

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61302 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 2 2012

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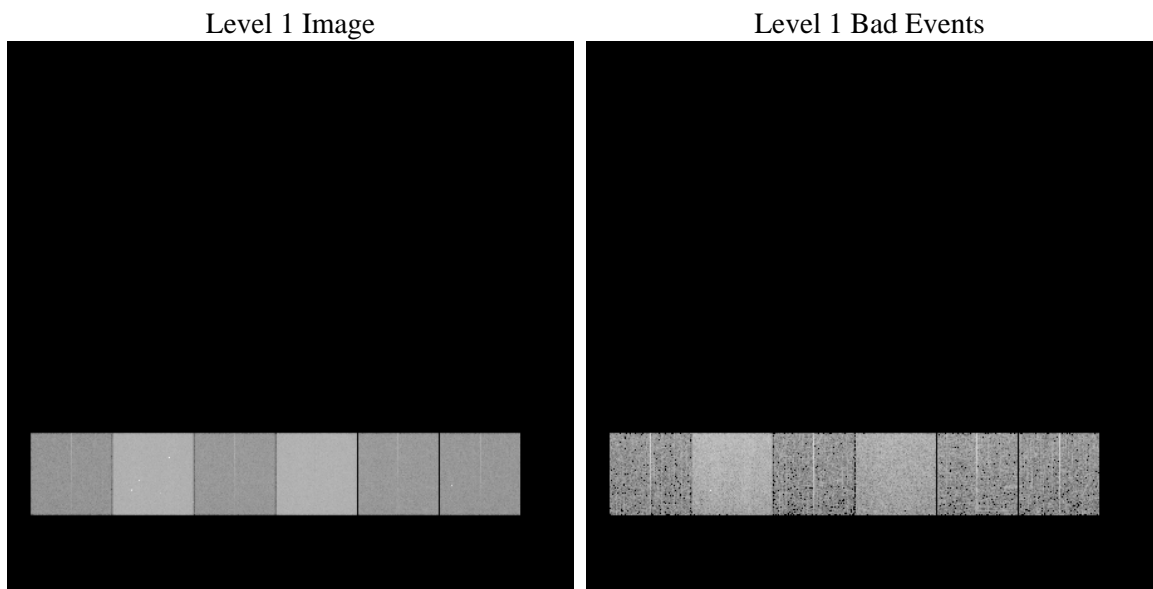
# 1 Front

seq_num	&#160	Sequence number
obs_id	61302	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	280.00107116456	Nominal RA [deg]
dec_nom	40.028580250858	Nominal Dec [deg]
roll_nom	55.573889825363	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7209.2109818012	Sum of GTIs [s]
livetime	7117.9236114839	Livetime [s]
ontime4	2644.6860214323	Sum of GTIs [s]
ontime5	7734.2049644589	Sum of GTIs [s]
ontime6	2853.2467953712	Sum of GTIs [s]
ontime7	7209.2109818012	Sum of GTIs [s]
ontime8	2895.2982451618	Sum of GTIs [s]
ontime9	2784.0504718125	Sum of GTIs [s]
l2events	1325681	Number of level 2 events

