

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60827 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 24 2012

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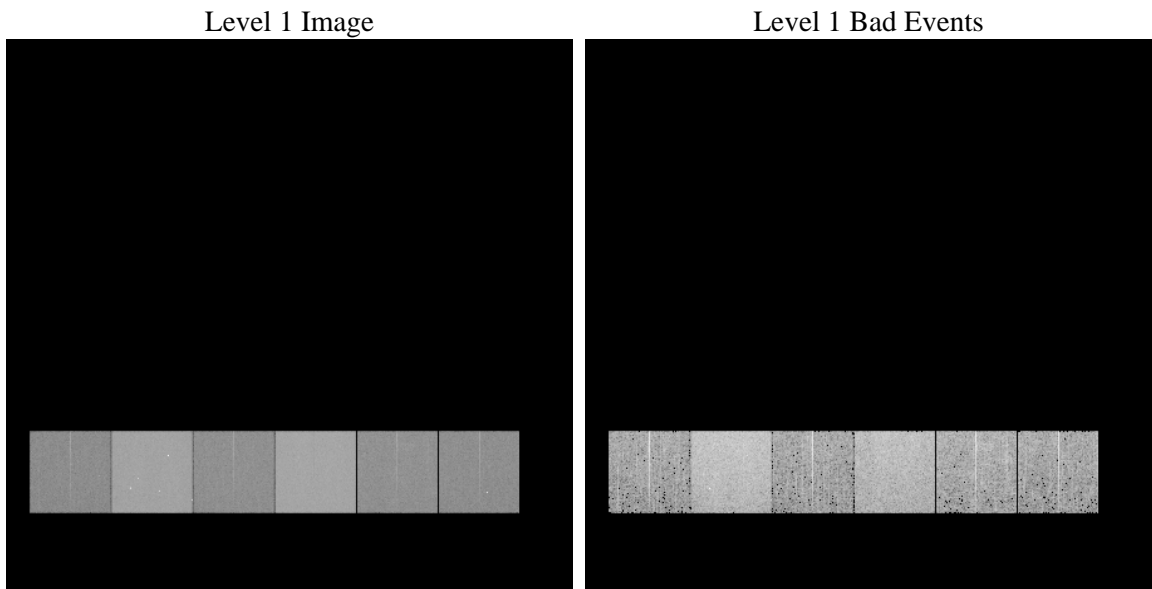
# 1 Front

seq_num	&#160	Sequence number
obs_id	60827	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	144.03500666555	Nominal RA [deg]
dec_nom	-35.996056967606	Nominal Dec [deg]
roll_nom	335.04218712733	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8360.4419284165	Sum of GTIs [s]
livetime	8254.5769786651	Livetime [s]
ontime4	3510.0394982696	Sum of GTIs [s]
ontime5	8357.1599081457	Sum of GTIs [s]
ontime6	3788.7667666376	Sum of GTIs [s]
ontime7	8360.4419284165	Sum of GTIs [s]
ontime8	3858.5536082685	Sum of GTIs [s]
ontime9	3683.7447796762	Sum of GTIs [s]
l2events	1252737	Number of level 2 events

