

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56226 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 26 2012

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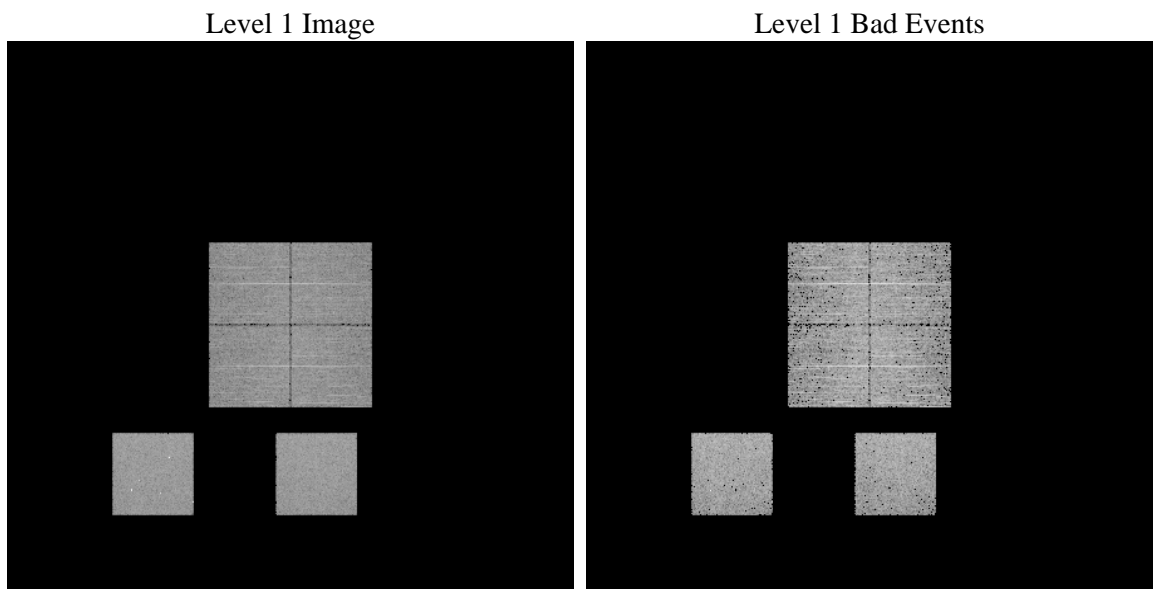
# 1 Front

seq_num	&#160	Sequence number
obs_id	56226	Observation id
title	ACIS-012357 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	252.63363996251	Nominal RA [deg]
dec_nom	-48.481829941825	Nominal Dec [deg]
roll_nom	6.2372020166566	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3281.9568114281	Sum of GTIs [s]
livetime	3240.3986981246	Livetime [s]
ontime0	3281.9157714248	Sum of GTIs [s]
ontime1	3281.8747314215	Sum of GTIs [s]
ontime2	3281.8336914182	Sum of GTIs [s]
ontime3	3278.7568511367	Sum of GTIs [s]
ontime5	3281.7926514149	Sum of GTIs [s]
ontime7	3281.9568114281	Sum of GTIs [s]
l2events	169312	Number of level 2 events

