

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60964 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 17 2012

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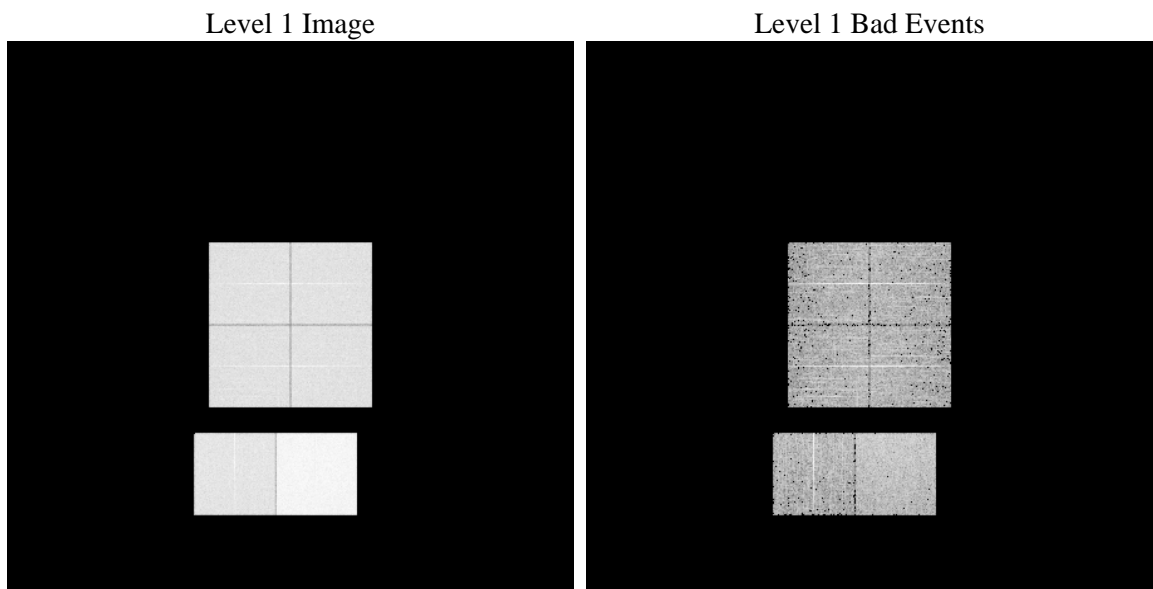
# 1 Front

seq_num	&#160	Sequence number
obs_id	60964	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	352.02086462994	Nominal RA [deg]
dec_nom	13.679819345673	Nominal Dec [deg]
roll_nom	282.25091221253	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7766.3999710679	Sum of GTIs [s]
livetime	7668.0571382696	Livetime [s]
ontime0	3947.3163232207	Sum of GTIs [s]
ontime1	3986.2491460443	Sum of GTIs [s]
ontime2	3765.9016688168	Sum of GTIs [s]
ontime3	3886.9580438435	Sum of GTIs [s]
ontime6	4230.5021536052	Sum of GTIs [s]
ontime7	7766.3999710679	Sum of GTIs [s]
l2events	1206318	Number of level 2 events

