

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56168 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 28 2012

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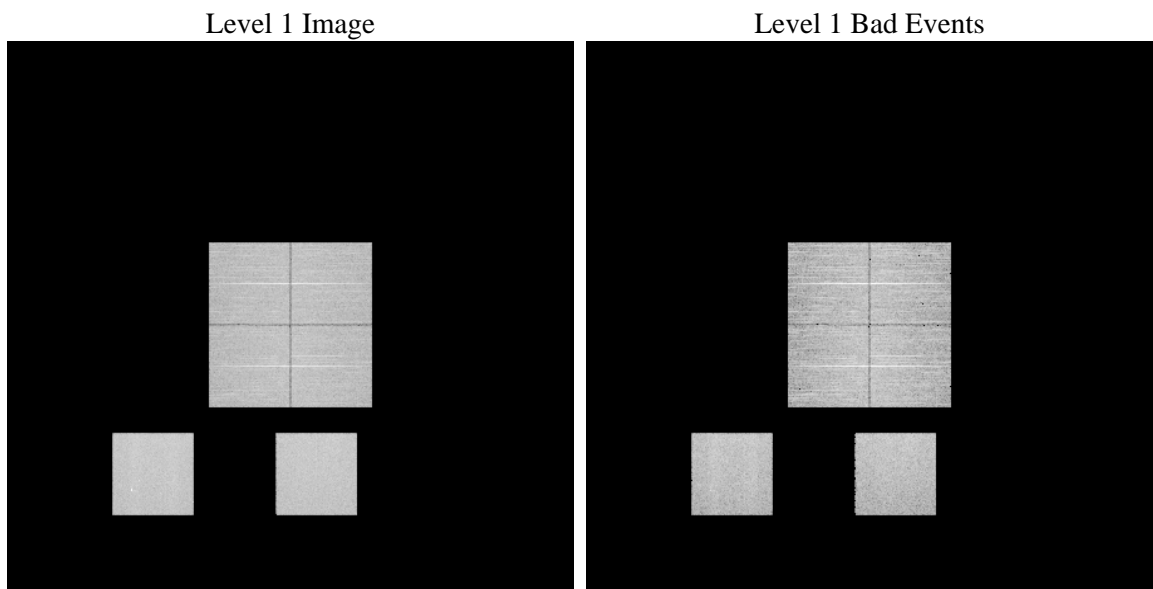
# 1 Front

seq_num	&#160	Sequence number
obs_id	56168	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	292.47225302447	Nominal RA [deg]
dec_nom	-8.4913556425527	Nominal Dec [deg]
roll_nom	129.618780319	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8275.1848117709	Sum of GTIs [s]
livetime	8170.3994389662	Livetime [s]
ontime0	8275.1437717676	Sum of GTIs [s]
ontime1	8275.1027317643	Sum of GTIs [s]
ontime2	8275.061691761	Sum of GTIs [s]
ontime3	8275.1999692321	Sum of GTIs [s]
ontime5	8275.0206517577	Sum of GTIs [s]
ontime7	8275.1848117709	Sum of GTIs [s]
l2events	414726	Number of level 2 events

