

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59042 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 28 2012

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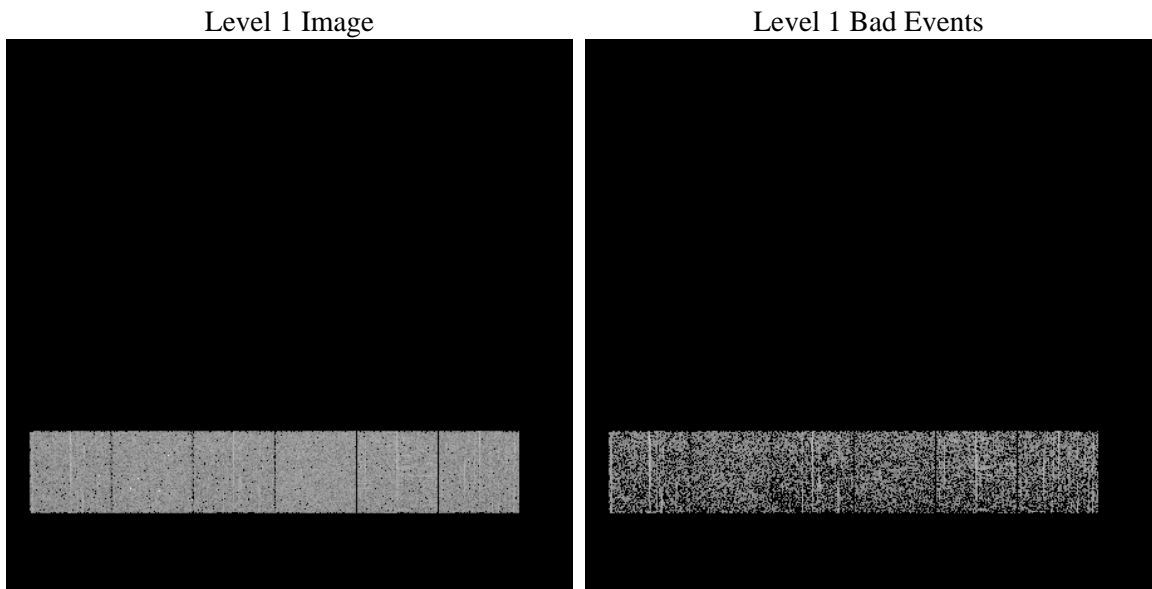
# 1 Front

seq_num	&#160	Sequence number
obs_id	59042	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	199.96876123334	Nominal RA [deg]
dec_nom	24.99580547952	Nominal Dec [deg]
roll_nom	155.15542552306	Nominal Roll [deg]
revision	2	Processing version of data
ontime	703.9999973774	Sum of GTIs [s]
livetime	695.0855255127	Livetime [s]
ontime4	703.9999973774	Sum of GTIs [s]
ontime5	703.9999973774	Sum of GTIs [s]
ontime6	703.9999973774	Sum of GTIs [s]
ontime7	703.9999973774	Sum of GTIs [s]
ontime8	703.9999973774	Sum of GTIs [s]
ontime9	703.9999973774	Sum of GTIs [s]
l2events	81914	Number of level 2 events

