

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55251 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 19 2012

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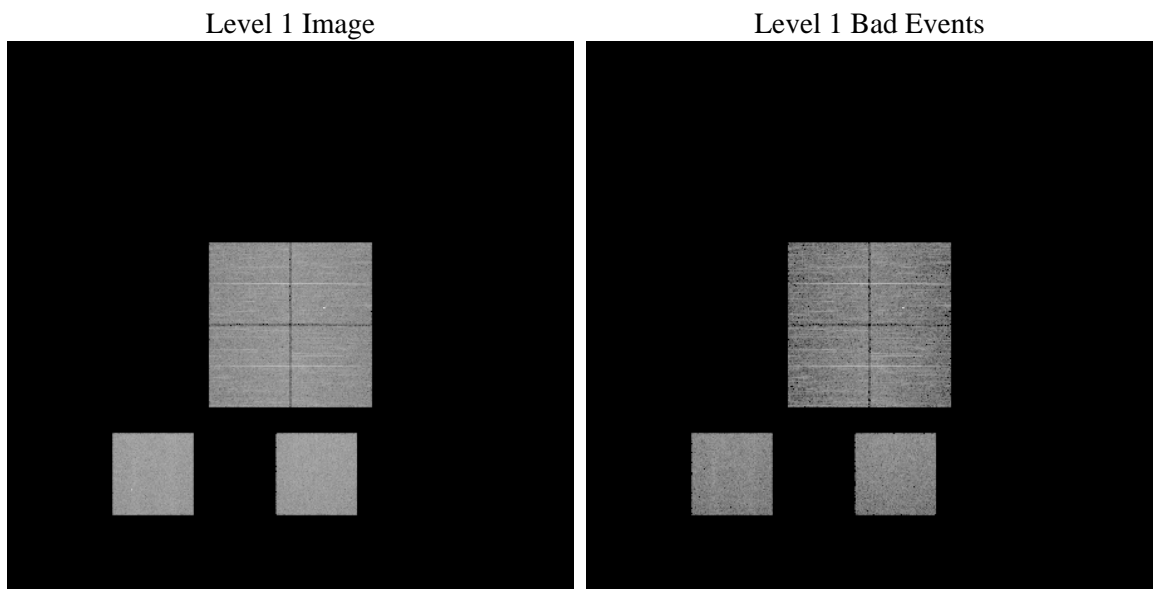
# 1 Front

seq_num	&#160	Sequence number
obs_id	55251	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	285.42223782473	Nominal RA [deg]
dec_nom	-25.920702817125	Nominal Dec [deg]
roll_nom	281.06068520604	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5656.4913604856	Sum of GTIs [s]
livetime	5584.8654609489	Livetime [s]
ontime0	5585.1474404335	Sum of GTIs [s]
ontime1	5578.6243204474	Sum of GTIs [s]
ontime2	5578.5832804441	Sum of GTIs [s]
ontime3	5575.5070380569	Sum of GTIs [s]
ontime5	5656.3272004724	Sum of GTIs [s]
ontime7	5656.4913604856	Sum of GTIs [s]
l2events	220136	Number of level 2 events