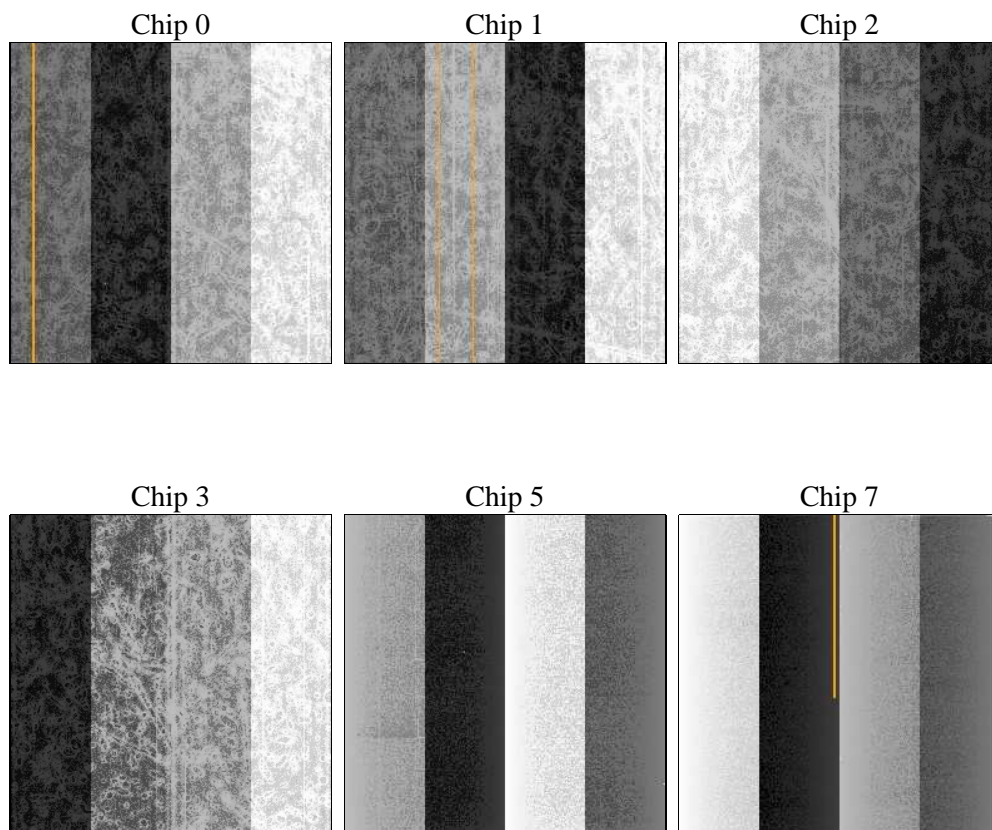
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3281.9568114281	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	3281.9157714248	Sum of GTIs [s]
date	2012-06-26T16:49:37	Date and time of file creation	ontime1	3281.8747314215	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3281.8336914182	Sum of GTIs [s]
			ontime3	3278.7568511367	Sum of GTIs [s]
			ontime5	3281.7926514149	Sum of GTIs [s]
			ontime7	3281.9568114281	Sum of GTIs [s]
			l1events	333768	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	50204	49315	50484	51824	67117	64824	grade 0 events	13175	13000	13402	13658	6049	6947
rejected events	25327	24250	25805	26632	26820	25801		26%	26%	26%	26%	9%	10%
rejected %	50%	49%	51%	51%	39%	39%	grade 1 events	88	77	114	116	127	62
								0%	0%	0%	0%	0%	0%
							grade 2 events	4606	4827	4226	4494	14062	8500
								9%	9%	8%	8%	20%	13%
							grade 3 events	1689	1613	1748	1757	1773	3580
								3%	3%	3%	3%	2%	5%
							grade 4 events	1665	1662	1720	1682	1721	3504
								3%	3%	3%	3%	2%	5%
							grade 5 events	1573	1558	1484	1673	3642	4193
								3%	3%	2%	3%	5%	6%
							grade 6 events	3742	3963	3583	3601	16692	16492
								7%	8%	7%	6%	24%	25%
							grade 7 events	23666	22615	24207	24843	23051	21546
								47%	45%	47%	47%	34%	33%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	252.633639962508	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-48.48182994182517	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	6.237202016656552	[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)	391822353.915692	391822352.89069			
Observation start date	2010-06-01T23:32:34	2010-06-01T23:32:32			
[s] Observation end time (MET)	391828122.615987	391828121.59098			
Observation end date	2010-06-02T01:08:43	2010-06-02T01:08:41			
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)	2012.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2819568114281

### A.2 Comments