

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61339 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 1 2012

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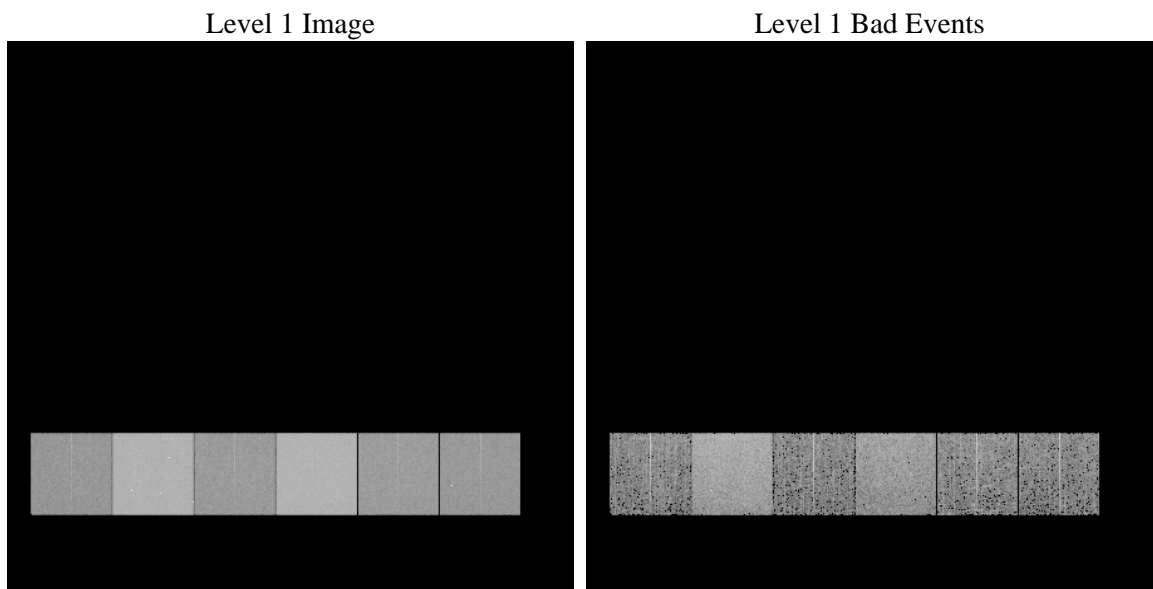
# 1 Front

seq_num	&#160	Sequence number
obs_id	61339	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	224.97992443232	Nominal RA [deg]
dec_nom	-49.974461071846	Nominal Dec [deg]
roll_nom	84.035878074243	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6903.5343818218	Sum of GTIs [s]
livetime	6816.1176726698	Livetime [s]
ontime4	2570.1419022977	Sum of GTIs [s]
ontime5	7383.1550210863	Sum of GTIs [s]
ontime6	2816.4606525451	Sum of GTIs [s]
ontime7	6903.5343818218	Sum of GTIs [s]
ontime8	2933.1374540776	Sum of GTIs [s]
ontime9	2738.6760415882	Sum of GTIs [s]
l2events	1309426	Number of level 2 events

