

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59259 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 18 2012

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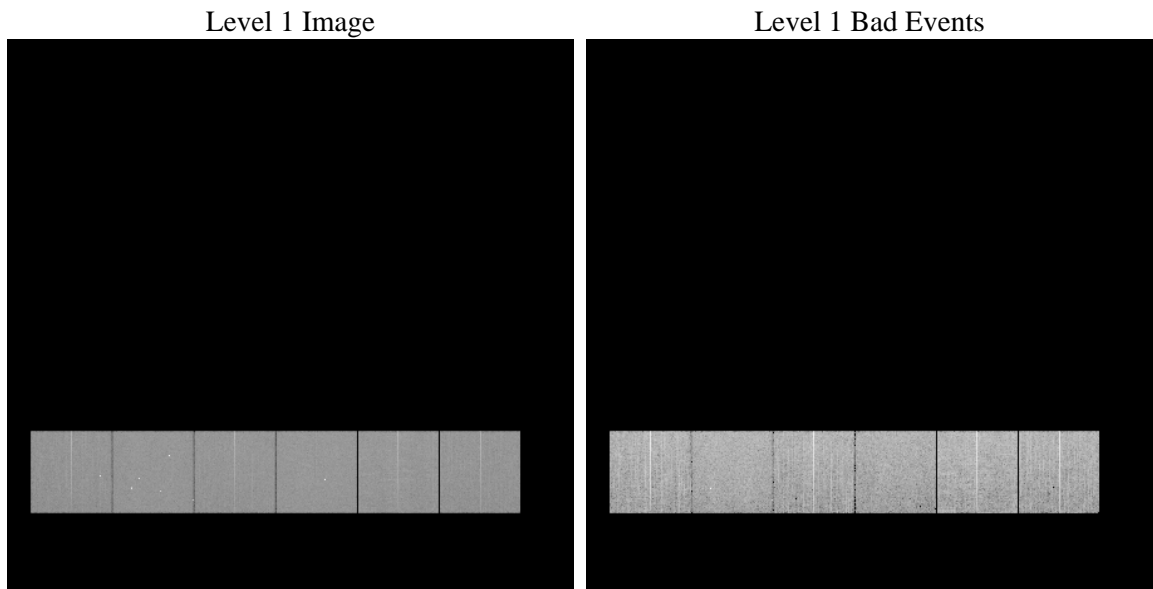
# 1 Front

seq_num	&#160	Sequence number
obs_id	59259	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	107.97979828247	Nominal RA [deg]
dec_nom	30.02263642216	Nominal Dec [deg]
roll_nom	94.855905746298	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8275.1999691725	Sum of GTIs [s]
livetime	8170.4144044356	Livetime [s]
ontime4	7925.1736773551	Sum of GTIs [s]
ontime5	8275.1999691725	Sum of GTIs [s]
ontime6	8255.7540673912	Sum of GTIs [s]
ontime7	8275.1999691725	Sum of GTIs [s]
ontime8	8275.1999691725	Sum of GTIs [s]
ontime9	8203.8983025849	Sum of GTIs [s]
l2events	1020471	Number of level 2 events

