

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 53710 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : May 9 2013

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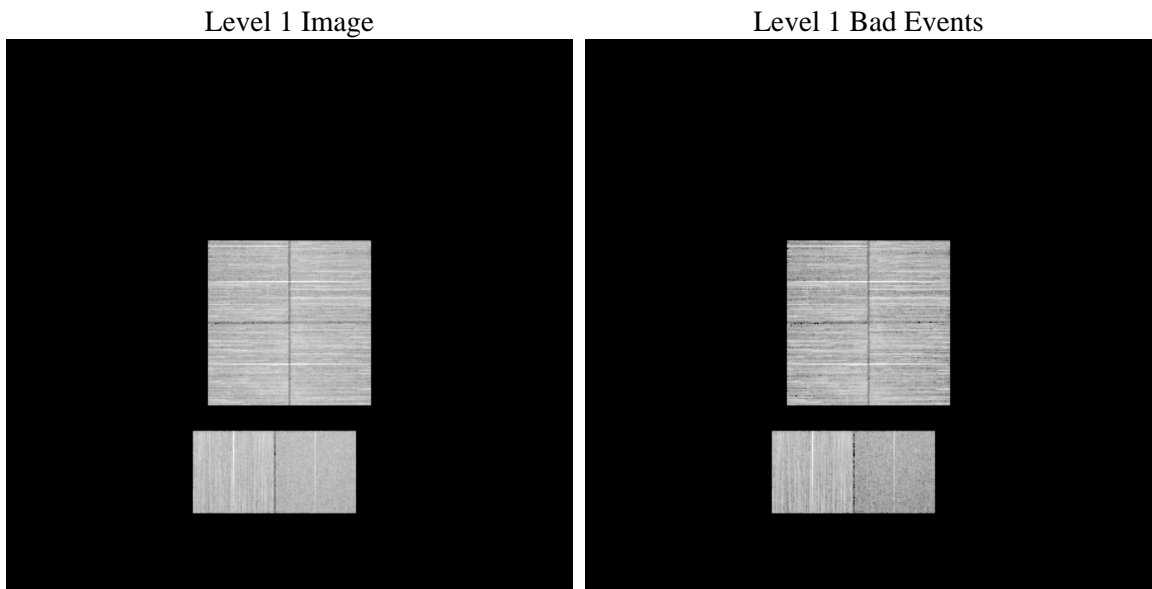
# 1 Front

seq_num	&#160	Sequence number
obs_id	53710	Observation id
title	ACIS-012367 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	200.31968035071	Nominal RA [deg]
dec_nom	-26.514086217324	Nominal Dec [deg]
roll_nom	287.07690288815	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8168.6663962007	Sum of GTIs [s]
livetime	8065.2298237116	Livetime [s]
ontime0	8168.6253561974	Sum of GTIs [s]
ontime1	8168.5843161941	Sum of GTIs [s]
ontime2	8168.5432761908	Sum of GTIs [s]
ontime3	8168.707436204	Sum of GTIs [s]
ontime6	8168.5022361875	Sum of GTIs [s]
ontime7	8168.6663962007	Sum of GTIs [s]
l2events	211539	Number of level 2 events

