

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60953 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 17 2012

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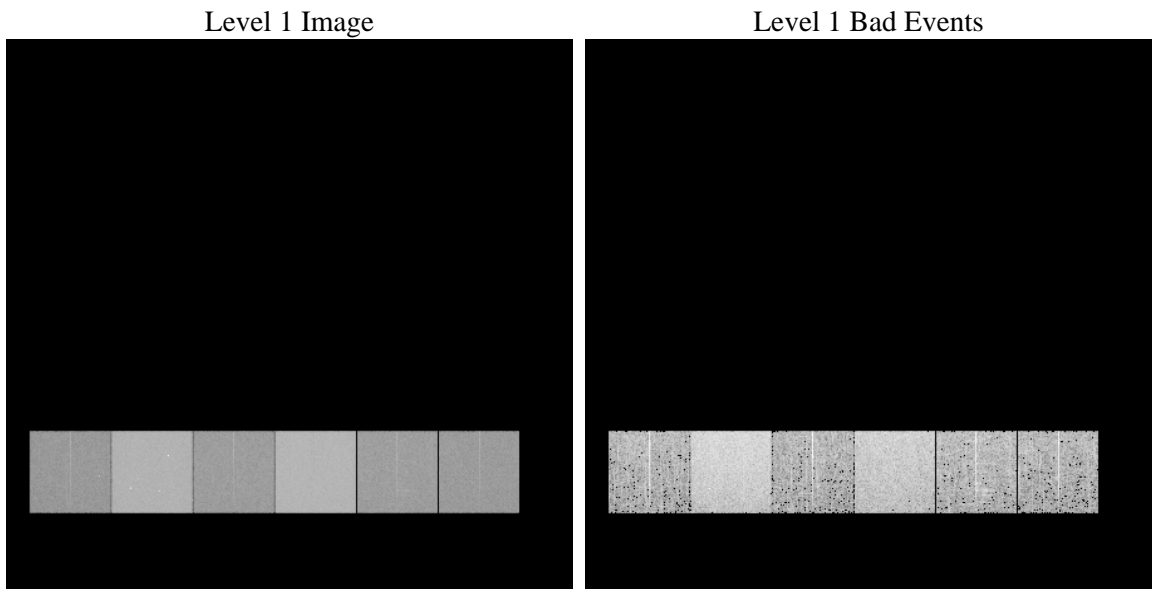
# 1 Front

seq_num	&#160	Sequence number
obs_id	60953	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	56.324416171278	Nominal RA [deg]
dec_nom	-9.5845316326215	Nominal Dec [deg]
roll_nom	359.84642038674	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8401.9488926828	Sum of GTIs [s]
livetime	8295.5583567574	Livetime [s]
ontime4	3161.1522720754	Sum of GTIs [s]
ontime5	8401.9078526795	Sum of GTIs [s]
ontime6	3493.8349948525	Sum of GTIs [s]
ontime7	8401.9488926828	Sum of GTIs [s]
ontime8	3607.2703089714	Sum of GTIs [s]
ontime9	3390.1223225892	Sum of GTIs [s]
l2events	1288365	Number of level 2 events