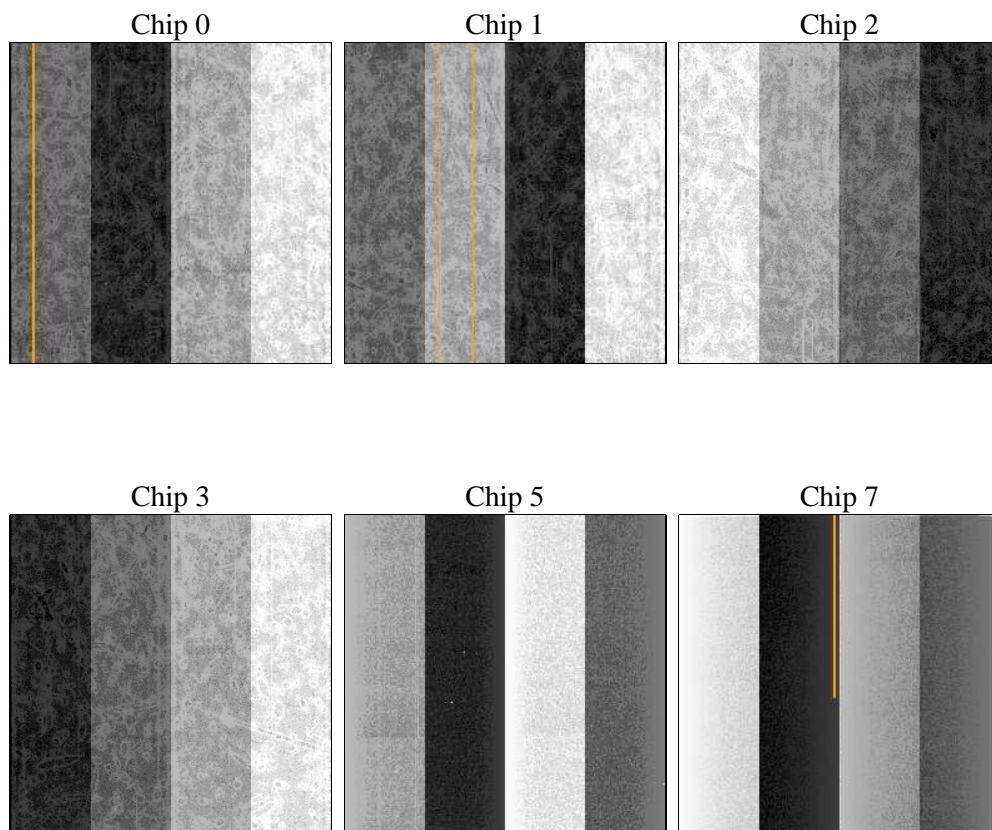
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	5656.4913604856	Sum of GTIs [s]
caldbver	4.4.8	&#160	ontime0	5585.1474404335	Sum of GTIs [s]
date	2012-02-19T12:33:17	Date and time of file creation	ontime1	5578.6243204474	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5578.5832804441	Sum of GTIs [s]
			ontime3	5575.5070380569	Sum of GTIs [s]
			ontime5	5656.3272004724	Sum of GTIs [s]
			ontime7	5656.4913604856	Sum of GTIs [s]
			l1events	474320	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	68977	70550	71561	72320	95790	95122	grade 0 events	17321	16967	18147	18232	5591	8853
rejected events	36998	38419	39549	40248	43622	43545		25%	24%	25%	25%	5%	9%
rejected %	53%	54%	55%	55%	45%	45%	grade 1 events	93	82	115	109	131	82
								0%	0%	0%	0%	0%	0%
							grade 2 events	6259	6796	5637	5701	20345	11804
								9%	9%	7%	7%	21%	12%
							grade 3 events	2119	2101	2340	2381	1884	4591
								3%	2%	3%	3%	1%	4%
							grade 4 events	2289	2180	2292	2223	1820	4623
								3%	3%	3%	3%	1%	4%
							grade 5 events	2288	2305	2223	2572	4807	6226
								3%	3%	3%	3%	5%	6%
							grade 6 events	5350	5360	4927	4898	24691	23875
								7%	7%	6%	6%	25%	25%
							grade 7 events	33258	34759	35880	36204	36521	35068
								48%	49%	50%	50%	38%	36%

## 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	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	285.4222378247288	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-25.92070281712475	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	281.0606852060363	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
[mm] SIM translation stage pos	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	429319504.079238	429319504.079238			
Observation start date	2011-08-09T23:25:04	2011-08-09T23:25:04			
[s] Observation end time (MET)	429329939.801564	429329939.801564			
Observation end date	2011-08-10T02:19:00	2011-08-10T02:18:59			
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)	2012.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.6564913604856

### A.2 Comments