

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61386 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 29 2012

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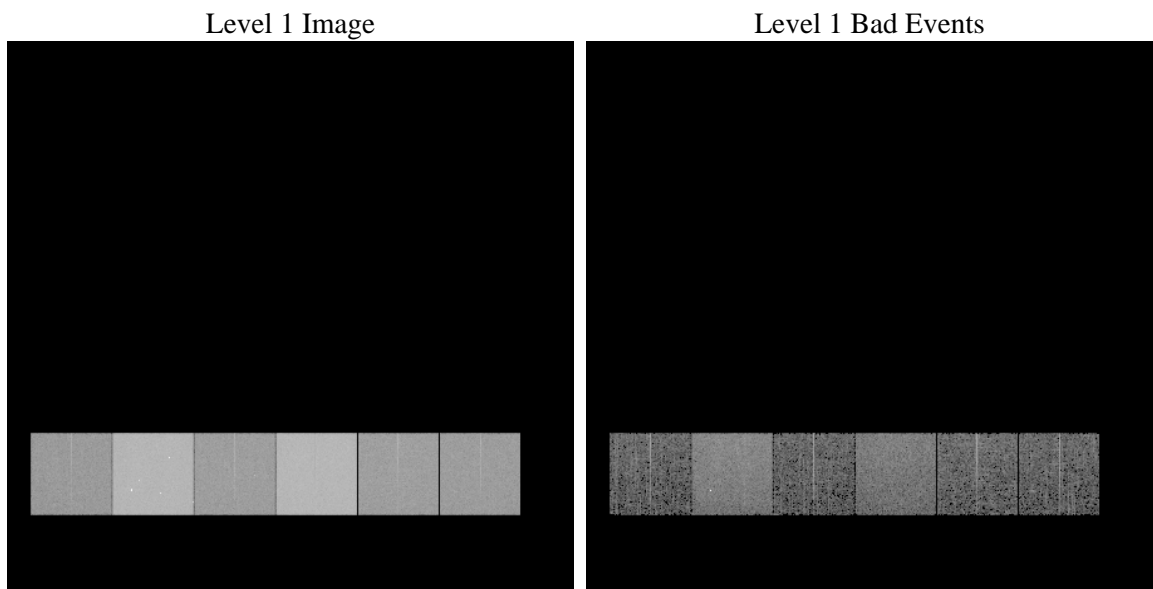
# 1 Front

seq_num	&#160	Sequence number
obs_id	61386	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	334.02853969946	Nominal RA [deg]
dec_nom	-56.023788367468	Nominal Dec [deg]
roll_nom	271.05528591555	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6780.9153647423	Sum of GTIs [s]
livetime	6695.0513314169	Livetime [s]
ontime4	2493.0880670696	Sum of GTIs [s]
ontime5	7224.9263994843	Sum of GTIs [s]
ontime6	2734.4378633648	Sum of GTIs [s]
ontime7	6780.9153647423	Sum of GTIs [s]
ontime8	2757.2073230892	Sum of GTIs [s]
ontime9	2672.7355419099	Sum of GTIs [s]
l2events	1309691	Number of level 2 events

