

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55677 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 3 2012

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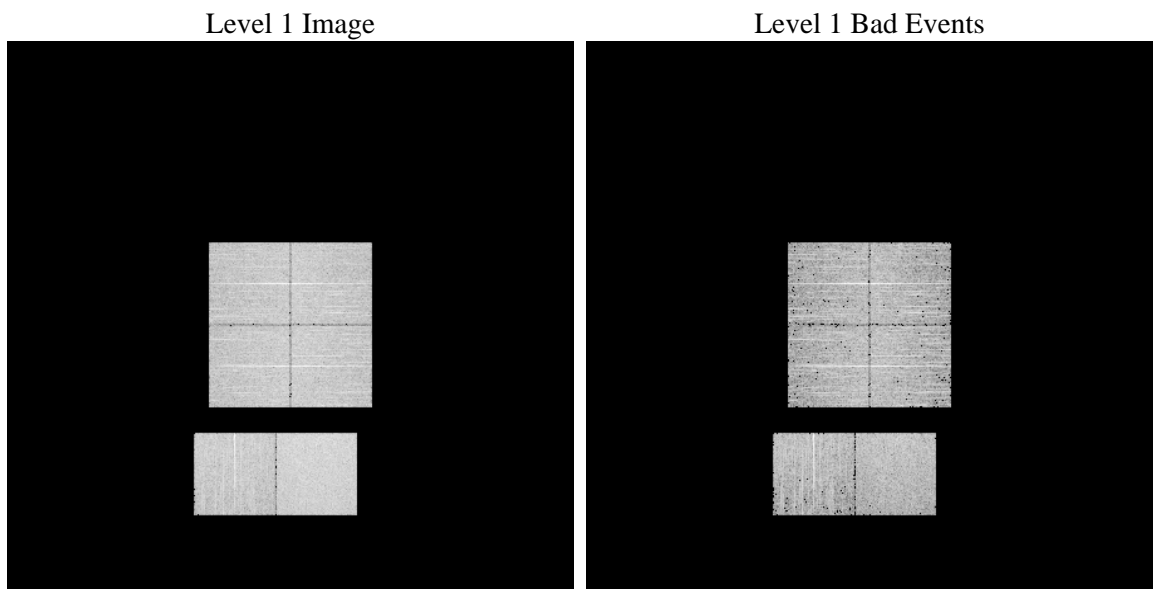
# 1 Front

seq_num	&#160	Sequence number
obs_id	55677	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	355.9972415923	Nominal RA [deg]
dec_nom	-56.028692814593	Nominal Dec [deg]
roll_nom	234.08147188785	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4901.2269310355	Sum of GTIs [s]
livetime	4839.1646444702	Livetime [s]
ontime0	4901.1858910322	Sum of GTIs [s]
ontime1	4901.1448510289	Sum of GTIs [s]
ontime2	4901.1038110256	Sum of GTIs [s]
ontime3	4901.2679710388	Sum of GTIs [s]
ontime6	4901.0627710223	Sum of GTIs [s]
ontime7	4901.2269310355	Sum of GTIs [s]
l2events	201689	Number of level 2 events

