

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56296 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 24 2012

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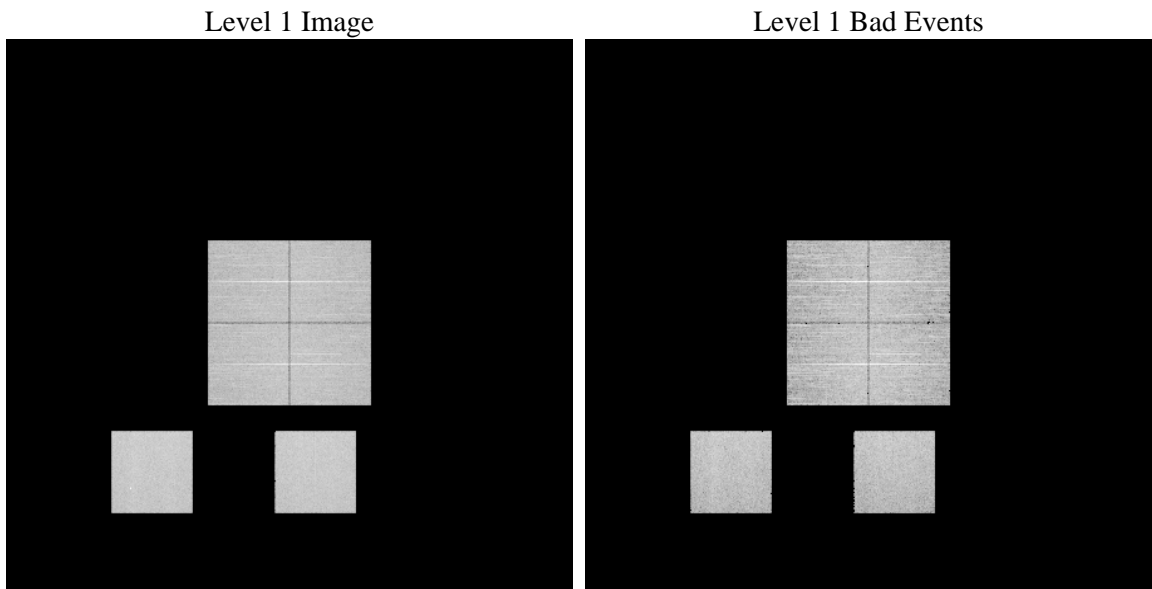
# 1 Front

seq_num	&#160	Sequence number
obs_id	56296	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	217.0247526012	Nominal RA [deg]
dec_nom	-38.779256532316	Nominal Dec [deg]
roll_nom	7.9317148450567	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8460.6766681075	Sum of GTIs [s]
livetime	8353.5424857281	Livetime [s]
ontime0	8460.6356281042	Sum of GTIs [s]
ontime1	8460.5945881009	Sum of GTIs [s]
ontime2	8460.5535480976	Sum of GTIs [s]
ontime3	8460.7177081108	Sum of GTIs [s]
ontime5	8460.5125080943	Sum of GTIs [s]
ontime7	8460.6766681075	Sum of GTIs [s]
l2events	437833	Number of level 2 events

