

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56610 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 18 2012

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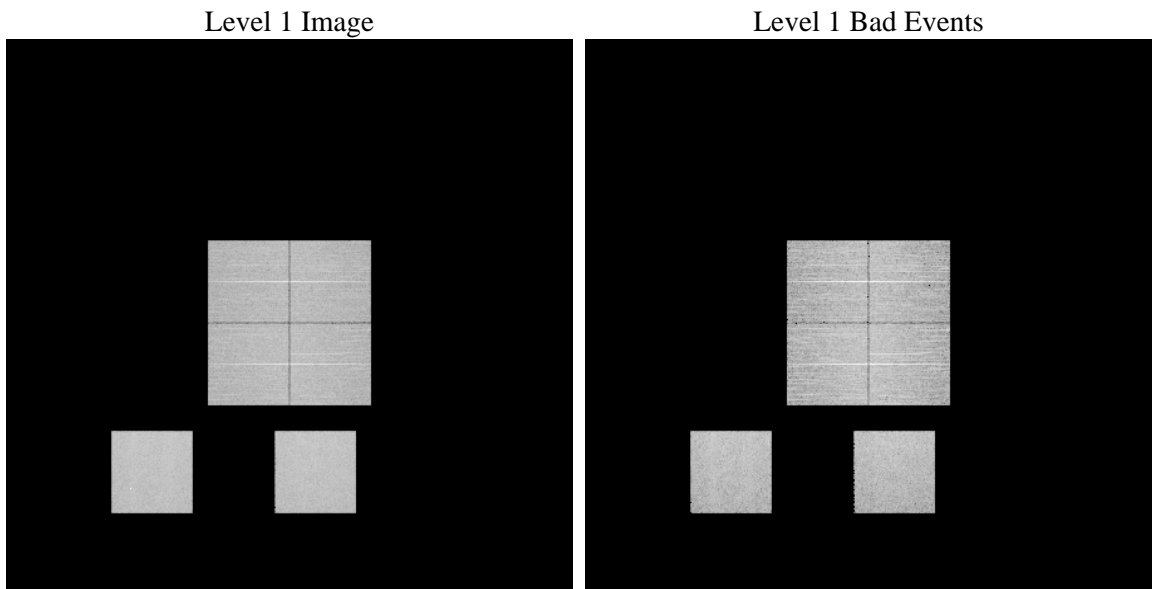
# 1 Front

seq_num	&#160	Sequence number
obs_id	56610	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	79.020272647093	Nominal RA [deg]
dec_nom	-0.97968685966546	Nominal Dec [deg]
roll_nom	11.874904680021	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7215.9999731779	Sum of GTIs [s]
livetime	7124.626636564	Livetime [s]
ontime0	7215.9999731779	Sum of GTIs [s]
ontime1	7215.9999731779	Sum of GTIs [s]
ontime2	7215.9999731779	Sum of GTIs [s]
ontime3	7215.9999731779	Sum of GTIs [s]
ontime5	7215.9999731779	Sum of GTIs [s]
ontime7	7215.9999731779	Sum of GTIs [s]
l2events	413743	Number of level 2 events