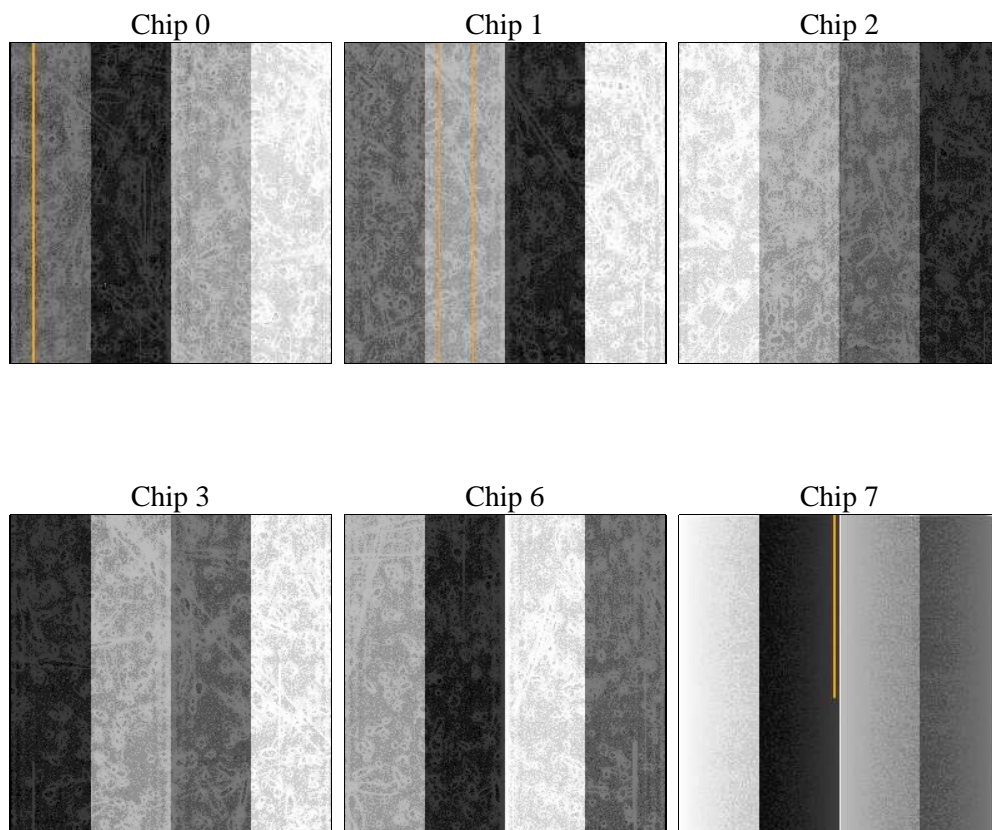
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7766.3999710679	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	3947.3163232207	Sum of GTIs [s]
date	2012-10-17T11:17:23	Date and time of file creation	ontime1	3986.2491460443	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3765.9016688168	Sum of GTIs [s]
			ontime3	3886.9580438435	Sum of GTIs [s]
			ontime6	4230.5021536052	Sum of GTIs [s]
			ontime7	7766.3999710679	Sum of GTIs [s]
			l1events	1426119	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	200335	202723	195995	201103	226075	399888	grade 0 events	97389	98563	95564	99289	108699	91637
rejected events	24429	24683	25958	25380	27019	38074		48%	48%	48%	49%	48%	22%
rejected %	12%	12%	13%	12%	11%	9%	grade 1 events	523	452	509	576	510	245
								0%	0%	0%	0%	0%	0%
							grade 2 events	30477	31244	28715	30129	34486	79940
								15%	15%	14%	14%	15%	19%
							grade 3 events	11345	11314	11331	11152	12329	36683
								5%	5%	5%	5%	5%	9%
							grade 4 events	11307	11229	10803	11372	12258	36549
								5%	5%	5%	5%	5%	9%
							grade 5 events	1696	1747	1595	1874	1971	7524
								0%	0%	0%	0%	0%	1%
							grade 6 events	25388	25690	23624	23935	31443	117140
								12%	12%	12%	11%	13%	29%
							grade 7 events	22210	22484	23854	22776	24379	30170
								11%	11%	12%	11%	10%	7%

## 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	352.0208646299405	Alternating exposures requested	N	N
[deg] Pointing Dec	0	13.67981934567287	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	282.2509122125303			
[mm] SIM focus pos	-0.782348	-1.523540733526241			
[mm] SIM defocus	0	0.009795905878055677			
[mm] SIM translation stage pos	-233.592463	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	153515977.114768	153515976.09004			
Observation start date	2002-11-12T19:19:37	2002-11-12T19:19:36			
[s] Observation end time (MET)	153527696.965256	153527695.94053			
Observation end date	2002-11-12T22:34:57	2002-11-12T22:34:55			
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)	2012.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7663999710679

### **A.2 Comments**