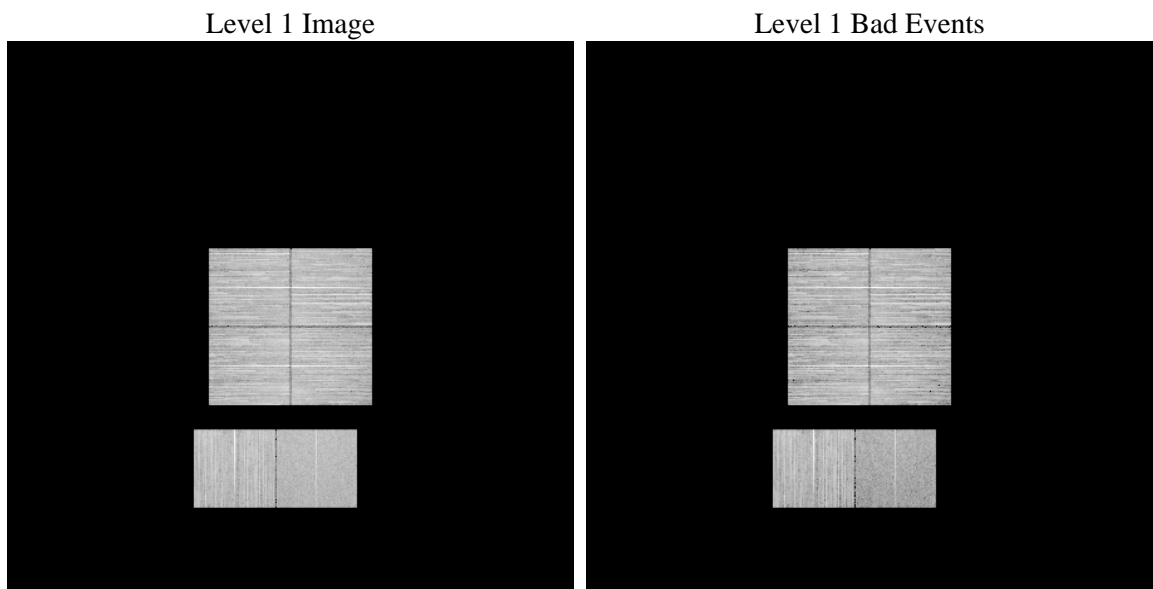
# 1 Front

seq_num	&#160	Sequence number
obs_id	52364	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	163.30051411519	Nominal RA [deg]
dec_nom	16.515175728729	Nominal Dec [deg]
roll_nom	60.241531987605	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8261.4574822187	Sum of GTIs [s]
livetime	8156.8459331264	Livetime [s]
ontime0	8154.4622814655	Sum of GTIs [s]
ontime1	8151.1800422072	Sum of GTIs [s]
ontime2	8147.8979622126	Sum of GTIs [s]
ontime3	8148.0623412132	Sum of GTIs [s]
ontime6	8164.0622715354	Sum of GTIs [s]
ontime7	8261.4574822187	Sum of GTIs [s]
l2events	165194	Number of level 2 events