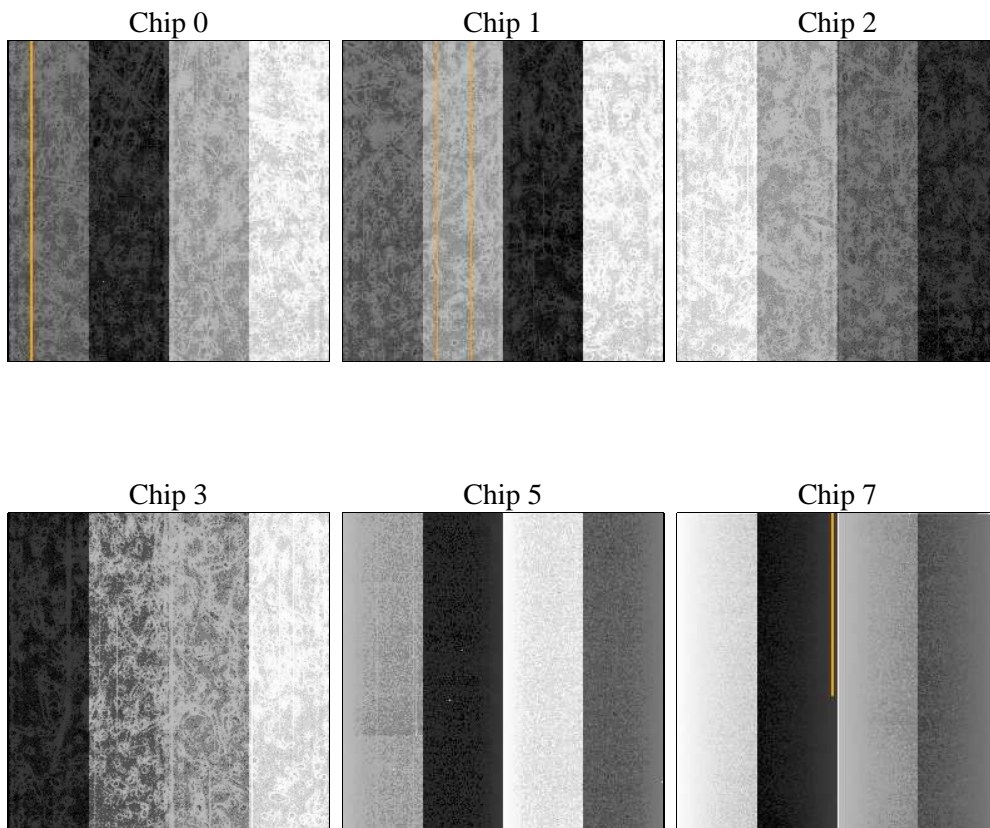
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	8460.6766681075	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	8460.6356281042	Sum of GTIs [s]
date	2012-06-24T22:20:44	Date and time of file creation	ontime1	8460.5945881009	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8460.5535480976	Sum of GTIs [s]
			ontime3	8460.7177081108	Sum of GTIs [s]
			ontime5	8460.5125080943	Sum of GTIs [s]
			ontime7	8460.6766681075	Sum of GTIs [s]
			l1events	872985	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	130647	131892	134325	137715	170100	168306	grade 0 events	34588	33099	34835	35768	11062	17332
rejected events	65500	67365	70056	72299	70554	68178		26%	25%	25%	25%	6%	10%
rejected %	50%	51%	52%	52%	41%	40%	grade 1 events	235	177	273	244	234	127
								0%	0%	0%	0%	0%	0%
							grade 2 events	11837	12684	11052	11199	37177	21669
								9%	9%	8%	8%	21%	12%
							grade 3 events	4452	4149	4353	4324	3941	8748
								3%	3%	3%	3%	2%	5%
							grade 4 events	4298	4267	4487	4541	3702	8737
								3%	3%	3%	3%	2%	5%
							grade 5 events	3986	3839	3820	4295	8341	10485
								3%	2%	2%	3%	4%	6%
							grade 6 events	9992	10353	9563	9584	43702	43670
								7%	7%	7%	6%	25%	25%
							grade 7 events	61259	63324	65942	67760	61941	57538
								46%	48%	49%	49%	36%	34%

## 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	217.0247526011978	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-38.77925653231637	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	7.931714845056701	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	388655755.654557	388655754.62953			
Observation start date	2010-04-26T07:55:56	2010-04-26T07:55:54			
[s] Observation end time (MET)	388667846.555173	388667845.53015			
Observation end date	2010-04-26T11:17:27	2010-04-26T11:17:25			
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)	2012.07.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4606766681075

### A.2 Comments