

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56959 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 10 2012

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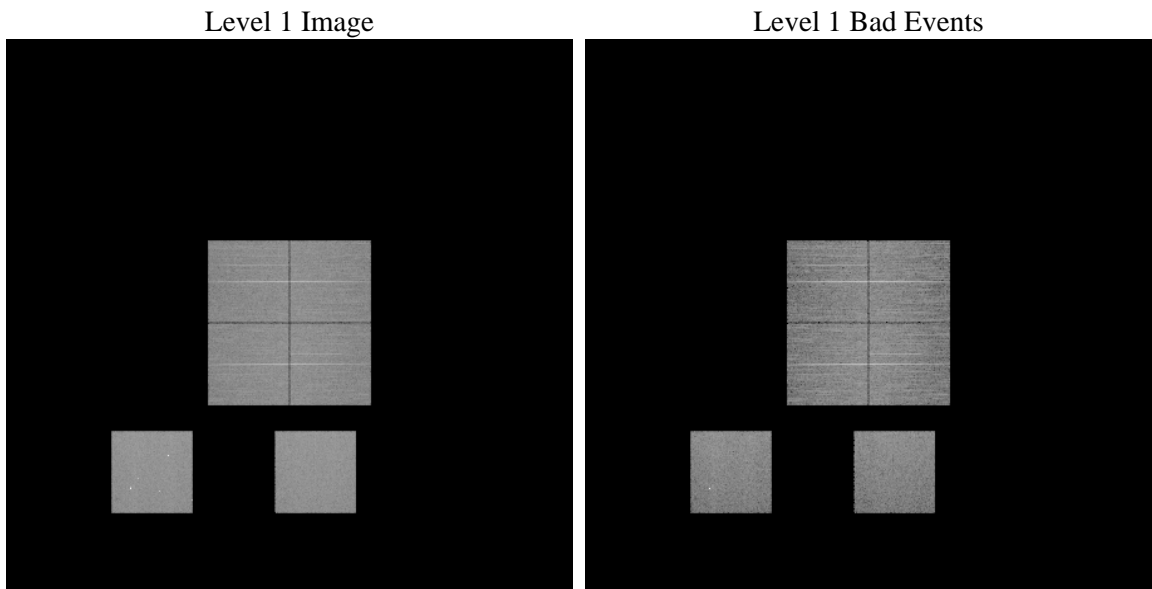
# 1 Front

seq_num	&#160	Sequence number
obs_id	56959	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycycle	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	230.01022264188	Nominal RA [deg]
dec_nom	-16.027965950509	Nominal Dec [deg]
roll_nom	253.94893761388	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8270.5176134706	Sum of GTIs [s]
livetime	8165.791339541	Livetime [s]
ontime0	8270.4765734673	Sum of GTIs [s]
ontime1	8270.435533464	Sum of GTIs [s]
ontime2	8270.3944934607	Sum of GTIs [s]
ontime3	8270.5586534739	Sum of GTIs [s]
ontime5	8270.3534534574	Sum of GTIs [s]
ontime7	8270.5176134706	Sum of GTIs [s]
l2events	510376	Number of level 2 events

