

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58161 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 2 2012

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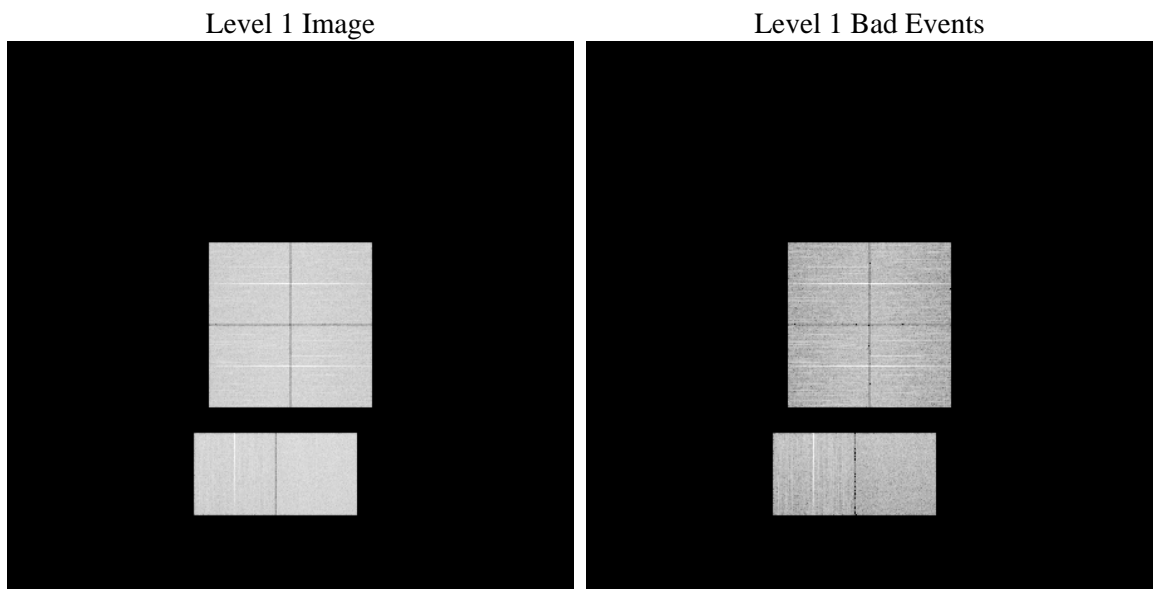
# 1 Front

seq_num	&#160	Sequence number
obs_id	58161	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	352.0161658004	Nominal RA [deg]
dec_nom	10.97608851533	Nominal Dec [deg]
roll_nom	270.66596858638	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7715.1999713182	Sum of GTIs [s]
livetime	7617.5054637457	Livetime [s]
ontime0	7715.1999713182	Sum of GTIs [s]
ontime1	7715.1999713182	Sum of GTIs [s]
ontime2	7715.1999713182	Sum of GTIs [s]
ontime3	7715.1999713182	Sum of GTIs [s]
ontime6	7715.1999713182	Sum of GTIs [s]
ontime7	7715.1999713182	Sum of GTIs [s]
l2events	632085	Number of level 2 events

