

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55000 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 28 2012

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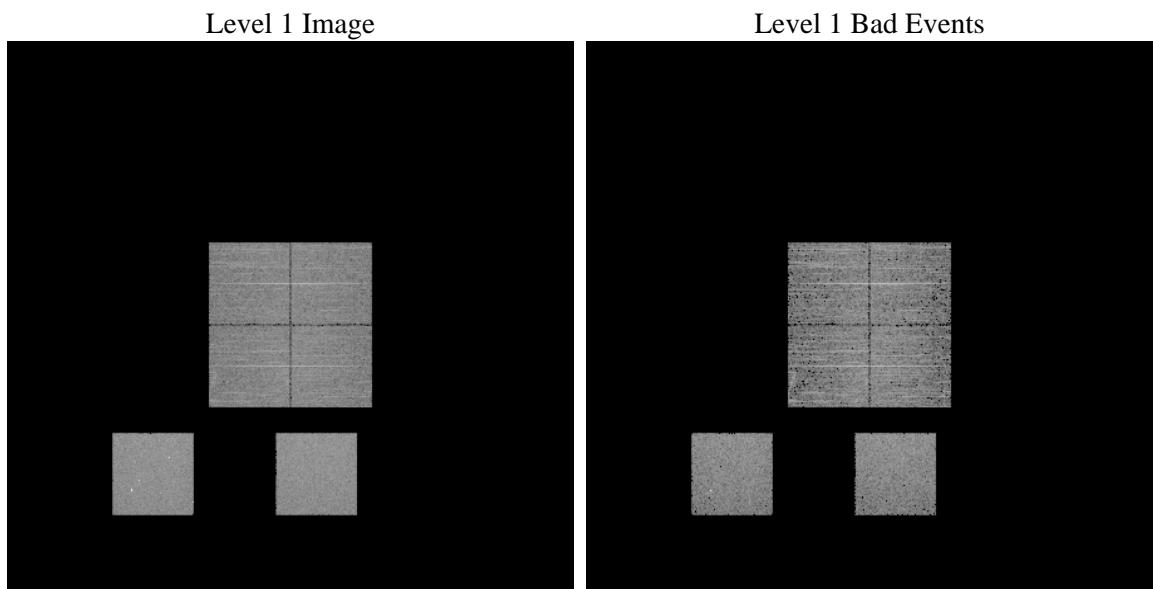
# 1 Front

seq_num	&#160	Sequence number
obs_id	55000	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	100.00194598682	Nominal RA [deg]
dec_nom	9.0286469797059	Nominal Dec [deg]
roll_nom	53.313609236524	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4735.9999824166	Sum of GTIs [s]
livetime	4676.0298989624	Livetime [s]
ontime0	4735.9999824166	Sum of GTIs [s]
ontime1	4735.9999824166	Sum of GTIs [s]
ontime2	4735.9999824166	Sum of GTIs [s]
ontime3	4735.9999824166	Sum of GTIs [s]
ontime5	4735.9999824166	Sum of GTIs [s]
ontime7	4735.9999824166	Sum of GTIs [s]
l2events	186046	Number of level 2 events