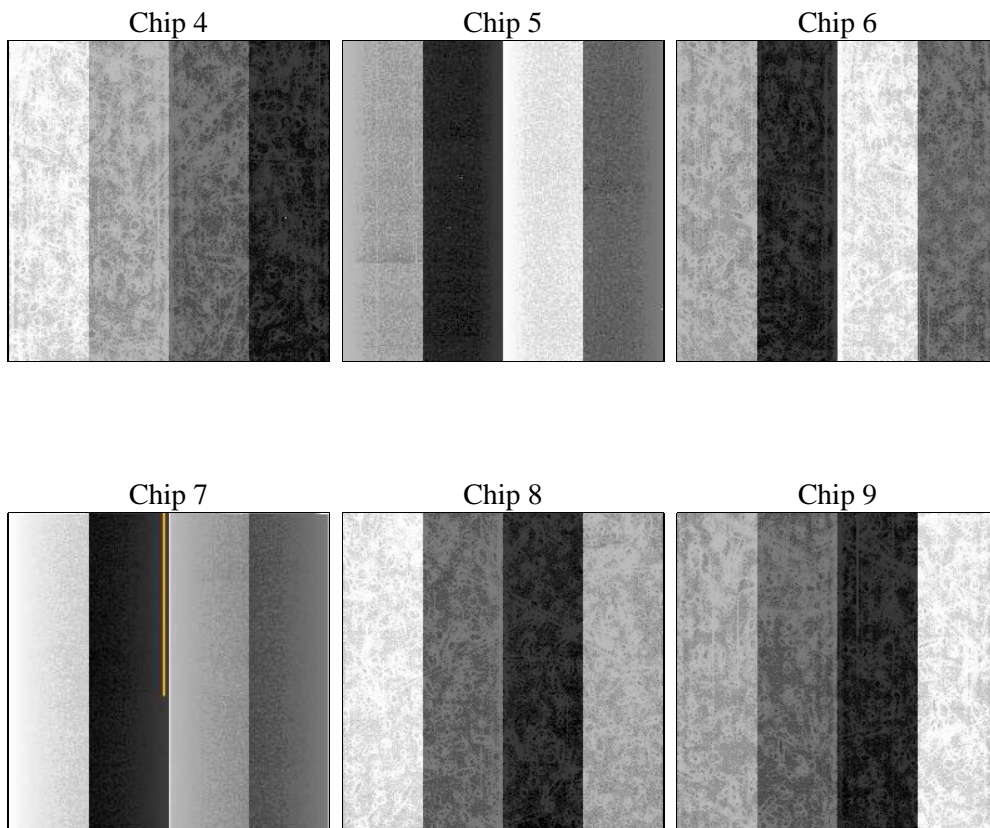
## 2 OBI

### 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	703.9999973774	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime4	703.9999973774	Sum of GTIs [s]
date	2012-03-29T01:19:50	Date and time of file creation	ontime5	703.9999973774	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	703.9999973774	Sum of GTIs [s]
			ontime7	703.9999973774	Sum of GTIs [s]
			ontime8	703.9999973774	Sum of GTIs [s]
			ontime9	703.9999973774	Sum of GTIs [s]
			l1events	125911	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	20171	21334	20355	21634	22138	20279
rejected events	6681	5790	5976	5345	6866	6627
rejected %	33%	27%	29%	24%	31%	32%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	7829	3239	7792	3657	8006	7457
	38%	15%	38%	16%	36%	36%
grade 1 events	67	35	48	8	48	43
	0%	0%	0%	0%	0%	0%
grade 2 events	2083	5641	2467	3622	2674	2352
	10%	26%	12%	16%	12%	11%
grade 3 events	911	805	906	1534	1017	912
	4%	3%	4%	7%	4%	4%
grade 4 events	881	715	936	1671	1087	878
	4%	3%	4%	7%	4%	4%
grade 5 events	347	840	358	871	460	390
	1%	3%	1%	4%	2%	1%
grade 6 events	1786	5224	2278	5888	2488	2128
	8%	24%	11%	27%	11%	10%
grade 7 events	6267	4835	5570	4383	6358	6119
	31%	22%	27%	20%	28%	30%

## 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	199.9687612333398
[deg] Pointing Dec	0	24.99580547952042
[deg] Pointing Roll	0.0	155.1554255230624
[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)	259986905.627926	259986904.60292
Observation start date	2006-03-29T02:35:06	2006-03-29T02:35:04
[s] Observation end time (MET)	259990976.928116	259990975.90311
Observation end date	2006-03-29T03:42:57	2006-03-29T03:42:55
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)	2012.03.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.7039999973774

### A.2 Comments