

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57960 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 9 2012

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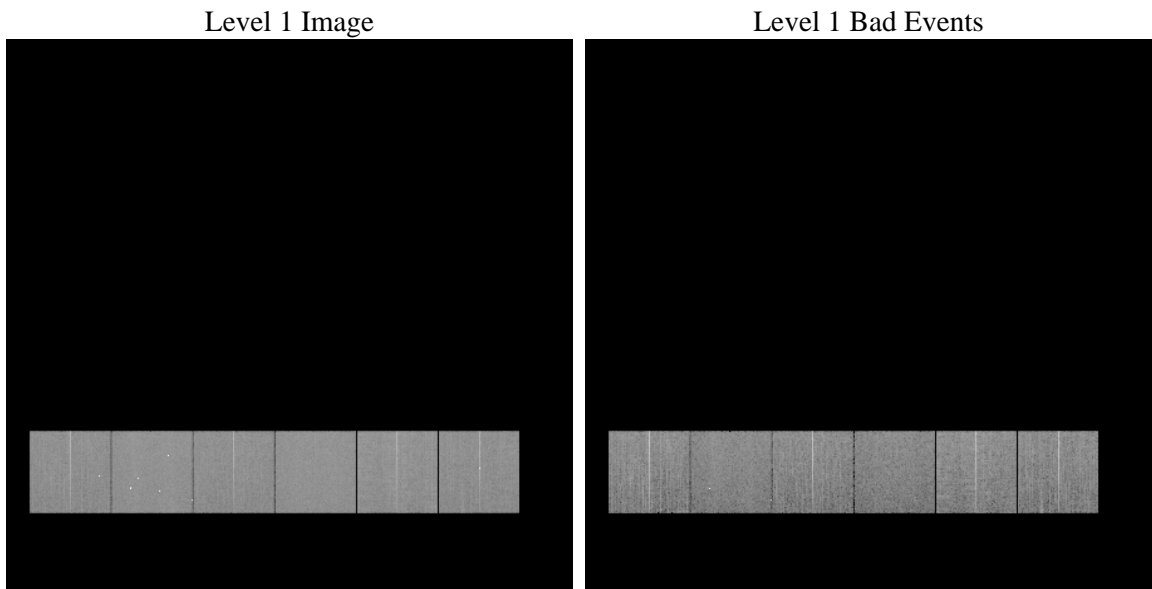
# 1 Front

seq_num	&#160	Sequence number
obs_id	57960	Observation id
title	ACIS-456789 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	163.96545680657	Nominal RA [deg]
dec_nom	37.000216984374	Nominal Dec [deg]
roll_nom	149.61932195999	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7790.9474479556	Sum of GTIs [s]
livetime	7692.2937802242	Livetime [s]
ontime4	7790.8243279457	Sum of GTIs [s]
ontime5	7790.9064079523	Sum of GTIs [s]
ontime6	7790.865367949	Sum of GTIs [s]
ontime7	7790.9474479556	Sum of GTIs [s]
ontime8	7790.7832879424	Sum of GTIs [s]
ontime9	7790.9884879589	Sum of GTIs [s]
l2events	662623	Number of level 2 events