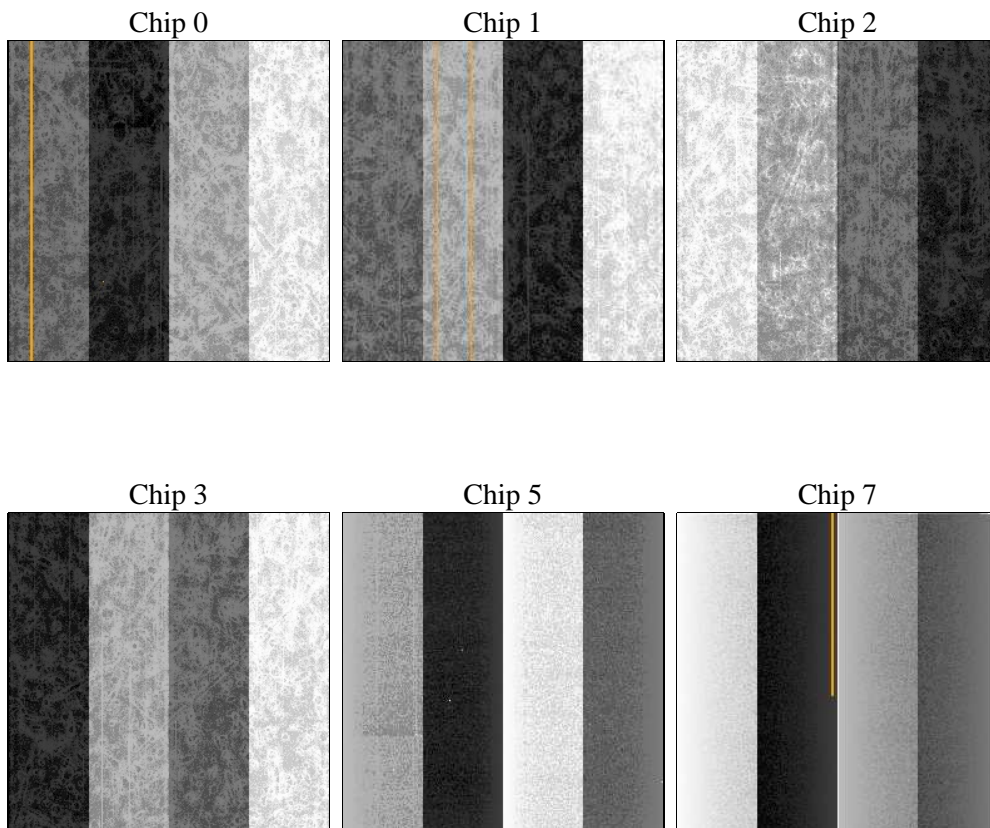
## 2 OBI

### 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	7215.9999731779	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	7215.9999731779	Sum of GTIs [s]
date	2012-06-17T18:25:41	Date and time of file creation	ontime1	7215.9999731779	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7215.9999731779	Sum of GTIs [s]
			ontime3	7215.9999731779	Sum of GTIs [s]
			ontime5	7215.9999731779	Sum of GTIs [s]
			ontime7	7215.9999731779	Sum of GTIs [s]
			l1events	832908	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	123928	125107	130936	132383	161678	158876	grade 0 events	31858	31253	33261	33234	10829	16479
rejected events	63289	64377	69845	71310	66582	63631		25%	24%	25%	25%	6%	10%
rejected %	51%	51%	53%	53%	41%	40%	grade 1 events	249	181	282	275	217	155
								0%	0%	0%	0%	0%	0%
							grade 2 events	11349	11754	10621	10660	34850	20676
								9%	9%	8%	8%	21%	13%
							grade 3 events	4100	4036	4123	4174	4040	8620
								3%	3%	3%	3%	2%	5%
							grade 4 events	3988	4073	4204	4208	3602	8552
								3%	3%	3%	3%	2%	5%
							grade 5 events	3594	3622	3416	3995	8293	10019
								2%	2%	2%	3%	5%	6%
							grade 6 events	9344	9614	8882	8797	41775	40918
								7%	7%	6%	6%	25%	25%
							grade 7 events	59446	60574	66147	67040	58072	53457
								47%	48%	50%	50%	35%	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	79.02027264709335	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-0.9796868596654627	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	11.87490468002148	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	376548582.140959	376548581.11595			
Observation start date	2009-12-07T04:49:42	2009-12-07T04:49:41			
[s] Observation end time (MET)	376556499.241358	376556498.21635			
Observation end date	2009-12-07T07:01:39	2009-12-07T07:01:38			
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)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.2159999731779

### A.2 Comments