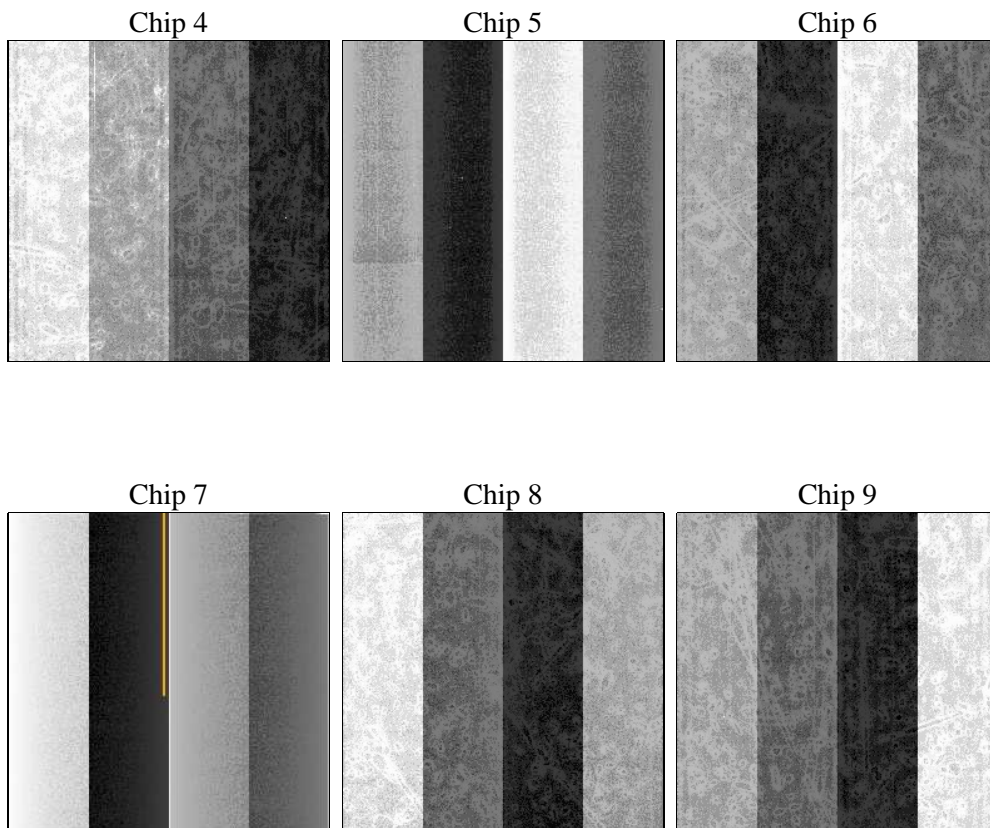
## 2 OBI

### 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	8401.9488926828	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime4	3161.1522720754	Sum of GTIs [s]
date	2012-10-18T00:51:53	Date and time of file creation	ontime5	8401.9078526795	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3493.8349948525	Sum of GTIs [s]
			ontime7	8401.9488926828	Sum of GTIs [s]
			ontime8	3607.2703089714	Sum of GTIs [s]
			ontime9	3390.1223225892	Sum of GTIs [s]
			l1events	1536492	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	159550	393118	185481	430632	194412	173299	grade 0 events	78998	78754	89064	97237	92966	83695
rejected events	23072	53661	22494	42105	25867	22316		49%	20%	48%	22%	47%	48%
rejected %	14%	13%	12%	9%	13%	12%	grade 1 events	522	265	404	260	421	409
								0%	0%	0%	0%	0%	0%
							grade 2 events	22155	124229	27923	85780	29544	25956
								13%	31%	15%	19%	15%	14%
							grade 3 events	9181	20632	10075	39159	10777	9530
								5%	5%	5%	9%	5%	5%
							grade 4 events	8990	20551	10119	39477	10778	9614
								5%	5%	5%	9%	5%	5%
							grade 5 events	1540	9666	1702	8284	1963	1801
								0%	2%	0%	1%	1%	1%
							grade 6 events	17295	95423	25806	127021	24480	22188
								10%	24%	13%	29%	12%	12%
							grade 7 events	20869	43598	20388	33414	23483	20106
								13%	11%	10%	7%	12%	11%

## 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	56.3244161712776	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-9.584531632621502	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	359.8464203867442			
[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)	154238733.344818	154238732.32011			
Observation start date	2002-11-21T04:05:33	2002-11-21T04:05:32			
[s] Observation end time (MET)	154260610.945727	154260609.92103			
Observation end date	2002-11-21T10:10:11	2002-11-21T10:10:09			
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)	2012.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4019488926828

### A.2 Comments