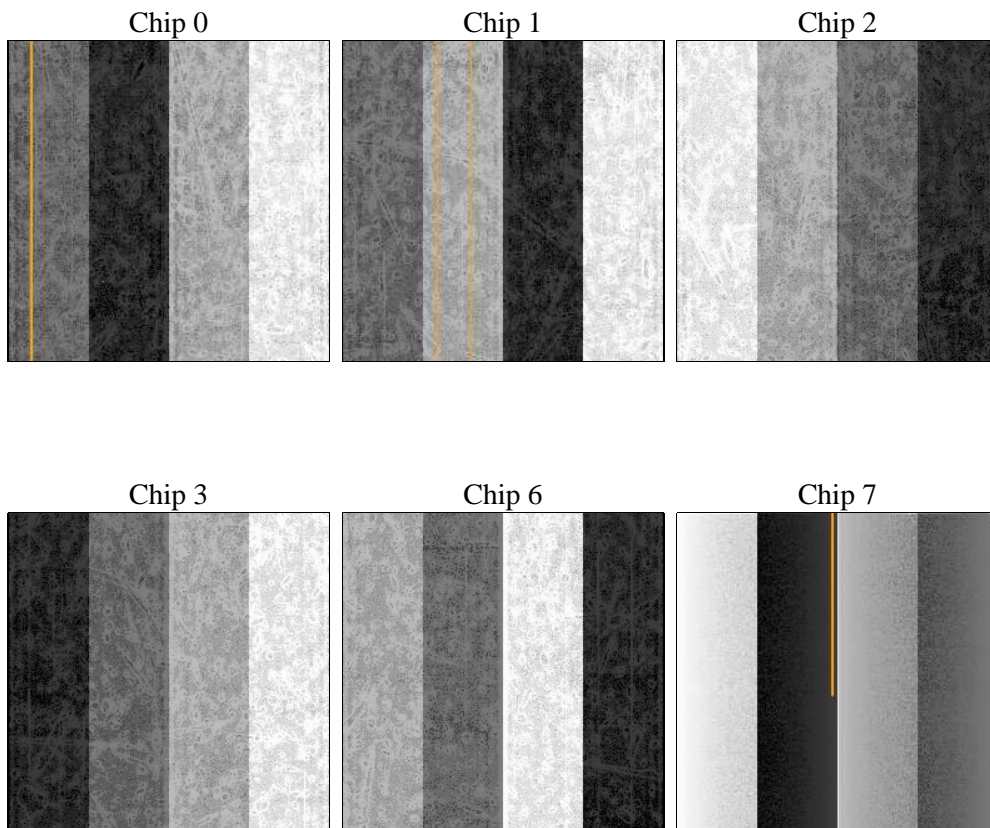
## 2 OBI

### 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	8.5.1.1	Processing system revision	ontime	8168.6663962007	Sum of GTIs [s]
caldsver	4.5.6	&#160	ontime0	8168.6253561974	Sum of GTIs [s]
date	2013-05-09T11:44:25	Date and time of file creation	ontime1	8168.5843161941	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8168.5432761908	Sum of GTIs [s]
			ontime3	8168.707436204	Sum of GTIs [s]
			ontime6	8168.5022361875	Sum of GTIs [s]
			ontime7	8168.6663962007	Sum of GTIs [s]
			l1events	921639	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	147920	156247	161837	158269	167847	129519	grade 0 events	16676	16441	17290	17088	17152	8986
rejected events	115565	123382	128935	125493	133699	70135		11%	10%	10%	10%	10%	6%
rejected %	78%	78%	79%	79%	79%	54%	grade 1 events	87	95	101	97	87	87
								0%	0%	0%	0%	0%	0%
							grade 2 events	6438	6913	6466	6389	6987	14612
								4%	4%	3%	4%	4%	11%
							grade 3 events	2235	2256	2244	2388	2297	5092
								1%	1%	1%	1%	1%	3%
							grade 4 events	2322	2286	2245	2358	2338	4941
								1%	1%	1%	1%	1%	3%
							grade 5 events	2934	2853	2686	3164	3014	7734
								1%	1%	1%	1%	1%	5%
							grade 6 events	5178	5451	5104	5015	5883	26645
								3%	3%	3%	3%	3%	20%
							grade 7 events	112050	119952	125701	121770	130089	61422
								75%	76%	77%	76%	77%	47%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
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	200.3196803507133	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-26.51408621732362	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	287.0769028881541	[s] Primary exposure time	3.2	3.2
SIM focus pos (mm)	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
SIM translation stage pos (mm)	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	484384502.473357	484384502.473357			
Observation start date	2013-05-08T07:15:02	2013-05-08T07:15:02			
[s] Observation end time (MET)	484398725.140428	484398725.140428			
Observation end date	2013-05-08T11:12:05	2013-05-08T11:12:05			
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)	2013.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1686663962007

### **A.2 Comments**