

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56624 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 17 2012

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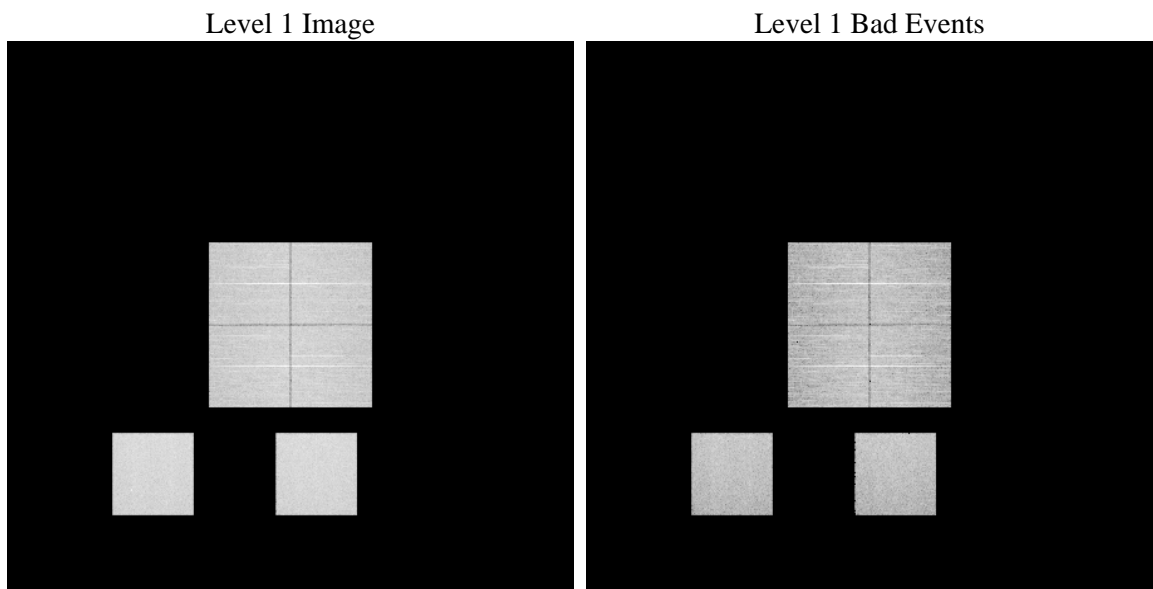
# 1 Front

seq_num	&#160	Sequence number
obs_id	56624	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycle	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	43.000083296096	Nominal RA [deg]
dec_nom	39.9713449967	Nominal Dec [deg]
roll_nom	237.16390528505	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8168.2454288006	Sum of GTIs [s]
livetime	8064.8141868542	Livetime [s]
ontime0	8168.2043887973	Sum of GTIs [s]
ontime1	8168.163348794	Sum of GTIs [s]
ontime2	8168.1223087907	Sum of GTIs [s]
ontime3	8165.0454784632	Sum of GTIs [s]
ontime5	8168.0812687874	Sum of GTIs [s]
ontime7	8168.2454288006	Sum of GTIs [s]
l2events	471497	Number of level 2 events

