

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61250 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 4 2012

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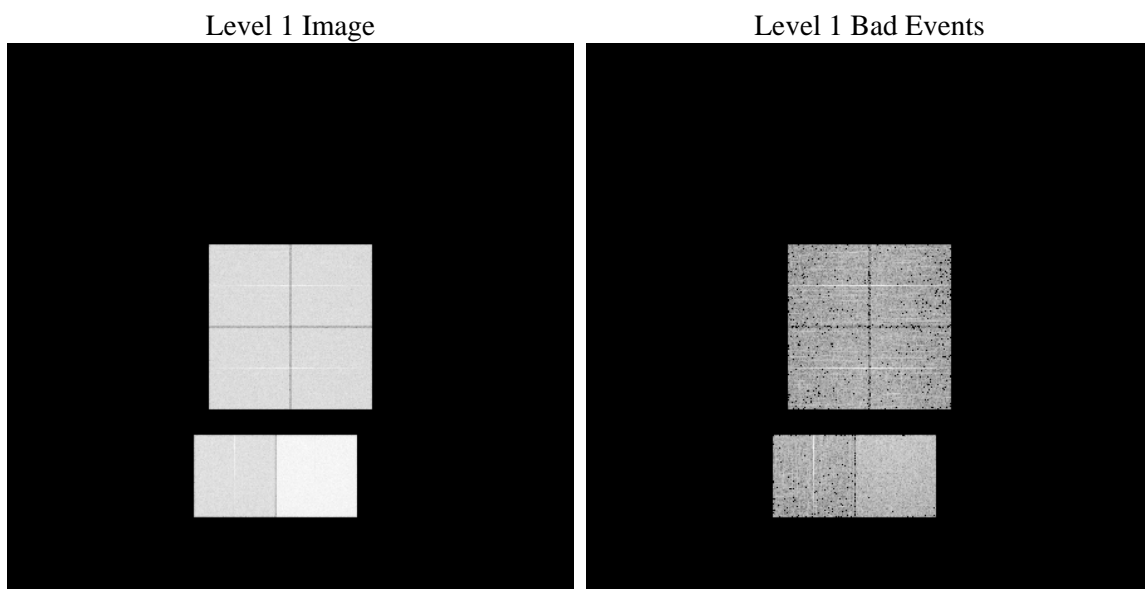
# 1 Front

seq_num	&#160	Sequence number
obs_id	61250	Observation id
title	ACIS-012367 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	181.89297204744	Nominal RA [deg]
dec_nom	3.5722433323229	Nominal Dec [deg]
roll_nom	223.02447850788	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7791.9590669125	Sum of GTIs [s]
livetime	7693.2925894528	Livetime [s]
ontime0	3271.8533025682	Sum of GTIs [s]
ontime1	3255.6892623305	Sum of GTIs [s]
ontime2	3184.4282889962	Sum of GTIs [s]
ontime3	3154.1189910173	Sum of GTIs [s]
ontime6	3469.6785268635	Sum of GTIs [s]
ontime7	7791.9590669125	Sum of GTIs [s]
l2events	1231481	Number of level 2 events

