

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55662 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 3 2012

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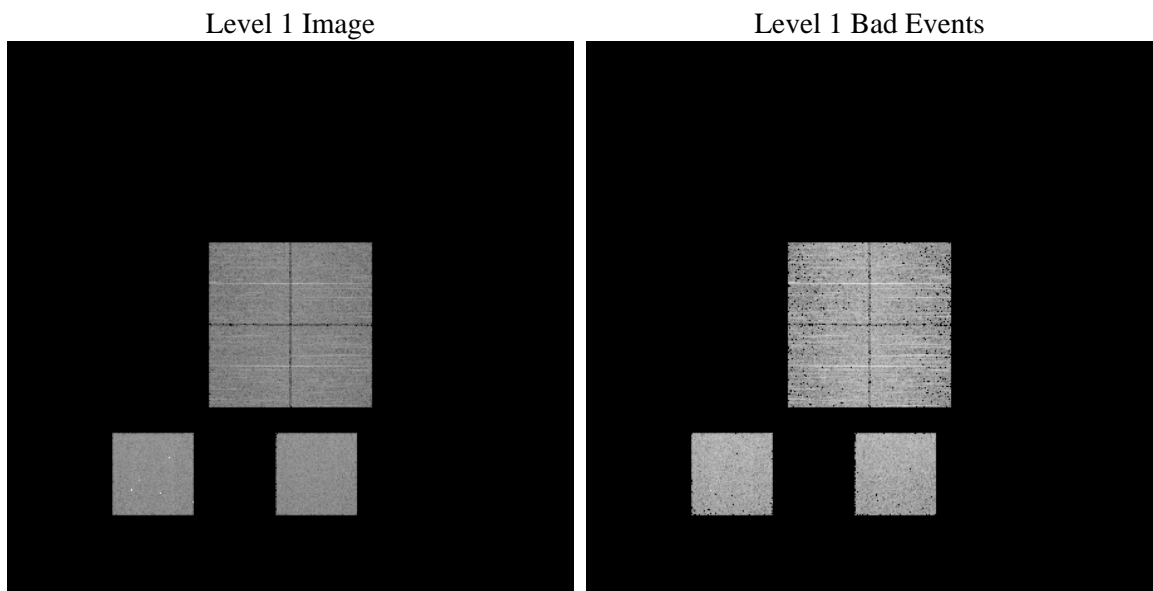
# 1 Front

seq_num	&#160	Sequence number
obs_id	55662	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	143.02349081715	Nominal RA [deg]
dec_nom	-9.9831826418224	Nominal Dec [deg]
roll_nom	3.2017776351111	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3843.1999857426	Sum of GTIs [s]
livetime	3794.5350734259	Livetime [s]
ontime0	3843.1999857426	Sum of GTIs [s]
ontime1	3843.1999857426	Sum of GTIs [s]
ontime2	3843.1999857426	Sum of GTIs [s]
ontime3	3843.1999857426	Sum of GTIs [s]
ontime5	3843.1999857426	Sum of GTIs [s]
ontime7	3843.1999857426	Sum of GTIs [s]
l2events	172664	Number of level 2 events