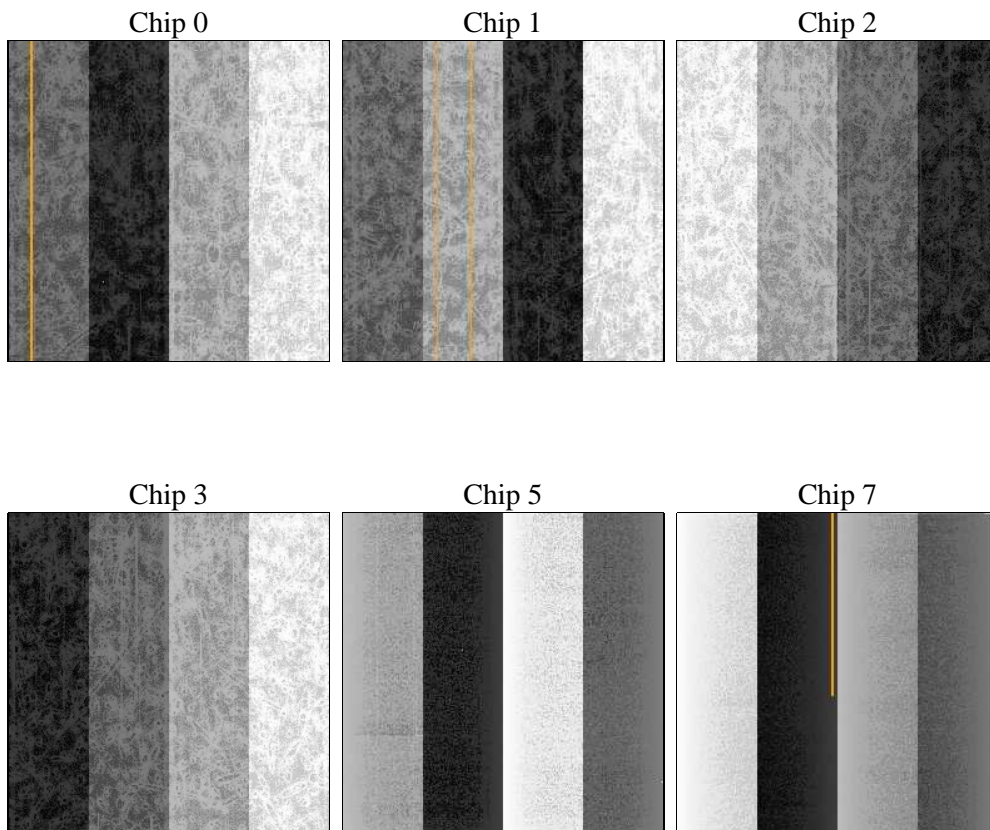
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	8270.5176134706	Sum of GTIs [s]
caldbver	4.4.10	&#160	ontime0	8270.4765734673	Sum of GTIs [s]
date	2012-06-10T12:31:18	Date and time of file creation	ontime1	8270.435533464	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8270.3944934607	Sum of GTIs [s]
			ontime3	8270.5586534739	Sum of GTIs [s]
			ontime5	8270.3534534574	Sum of GTIs [s]
			ontime7	8270.5176134706	Sum of GTIs [s]
			l1events	990856	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	149024	152547	155094	155466	192250	186475	grade 0 events	40888	40094	41378	41794	18156	21265
rejected events	72460	76031	78690	78880	75355	71303		27%	26%	26%	26%	9%	11%
rejected %	48%	49%	50%	50%	39%	38%	grade 1 events	303	256	346	321	1575	176
								0%	0%	0%	0%	0%	0%
							grade 2 events	13985	14362	13339	13366	40779	25085
								9%	9%	8%	8%	21%	13%
							grade 3 events	5172	5154	5200	5264	5338	10765
								3%	3%	3%	3%	2%	5%
							grade 4 events	5191	5091	5239	5349	5294	10529
								3%	3%	3%	3%	2%	5%
							grade 5 events	4123	4313	3909	4548	9935	11477
								2%	2%	2%	2%	5%	6%
							grade 6 events	11328	11815	11248	10813	47328	47528
								7%	7%	7%	6%	24%	25%
							grade 7 events	68034	71462	74435	74011	63845	59650
								45%	46%	47%	47%	33%	31%

## 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	230.0102226418762	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-16.02796595050894	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	253.9489376138828	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	363940040.107524	363940039.08253			
Observation start date	2009-07-14T06:27:20	2009-07-14T06:27:19			
[s] Observation end time (MET)	363965509.308799	363965508.2838			
Observation end date	2009-07-14T13:31:49	2009-07-14T13:31:48			
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)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2705176134706

## A.2 Comments