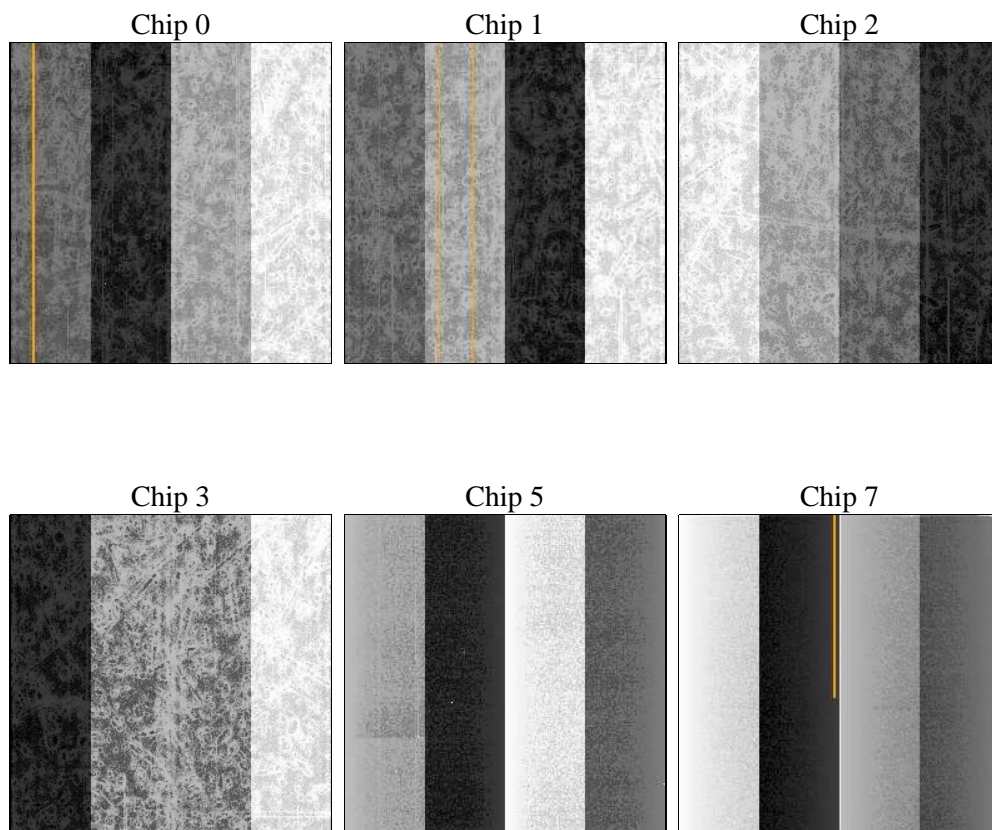
## 2 OBI

### 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	8275.1848117709	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime0	8275.1437717676	Sum of GTIs [s]
date	2012-06-29T00:30:27	Date and time of file creation	ontime1	8275.1027317643	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8275.061691761	Sum of GTIs [s]
			ontime3	8275.1999692321	Sum of GTIs [s]
			ontime5	8275.0206517577	Sum of GTIs [s]
			ontime7	8275.1848117709	Sum of GTIs [s]
			l1events	838193	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	125426	127083	128446	131026	165502	160710	grade 0 events	31810	30796	33363	33476	9829	15952
rejected events	64476	65635	67680	69725	69471	65984		25%	24%	25%	25%	5%	9%
rejected %	51%	51%	52%	53%	41%	41%	grade 1 events	202	184	249	270	218	96
								0%	0%	0%	0%	0%	0%
							grade 2 events	11436	12856	10258	10561	36352	21133
								9%	10%	7%	8%	21%	13%
							grade 3 events	4157	3968	4137	4188	3402	8186
								3%	3%	3%	3%	2%	5%
							grade 4 events	3971	3976	4098	4143	3319	7897
								3%	3%	3%	3%	2%	4%
							grade 5 events	3604	3691	3572	4083	7717	9851
								2%	2%	2%	3%	4%	6%
							grade 6 events	9602	9871	8937	8950	43160	41591
								7%	7%	6%	6%	26%	25%
							grade 7 events	60644	61741	63832	65355	61505	56004
								48%	48%	49%	49%	37%	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	292.4722530244747	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-8.491355642552724	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	129.6187803190005	[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)	393678807.360372	393678806.33537			
Observation start date	2010-06-23T11:13:27	2010-06-23T11:13:26			
[s] Observation end time (MET)	393691136.061002	393691135.03599			
Observation end date	2010-06-23T14:38:56	2010-06-23T14:38:55			
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)	2012.07.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751848117709

### **A.2 Comments**