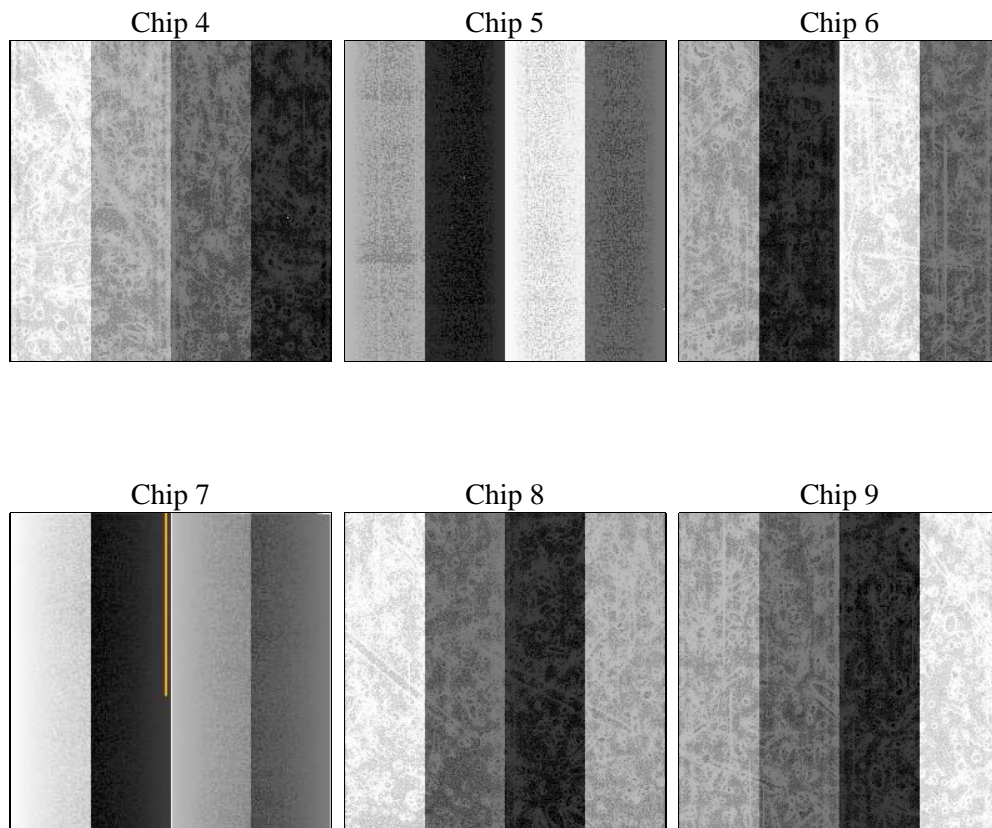
## 2 OBI

### 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	8275.1999691725	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime4	7925.1736773551	Sum of GTIs [s]
date	2012-03-18T11:24:09	Date and time of file creation	ontime5	8275.1999691725	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8255.7540673912	Sum of GTIs [s]
			ontime7	8275.1999691725	Sum of GTIs [s]
			ontime8	8275.1999691725	Sum of GTIs [s]
			ontime9	8203.8983025849	Sum of GTIs [s]
			l1events	1479645	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	230536	248957	243787	258282	260116	237967	grade 0 events	94847	40691	97209	49057	101395	95171
rejected events	67629	60817	63923	54890	70568	64541		41%	16%	39%	18%	38%	39%
rejected %	29%	24%	26%	21%	27%	27%	grade 1 events	801	261	521	202	562	578
								0%	0%	0%	0%	0%	0%
							grade 2 events	25776	67375	31089	44008	33832	29744
								11%	27%	12%	17%	13%	12%
							grade 3 events	10988	10418	11330	19890	12739	11293
								4%	4%	4%	7%	4%	4%
							grade 4 events	10887	10214	11240	19739	12399	11265
								4%	4%	4%	7%	4%	4%
							grade 5 events	3679	9221	3997	9377	4997	4311
								1%	3%	1%	3%	1%	1%
							grade 6 events	20467	59522	29054	70768	29260	26022
								8%	23%	11%	27%	11%	10%
							grade 7 events	63091	51255	59347	45241	64932	59583
								27%	20%	24%	17%	24%	25%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	107.9797982824674	Alternating exposures requested	N	N
[deg] Pointing Dec	0	30.02263642215972	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	94.85590574629771			
[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)	250200707.423868	250200706.39886			
Observation start date	2005-12-05T20:11:47	2005-12-05T20:11:46			
[s] Observation end time (MET)	250222519.424877	250222518.39987			
Observation end date	2005-12-06T02:15:19	2005-12-06T02:15:18			
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)	2012.03.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751999691725

### **A.2 Comments**