

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56044 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jul 2 2012

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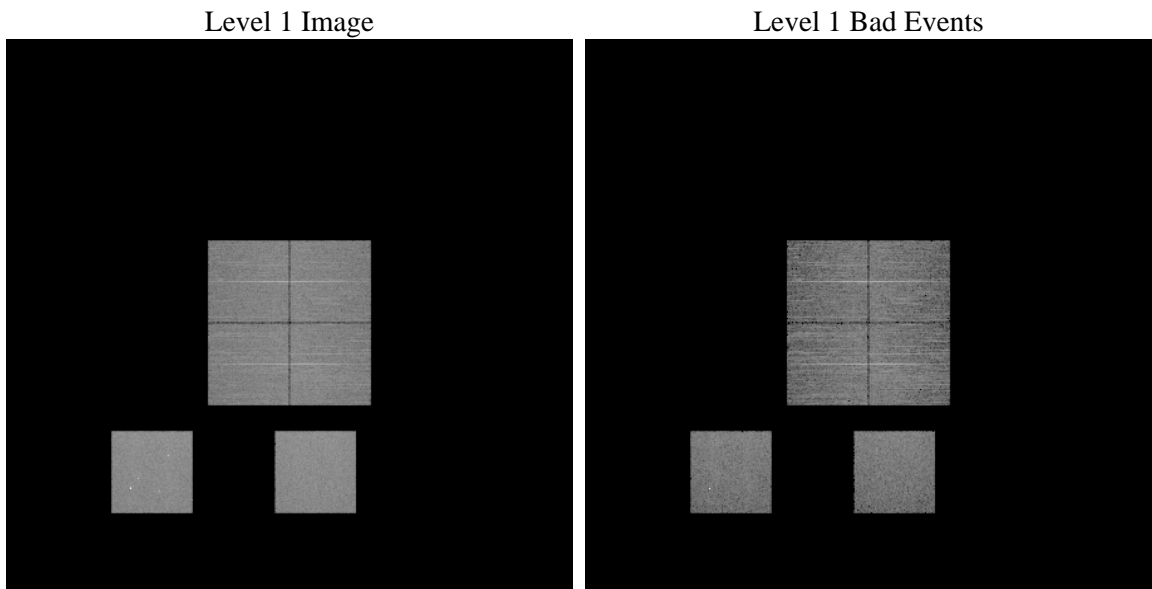
# 1 Front

seq_num	&#160	Sequence number
obs_id	56044	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	359.00884371057	Nominal RA [deg]
dec_nom	-28.472337728253	Nominal Dec [deg]
roll_nom	41.54957880764	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6771.1999748349	Sum of GTIs [s]
livetime	6685.4589636264	Livetime [s]
ontime0	6771.1999748349	Sum of GTIs [s]
ontime1	6771.1999748349	Sum of GTIs [s]
ontime2	6771.1999748349	Sum of GTIs [s]
ontime3	6771.1999748349	Sum of GTIs [s]
ontime5	6771.1999748349	Sum of GTIs [s]
ontime7	6771.1999748349	Sum of GTIs [s]
l2events	331230	Number of level 2 events