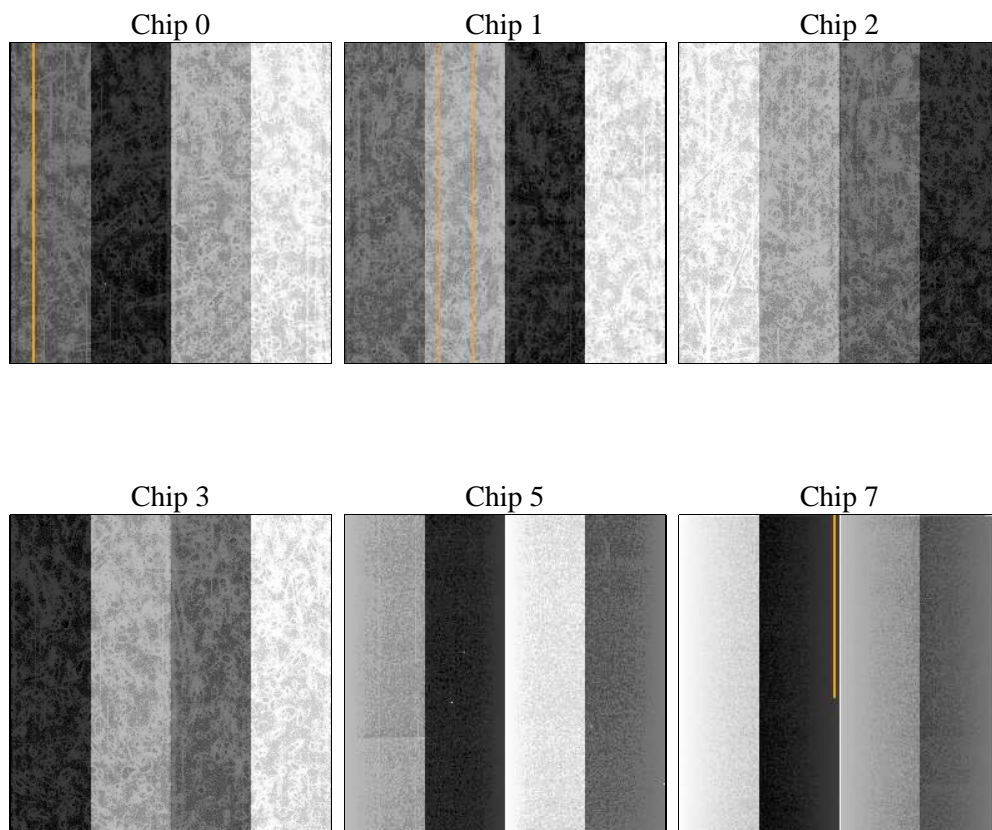
## 2 OBI

### 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	8168.2454288006	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	8168.2043887973	Sum of GTIs [s]
date	2012-06-17T17:03:11	Date and time of file creation	ontime1	8168.163348794	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8168.1223087907	Sum of GTIs [s]
			ontime3	8165.0454784632	Sum of GTIs [s]
			ontime5	8168.0812687874	Sum of GTIs [s]
			ontime7	8168.2454288006	Sum of GTIs [s]
			l1events	951259	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	143454	142489	147314	150343	184196	183463	grade 0 events	37269	36446	37868	38525	13547	19566
rejected events	74216	73025	78266	80151	76715	74540		25%	25%	25%	25%	7%	10%
rejected %	51%	51%	53%	53%	41%	40%	grade 1 events	285	233	343	282	208	157
								0%	0%	0%	0%	0%	0%
							grade 2 events	12694	13418	12146	12657	39272	23940
								8%	9%	8%	8%	21%	13%
							grade 3 events	4847	4779	4684	4841	4731	9985
								3%	3%	3%	3%	2%	5%
							grade 4 events	4762	4692	4926	4909	4478	9901
								3%	3%	3%	3%	2%	5%
							grade 5 events	4223	4324	4095	4728	9710	11696
								2%	3%	2%	3%	5%	6%
							grade 6 events	10593	11061	10298	10204	46898	47019
								7%	7%	6%	6%	25%	25%
							grade 7 events	68781	67536	72954	74197	65352	61199
								47%	47%	49%	49%	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	43.00008329609635	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	39.97134499670009	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	237.1639052850502	[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)	376092658.017958	376092656.99296			
Observation start date	2009-12-01T22:10:58	2009-12-01T22:10:56			
[s] Observation end time (MET)	376102192.568439	376102191.54344			
Observation end date	2009-12-02T00:49:53	2009-12-02T00:49:51			
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)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1682454288006

### **A.2 Comments**