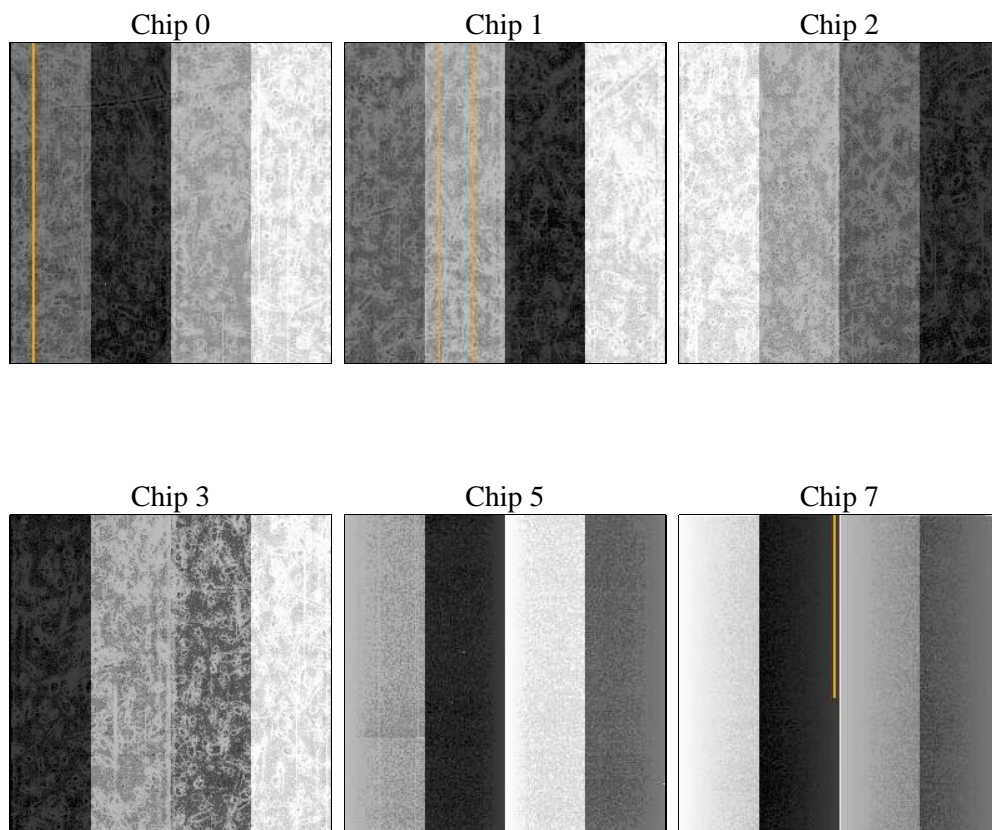
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	3843.1999857426	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime0	3843.1999857426	Sum of GTIs [s]
date	2012-02-03T17:19:13	Date and time of file creation	ontime1	3843.1999857426	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3843.1999857426	Sum of GTIs [s]
			ontime3	3843.1999857426	Sum of GTIs [s]
			ontime5	3843.1999857426	Sum of GTIs [s]
			ontime7	3843.1999857426	Sum of GTIs [s]
			l1events	355749	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	51666	51730	52483	55020	74791	70059	grade 0 events	13092	12766	13322	13463	7383	7040
rejected events	26673	26711	27733	29944	30942	29581		25%	24%	25%	24%	9%	10%
rejected %	51%	51%	52%	54%	41%	42%	grade 1 events	81	97	121	98	159	67
								0%	0%	0%	0%	0%	0%
							grade 2 events	4610	4858	4328	4516	14856	8613
								8%	9%	8%	8%	19%	12%
							grade 3 events	1680	1717	1744	1741	1849	3671
								3%	3%	3%	3%	2%	5%
							grade 4 events	1735	1672	1656	1754	1711	3724
								3%	3%	3%	3%	2%	5%
							grade 5 events	1710	1796	1712	1902	3954	4639
								3%	3%	3%	3%	5%	6%
							grade 6 events	3906	4027	3726	3624	18088	17468
								7%	7%	7%	6%	24%	24%
							grade 7 events	24852	24797	25874	27922	26791	24837
								48%	47%	49%	50%	35%	35%

## 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	143.023490817151	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-9.983182641822388	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	3.2017776351111	[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)	413558720.282339	413558719.25733			
Observation start date	2011-02-08T13:25:20	2011-02-08T13:25:19			
[s] Observation end time (MET)	413564460.282636	413564459.25763			
Observation end date	2011-02-08T15:01:00	2011-02-08T15:00:59			
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)	2012.02.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.8431999857426

### **A.2 Comments**