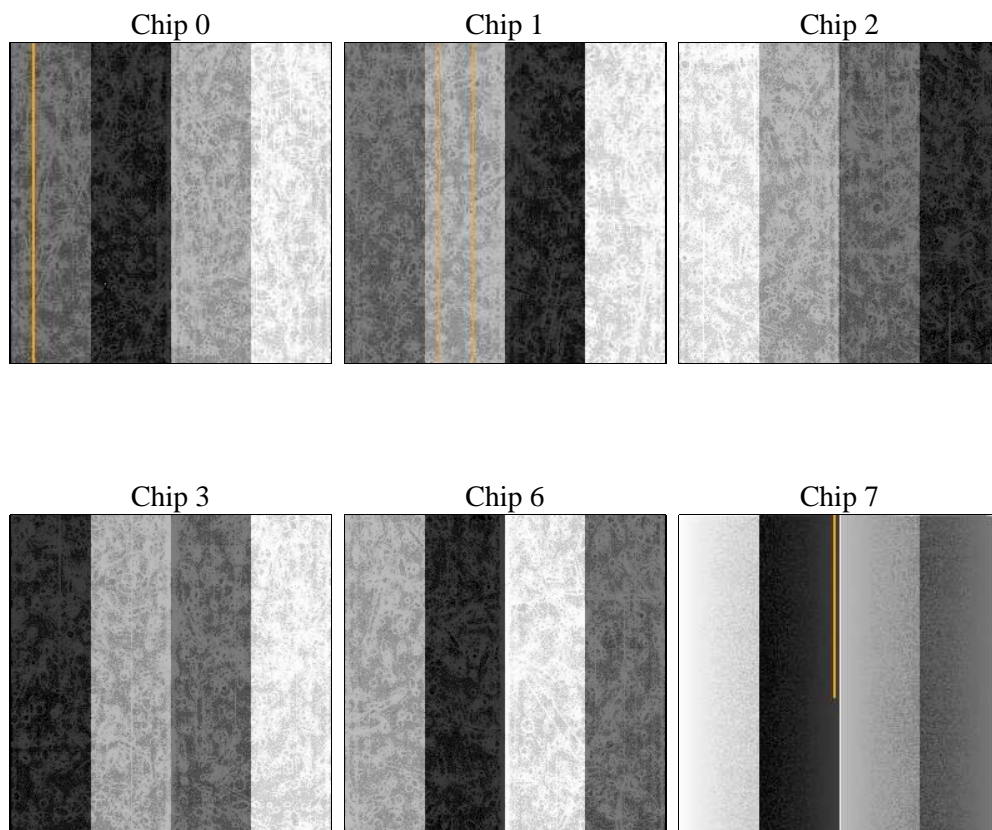
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	7715.1999713182	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	7715.1999713182	Sum of GTIs [s]
date	2012-05-02T23:58:35	Date and time of file creation	ontime1	7715.1999713182	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7715.1999713182	Sum of GTIs [s]
			ontime3	7715.1999713182	Sum of GTIs [s]
			ontime6	7715.1999713182	Sum of GTIs [s]
			ontime7	7715.1999713182	Sum of GTIs [s]
			l1events	1076955	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	170022	169851	176644	177169	183208	200061	grade 0 events	56987	56694	58475	58923	58595	28522
rejected events	65566	64302	71469	71839	73986	63000		33%	33%	33%	33%	31%	14%
rejected %	38%	37%	40%	40%	40%	31%	grade 1 events	394	364	475	462	352	150
								0%	0%	0%	0%	0%	0%
							grade 2 events	18780	19784	18148	18465	19283	30189
								11%	11%	10%	10%	10%	15%
							grade 3 events	7004	6940	7107	7106	7132	13076
								4%	4%	4%	4%	3%	6%
							grade 4 events	7015	6962	7227	7059	7097	13053
								4%	4%	4%	3%	3%	6%
							grade 5 events	3748	3762	3472	4085	4031	10175
								2%	2%	1%	2%	2%	5%
							grade 6 events	15690	16304	15363	14901	18331	53686
								9%	9%	8%	8%	10%	26%
							grade 7 events	60404	59041	66377	66168	68387	51210
								35%	34%	37%	37%	37%	25%

## 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	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	352.0161658003972	Alternating exposures requested	N	N
[deg] Pointing Dec	0	10.97608851533034	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	270.6659685863781			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	309141322.106609	309141321.08161			
Observation start date	2007-10-19T00:35:22	2007-10-19T00:35:21			
[s] Observation end time (MET)	309164068.907706	309164067.8827			
Observation end date	2007-10-19T06:54:29	2007-10-19T06:54:27			
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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7151999713182

### A.2 Comments