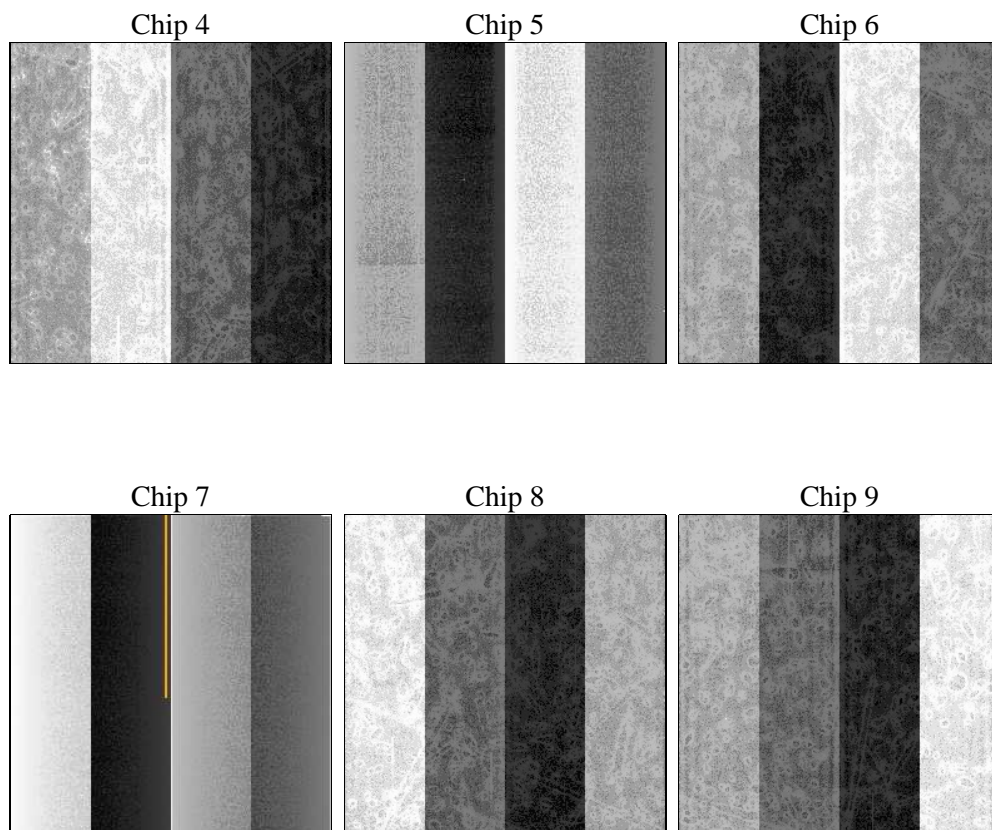
## 2 OBI

### 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	6903.5343818218	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	2570.1419022977	Sum of GTIs [s]
date	2012-10-01T07:25:04	Date and time of file creation	ontime5	7383.1550210863	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2816.4606525451	Sum of GTIs [s]
			ontime7	6903.5343818218	Sum of GTIs [s]
			ontime8	2933.1374540776	Sum of GTIs [s]
			ontime9	2738.6760415882	Sum of GTIs [s]
			l1events	1541921	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	158065	415981	181400	425165	190931	170379	grade 0 events	77241	86935	88184	98153	92104	82252
rejected events	21493	51937	20223	36135	23294	20194		48%	20%	48%	23%	48%	48%
rejected %	13%	12%	11%	8%	12%	11%	grade 1 events	422	491	427	255	423	433
								0%	0%	0%	0%	0%	0%
							grade 2 events	24009	130897	28128	85762	29812	26626
								15%	31%	15%	20%	15%	15%
							grade 3 events	8322	22988	9917	39539	10604	9107
								5%	5%	5%	9%	5%	5%
							grade 4 events	8340	23121	9920	39123	10590	9511
								5%	5%	5%	9%	5%	5%
							grade 5 events	1341	9676	1561	7277	1723	1622
								0%	2%	0%	1%	0%	0%
							grade 6 events	18660	100259	25028	126641	24527	22689
								11%	24%	13%	29%	12%	13%
							grade 7 events	19730	41614	18235	28415	21148	18139
								12%	10%	10%	6%	11%	10%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	224.9799244323204
[deg] Pointing Dec	0	-49.97446107184565
[deg] Pointing Roll	0.0	84.0358780742426
[mm] SIM focus pos	-0.684267	-1.428180813131781
[mm] SIM defocus	0	0.1051558262725154
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	128195468.47184	128195467.70338
Observation start date	2002-01-23T17:51:08	2002-01-23T17:51:07
[s] Observation end time (MET)	128216778.222701	128216777.45424
Observation end date	2002-01-23T23:46:18	2002-01-23T23:46:17
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.9035343818218

### A.2 Comments