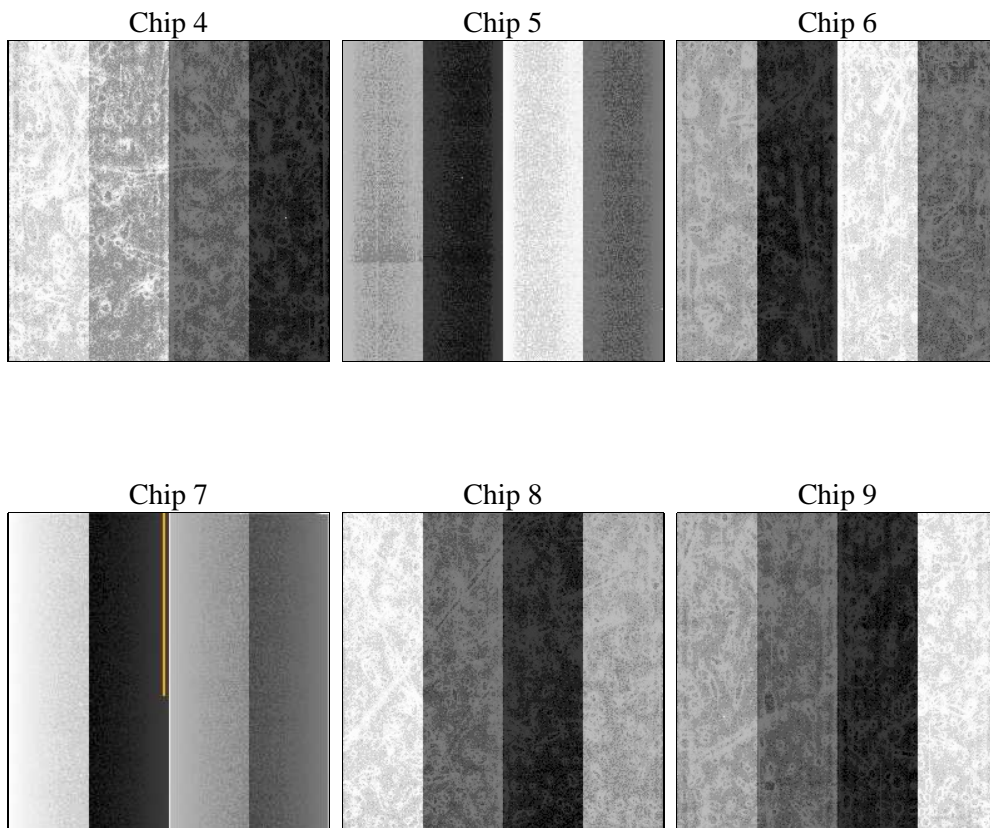
## 2 OBI

### 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	8360.4419284165	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime4	3510.0394982696	Sum of GTIs [s]
date	2012-10-23T23:55:46	Date and time of file creation	ontime5	8357.1599081457	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3788.7667666376	Sum of GTIs [s]
			ontime7	8360.4419284165	Sum of GTIs [s]
			ontime8	3858.5536082685	Sum of GTIs [s]
			ontime9	3683.7447796762	Sum of GTIs [s]
			l1events	1541868	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	168237	382232	191884	415189	201670	182656	grade 0 events	82399	77182	90493	92571	93498	86893
rejected events	27802	59805	27929	49326	33470	28542		48%	20%	47%	22%	46%	47%
rejected %	16%	15%	14%	11%	16%	15%	grade 1 events	633	279	452	221	481	502
								0%	0%	0%	0%	0%	0%
							grade 2 events	22624	117380	28623	81413	29809	26398
								13%	30%	14%	19%	14%	14%
							grade 3 events	9384	19898	10155	37787	11103	9754
								5%	5%	5%	9%	5%	5%
							grade 4 events	9382	19814	10168	37164	11026	9942
								5%	5%	5%	8%	5%	5%
							grade 5 events	1759	9785	1931	8752	2199	2061
								1%	2%	1%	2%	1%	1%
							grade 6 events	18132	91992	26131	121303	24892	22901
								10%	24%	13%	29%	12%	12%
							grade 7 events	23924	45902	23931	35978	28662	24205
								14%	12%	12%	8%	14%	13%

## 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	144.0350066655467	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-35.9960569676064	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	335.0421871273304			
[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)	162924575.508331	162924574.48358			
Observation start date	2003-03-01T16:49:36	2003-03-01T16:49:34			
[s] Observation end time (MET)	162945885.259229	162945884.23448			
Observation end date	2003-03-01T22:44:45	2003-03-01T22:44:44			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.11.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3604419284165

### A.2 Comments