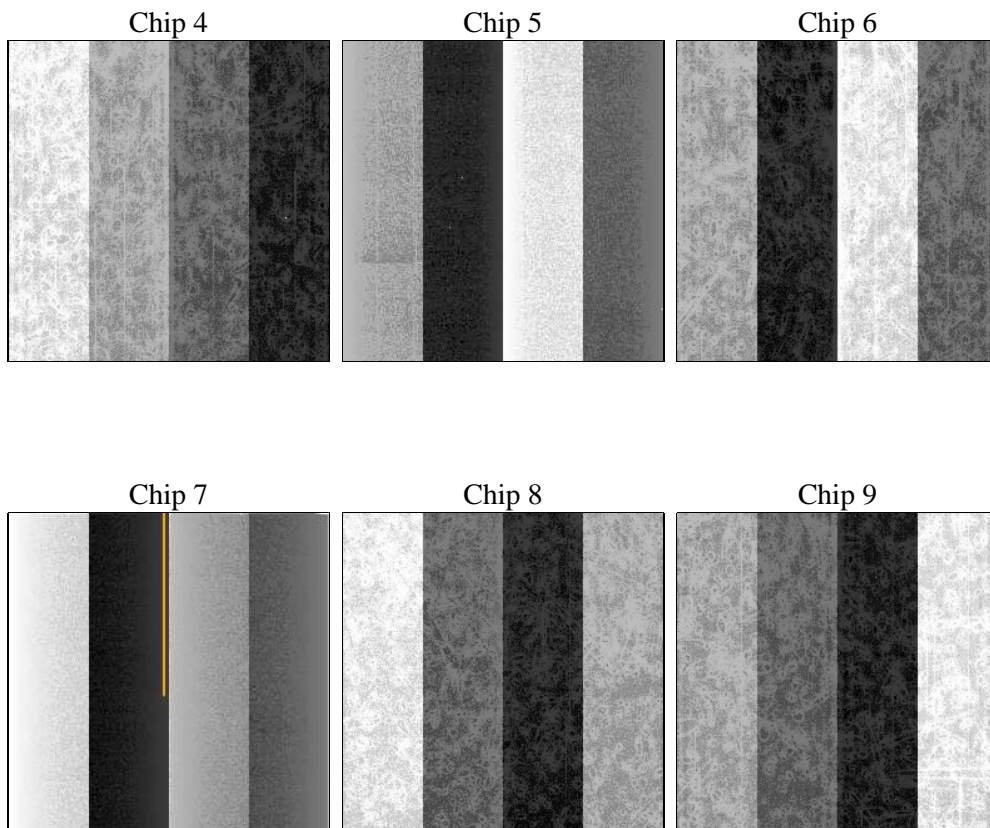
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	7790.9474479556	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime4	7790.8243279457	Sum of GTIs [s]
date	2012-05-09T21:48:24	Date and time of file creation	ontime5	7790.9064079523	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7790.865367949	Sum of GTIs [s]
			ontime7	7790.9474479556	Sum of GTIs [s]
			ontime8	7790.7832879424	Sum of GTIs [s]
			ontime9	7790.9884879589	Sum of GTIs [s]
			l1events	1154858	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	183435	206410	182261	198148	202160	182444	grade 0 events	60858	25290	57665	28153	62428	57651
rejected events	78195	68094	71698	60984	79232	73097		33%	12%	31%	14%	30%	31%
rejected %	42%	32%	39%	30%	39%	40%	grade 1 events	592	367	347	129	424	402
								0%	0%	0%	0%	0%	0%
							grade 2 events	16053	50434	19793	30100	22532	20460
								8%	24%	10%	15%	11%	11%
							grade 3 events	7197	5983	7039	12652	8449	7027
								3%	2%	3%	6%	4%	3%
							grade 4 events	7094	5781	6926	12408	8313	6928
								3%	2%	3%	6%	4%	3%
							grade 5 events	3942	9122	4123	10113	5169	4398
								2%	4%	2%	5%	2%	2%
							grade 6 events	14038	50828	19140	53851	21206	17281
								7%	24%	10%	27%	10%	9%
							grade 7 events	73661	58605	67228	50742	73639	68297
								40%	28%	36%	25%	36%	37%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	163.965456806568
[deg] Pointing Dec	0	37.00021698437381
[deg] Pointing Roll	0.0	149.6193219599917
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	319613097.763232	319613096.73822
Observation start date	2008-02-17T05:24:58	2008-02-17T05:24:56
[s] Observation end time (MET)	319623066.913716	319623065.88871
Observation end date	2008-02-17T08:11:07	2008-02-17T08:11:05
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7909474479556

### A.2 Comments