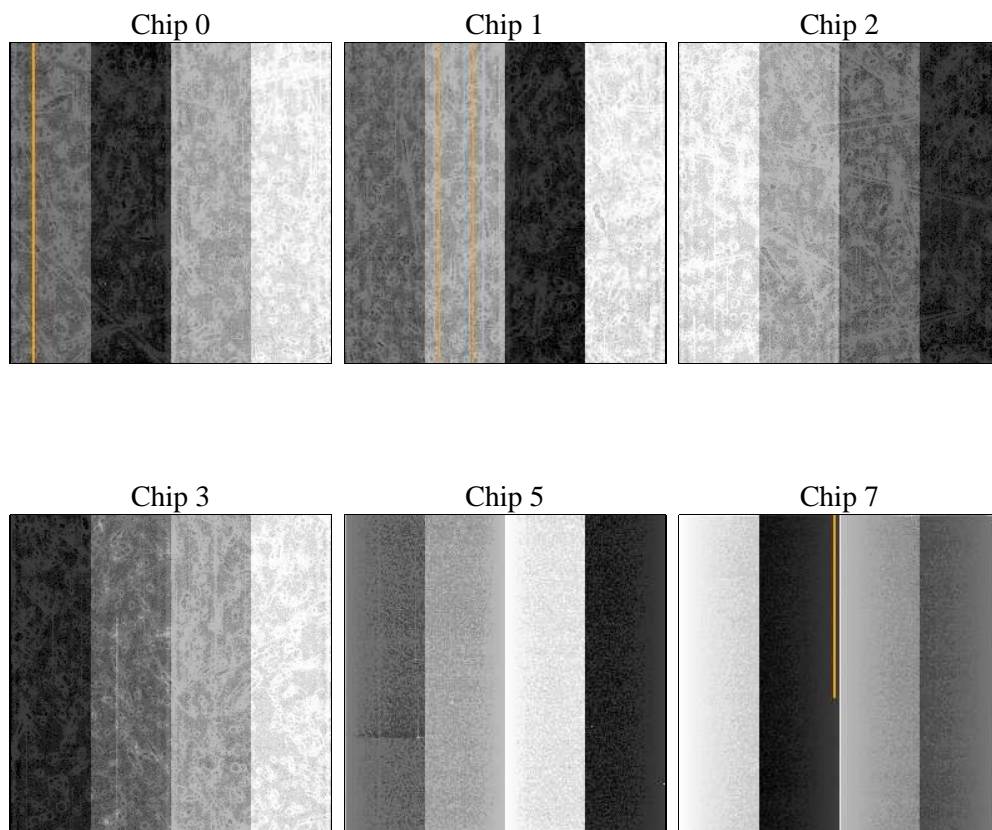
## 2 OBI

### 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	4735.9999824166	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	4735.9999824166	Sum of GTIs [s]
date	2012-02-28T16:36:26	Date and time of file creation	ontime1	4735.9999824166	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4735.9999824166	Sum of GTIs [s]
			ontime3	4735.9999824166	Sum of GTIs [s]
			ontime5	4735.9999824166	Sum of GTIs [s]
			ontime7	4735.9999824166	Sum of GTIs [s]
			l1events	390417	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	57057	57074	58005	58781	81203	78297	grade 0 events	13719	13491	14220	14216	6344	7585
rejected events	30512	30529	31472	32250	34759	34043		24%	23%	24%	24%	7%	9%
rejected %	53%	53%	54%	54%	42%	43%	grade 1 events	85	73	75	89	114	63
								0%	0%	0%	0%	0%	0%
							grade 2 events	4969	5218	4782	4666	16567	9695
								8%	9%	8%	7%	20%	12%
							grade 3 events	1875	1734	1894	1835	1852	3903
								3%	3%	3%	3%	2%	4%
							grade 4 events	1778	1765	1802	1835	1838	3891
								3%	3%	3%	3%	2%	4%
							grade 5 events	1951	2073	1849	2100	4553	5429
								3%	3%	3%	3%	5%	6%
							grade 6 events	4228	4361	3852	4002	19879	19207
								7%	7%	6%	6%	24%	24%
							grade 7 events	28452	28359	29531	30038	30056	28524
								49%	49%	50%	51%	37%	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	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	100.0019459868226	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	9.028646979705918	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	53.31360923652408	[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)	440029376.829252	440029375.80426			
Observation start date	2011-12-11T22:22:57	2011-12-11T22:22:55			
[s] Observation end time (MET)	440037004.879654	440037003.85466			
Observation end date	2011-12-12T00:30:05	2011-12-12T00:30:03			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.7359999824166

### A.2 Comments