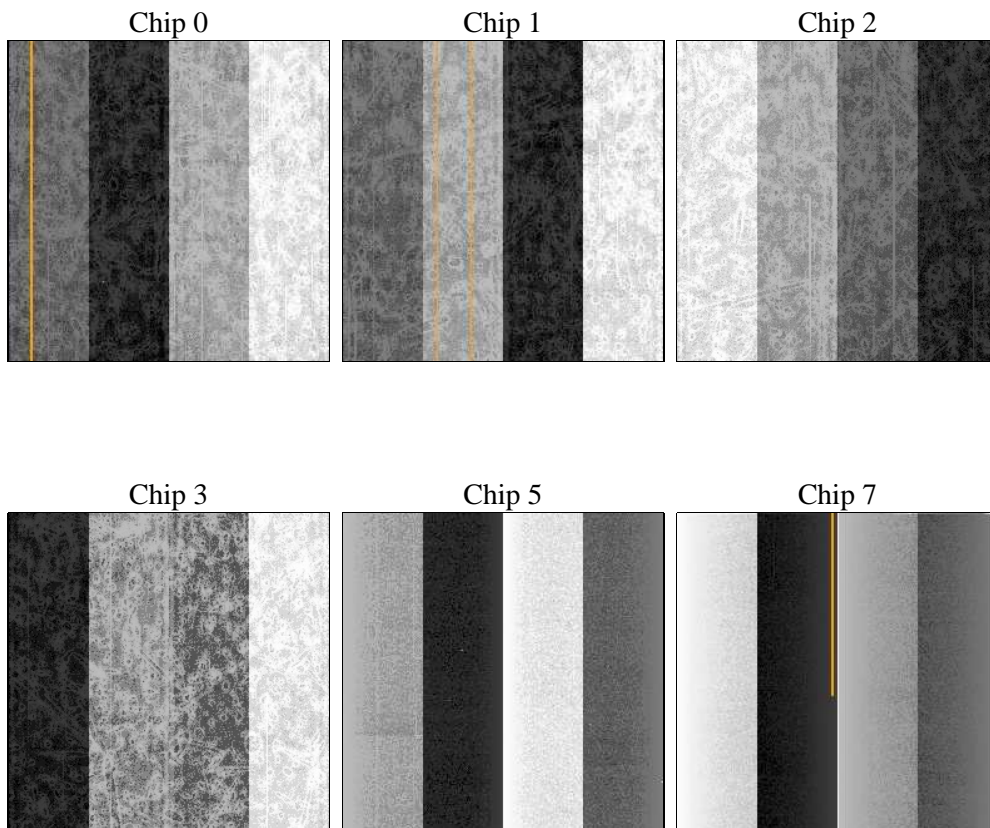
## 2 OBI

### 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	6771.1999748349	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime0	6771.1999748349	Sum of GTIs [s]
date	2012-07-02T19:09:38	Date and time of file creation	ontime1	6771.1999748349	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	6771.1999748349	Sum of GTIs [s]
			ontime3	6771.1999748349	Sum of GTIs [s]
			ontime5	6771.1999748349	Sum of GTIs [s]
			ontime7	6771.1999748349	Sum of GTIs [s]
			l1events	668091	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	97207	99353	101696	106090	133783	129962	grade 0 events	25740	25344	26114	26048	10131	13227
rejected events	48459	50465	53228	57721	56303	53339		26%	25%	25%	24%	7%	10%
rejected %	49%	50%	52%	54%	42%	41%	grade 1 events	167	144	180	190	133	104
								0%	0%	0%	0%	0%	0%
							grade 2 events	8843	9389	8580	8523	28052	16658
								9%	9%	8%	8%	20%	12%
							grade 3 events	3330	3180	3383	3360	3232	6966
								3%	3%	3%	3%	2%	5%
							grade 4 events	3364	3226	3372	3375	3264	7019
								3%	3%	3%	3%	2%	5%
							grade 5 events	3201	3199	2948	3468	7967	8540
								3%	3%	2%	3%	5%	6%
							grade 6 events	7471	7749	7019	7063	32801	32753
								7%	7%	6%	6%	24%	25%
							grade 7 events	45091	47122	50100	54063	48203	44695
								46%	47%	49%	50%	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	359.0088437105742	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-28.47233772825336	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	41.54957880763955	[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)	399848789.025933	399848788.00094			
Observation start date	2010-09-02T21:06:29	2010-09-02T21:06:28			
[s] Observation end time (MET)	399860742.576546	399860741.55155			
Observation end date	2010-09-03T00:25:43	2010-09-03T00:25:41			
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)	2012.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.7711999748349

### **A.2 Comments**