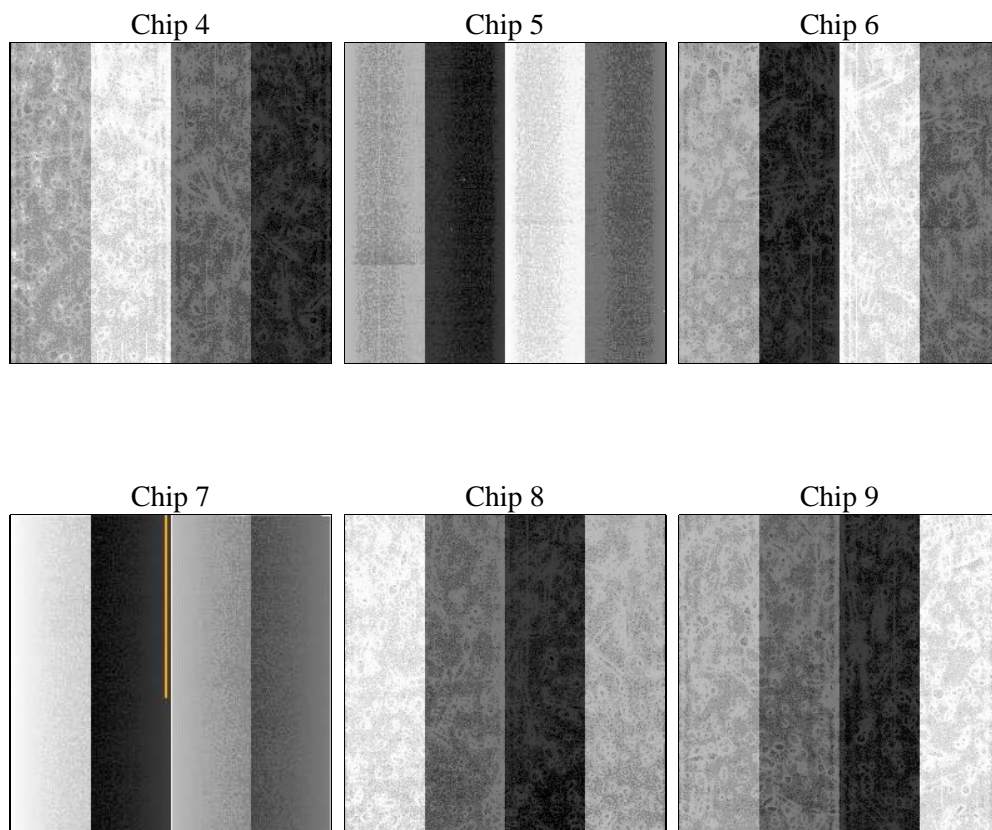
## 2 OBI

### 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	6780.9153647423	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	2493.0880670696	Sum of GTIs [s]
date	2012-09-29T04:18:09	Date and time of file creation	ontime5	7224.9263994843	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2734.4378633648	Sum of GTIs [s]
			ontime7	6780.9153647423	Sum of GTIs [s]
			ontime8	2757.2073230892	Sum of GTIs [s]
			ontime9	2672.7355419099	Sum of GTIs [s]
			l1events	1543837	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	156739	419971	180383	429591	185837	171316	grade 0 events	76364	85646	86957	98789	89186	82472
rejected events	21144	53494	20425	37111	23513	20705		48%	20%	48%	22%	47%	48%
rejected %	13%	12%	11%	8%	12%	12%	grade 1 events	437	290	448	280	446	386
								0%	0%	0%	0%	0%	0%
							grade 2 events	24010	134025	27840	86484	28633	26708
								15%	31%	15%	20%	15%	15%
							grade 3 events	8542	22406	9926	40045	10131	9289
								5%	5%	5%	9%	5%	5%
							grade 4 events	8234	22314	9952	39365	10322	9256
								5%	5%	5%	9%	5%	5%
							grade 5 events	1359	9903	1579	7627	1806	1568
								0%	2%	0%	1%	0%	0%
							grade 6 events	18570	102118	25283	127797	24052	22886
								11%	24%	14%	29%	12%	13%
							grade 7 events	19223	43269	18398	29204	21261	18751
								12%	10%	10%	6%	11%	10%

## 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	334.0285396994624	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-56.0237883674678	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	271.0552859155486			
[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)	124534559.875	124534559.10635			
Observation start date	2001-12-12T08:56:00	2001-12-12T08:55:59			
[s] Observation end time (MET)	124555869.626	124555868.8572			
Observation end date	2001-12-12T14:51:10	2001-12-12T14:51:08			
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)	2012.10.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.7809153647423

### A.2 Comments