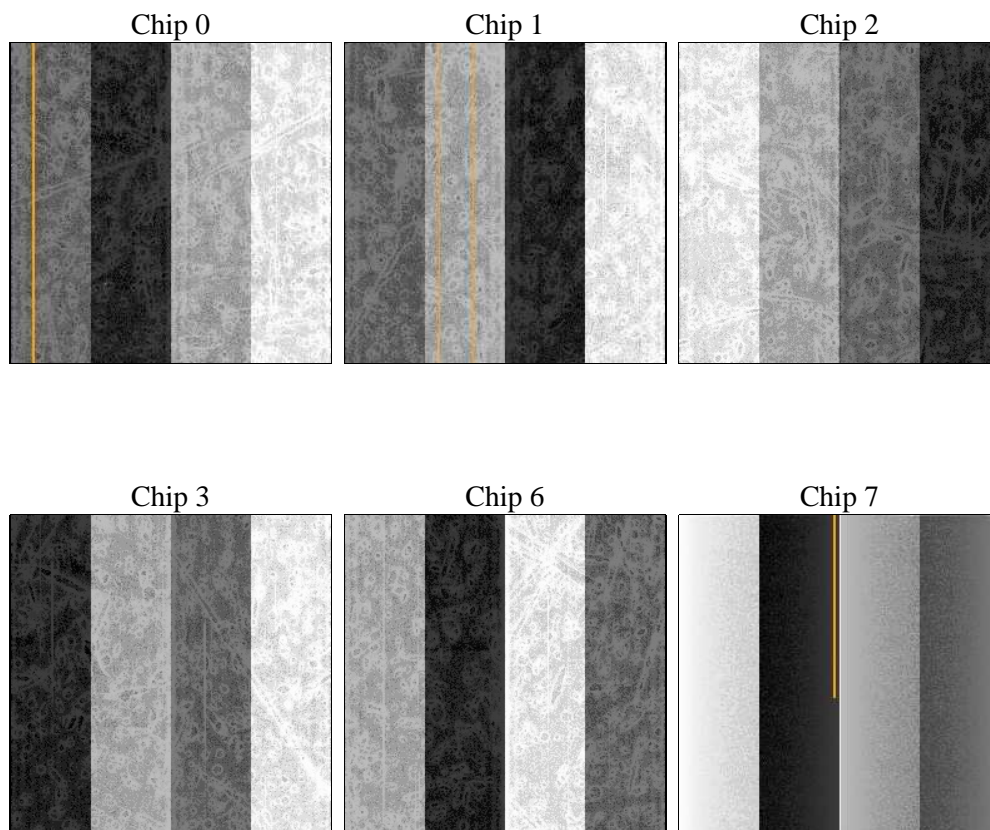
## 2 OBI

### 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	7791.9590669125	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	3271.8533025682	Sum of GTIs [s]
date	2012-10-04T19:18:34	Date and time of file creation	ontime1	3255.6892623305	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3184.4282889962	Sum of GTIs [s]
			ontime3	3154.1189910173	Sum of GTIs [s]
			ontime6	3469.6785268635	Sum of GTIs [s]
			ontime7	7791.9590669125	Sum of GTIs [s]
			l1events	1441234	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	192077	191715	190905	188843	214424	463270	grade 0 events	93617	93344	93050	92085	102945	107711
rejected events	22268	22698	23359	23433	25330	40322		48%	48%	48%	48%	48%	23%
rejected %	11%	11%	12%	12%	11%	8%	grade 1 events	471	542	519	460	549	295
								0%	0%	0%	0%	0%	0%
							grade 2 events	29952	29585	29464	29093	33047	93579
								15%	15%	15%	15%	15%	20%
							grade 3 events	10724	10800	10442	10555	11539	43186
								5%	5%	5%	5%	5%	9%
							grade 4 events	10743	10731	10626	10629	11834	42528
								5%	5%	5%	5%	5%	9%
							grade 5 events	1587	1610	1587	1642	1864	8128
								0%	0%	0%	0%	0%	1%
							grade 6 events	24773	24599	24078	23319	30136	136164
								12%	12%	12%	12%	14%	29%
							grade 7 events	20210	20504	21139	21060	22510	31679
								10%	10%	11%	11%	10%	6%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	181.8929720474378	Alternating exposures requested	N	N
[deg] Pointing Dec	0	3.572243332322943	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	223.0244785078783			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	133867997.051075	133867996.28263			
Observation start date	2002-03-30T09:33:17	2002-03-30T09:33:16			
[s] Observation end time (MET)	133894733.152157	133894732.38371			
Observation end date	2002-03-30T16:58:53	2002-03-30T16:58:52			
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)	2012.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7919590669125

### A.2 Comments