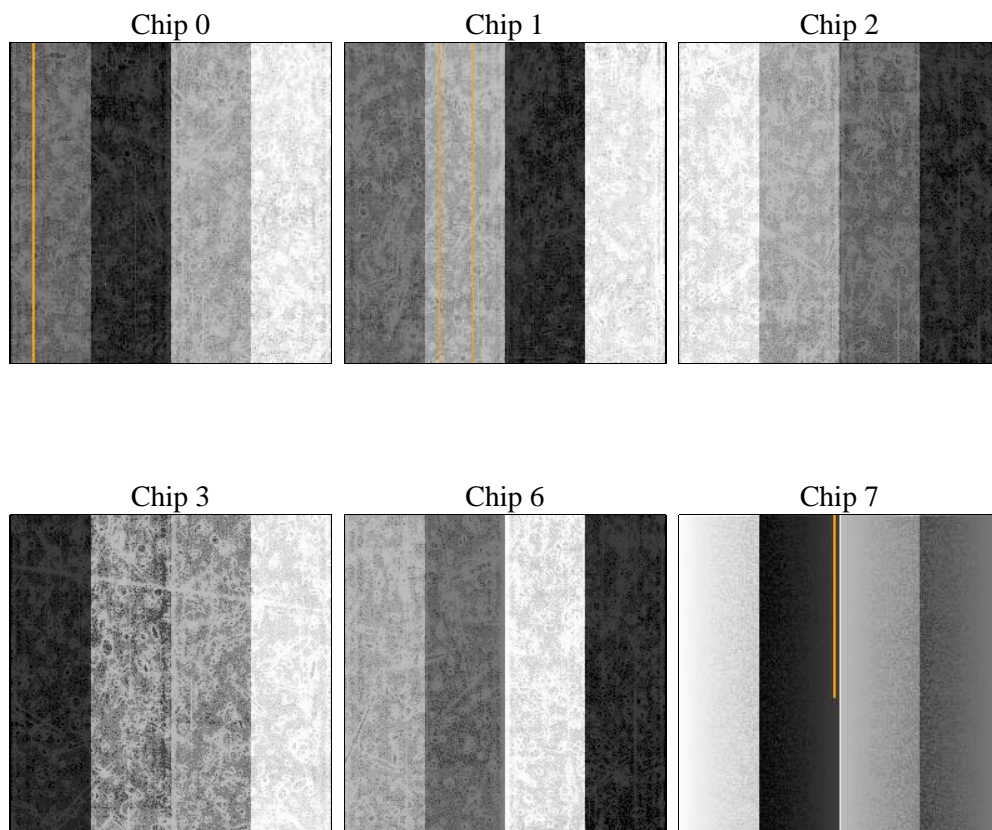
## 2 OBI

### 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	8261.4574822187	Sum of GTIs [s]
caldsver	4.6.3	&#160	ontime0	8154.4622814655	Sum of GTIs [s]
date	2014-10-22T11:33:00	Date and time of file creation	ontime1	8151.1800422072	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8147.8979622126	Sum of GTIs [s]
			ontime3	8148.0623412132	Sum of GTIs [s]
			ontime6	8164.0622715354	Sum of GTIs [s]
			ontime7	8261.4574822187	Sum of GTIs [s]
			l1events	873678	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	147715	158741	153028	143148	149001	122045	grade 0 events	12050	11613	12511	12519	12285	6748
rejected events	123265	134281	128534	118417	123524	69803		8%	7%	8%	8%	8%	5%
rejected %	83%	84%	83%	82%	82%	57%	grade 1 events	69	72	65	84	74	91
								0%	0%	0%	0%	0%	0%
							grade 2 events	5015	5403	4869	4867	5320	12730
								3%	3%	3%	3%	3%	10%
							grade 3 events	1747	1682	1687	1769	1642	4134
								1%	1%	1%	1%	1%	3%
							grade 4 events	1630	1722	1665	1803	1696	4169
								1%	1%	1%	1%	1%	3%
							grade 5 events	2921	2885	2786	3155	2998	7562
								1%	1%	1%	2%	2%	6%
							grade 6 events	4090	4137	3847	3853	4626	24644
								2%	2%	2%	2%	3%	20%
							grade 7 events	120193	131227	125598	115098	120360	61967
								81%	82%	82%	80%	80%	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	163.3005141151921	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	16.51517572872903	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	60.24153198760488	[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)	530318883.697628	530318882.67263			
Observation start date	2014-10-21T22:48:04	2014-10-21T22:48:02			
[s] Observation end time (MET)	530331212.398313	530331211.37331			
Observation end date	2014-10-22T02:13:32	2014-10-22T02:13:31			
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)	2014.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2614574822187

### **A.2 Comments**