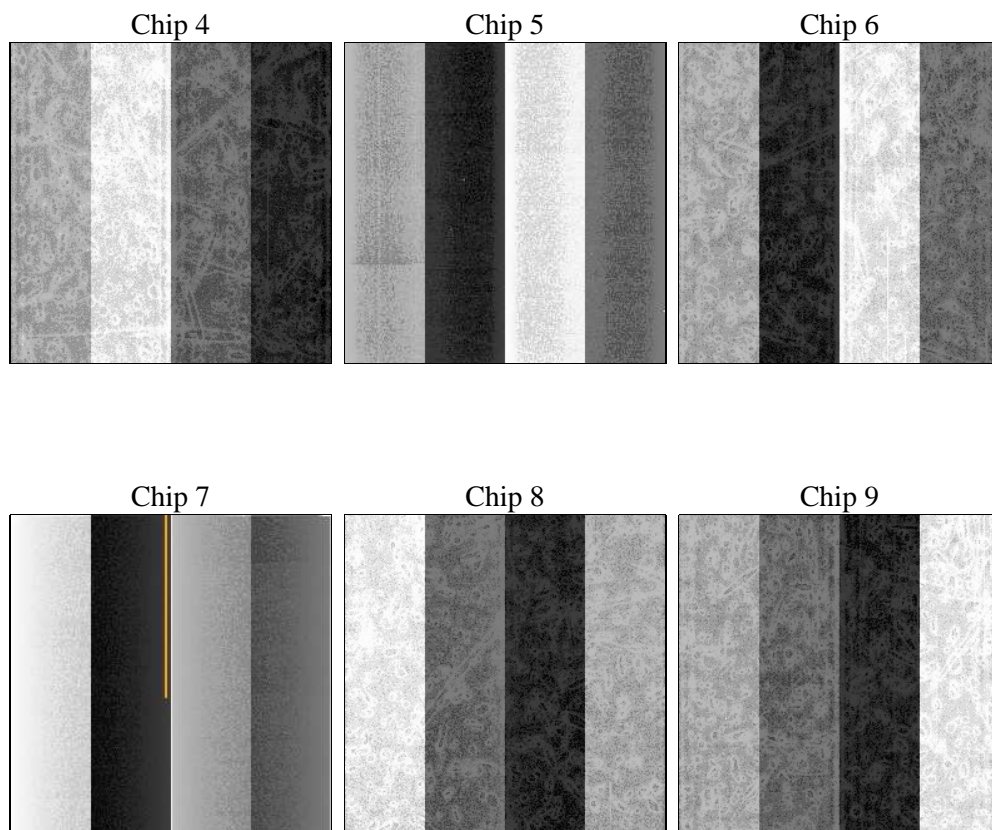
## 2 OBI

### 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	7209.2109818012	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	2644.6860214323	Sum of GTIs [s]
date	2012-10-02T20:52:55	Date and time of file creation	ontime5	7734.2049644589	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2853.2467953712	Sum of GTIs [s]
			ontime7	7209.2109818012	Sum of GTIs [s]
			ontime8	2895.2982451618	Sum of GTIs [s]
			ontime9	2784.0504718125	Sum of GTIs [s]
			l1events	1571430	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	158747	432399	181311	439399	186832	172742	grade 0 events	77248	89586	86934	100437	88958	82604
rejected events	22062	56221	21812	40168	24568	22046		48%	20%	47%	22%	47%	47%
rejected %	13%	13%	12%	9%	13%	12%	grade 1 events	454	262	437	270	436	459
								0%	0%	0%	0%	0%	0%
							grade 2 events	24075	135467	27863	87782	28467	26560
								15%	31%	15%	19%	15%	15%
							grade 3 events	8237	23680	9723	40680	10437	9230
								5%	5%	5%	9%	5%	5%
							grade 4 events	8340	23199	9868	39883	10514	9325
								5%	5%	5%	9%	5%	5%
							grade 5 events	1392	10445	1635	7995	1870	1623
								0%	2%	0%	1%	1%	0%
							grade 6 events	18785	104387	25289	130644	24090	22977
								11%	24%	13%	29%	12%	13%
							grade 7 events	20216	45373	19562	31708	22060	19964
								12%	10%	10%	7%	11%	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	280.0010711645566	Alternating exposures requested	N	N
[deg] Pointing Dec	0	40.02858025085754	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	55.57388982536251			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	130485287.814193	130485287.04572			
Observation start date	2002-02-19T05:54:48	2002-02-19T05:54:47			
[s] Observation end time (MET)	130497007.664667	130497006.89619			
Observation end date	2002-02-19T09:10:08	2002-02-19T09:10:06			
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)	2012.10.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.2092109818012

### A.2 Comments