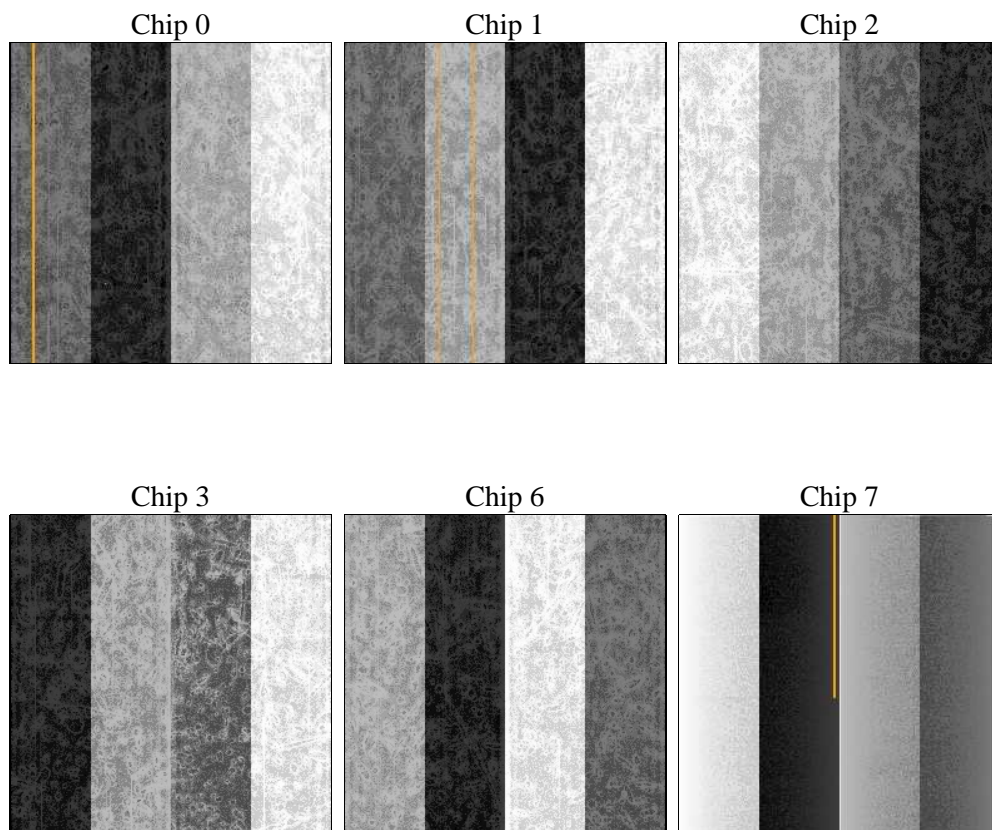
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	4901.2269310355	Sum of GTIs [s]
caldbver	4.4.7	&#160	ontime0	4901.1858910322	Sum of GTIs [s]
date	2012-02-03T16:21:00	Date and time of file creation	ontime1	4901.1448510289	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4901.1038110256	Sum of GTIs [s]
			ontime3	4901.2679710388	Sum of GTIs [s]
			ontime6	4901.0627710223	Sum of GTIs [s]
			ontime7	4901.2269310355	Sum of GTIs [s]
			l1events	430662	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	65528	67325	68027	70625	70163	88994	grade 0 events	16645	16446	17378	17336	17102	8782
rejected events	33707	35123	35865	38380	36910	37458		25%	24%	25%	24%	24%	9%
rejected %	51%	52%	52%	54%	52%	42%	grade 1 events	100	95	111	135	94	68
								0%	0%	0%	0%	0%	0%
							grade 2 events	5944	6270	5664	5563	6094	11086
								9%	9%	8%	7%	8%	12%
							grade 3 events	2230	2203	2244	2295	2276	4756
								3%	3%	3%	3%	3%	5%
							grade 4 events	2128	2230	2215	2231	2109	4725
								3%	3%	3%	3%	3%	5%
							grade 5 events	2256	2161	2025	2401	2242	5896
								3%	3%	2%	3%	3%	6%
							grade 6 events	4904	5077	4686	4846	5697	22238
								7%	7%	6%	6%	8%	24%
							grade 7 events	31321	32843	33704	35818	34549	31443
								47%	48%	49%	50%	49%	35%

## 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	355.9972415922967	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-56.0286928145929	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	234.0814718878516	[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)	413069055.206991	413069054.18199			
Observation start date	2011-02-02T21:24:15	2011-02-02T21:24:14			
[s] Observation end time (MET)	413075662.357333	413075661.33233			
Observation end date	2011-02-02T23:14:22	2011-02-02T23:14:21			
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)	2012.02.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9012269310355

### A.2 Comments