

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 54241 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Oct 15 2012

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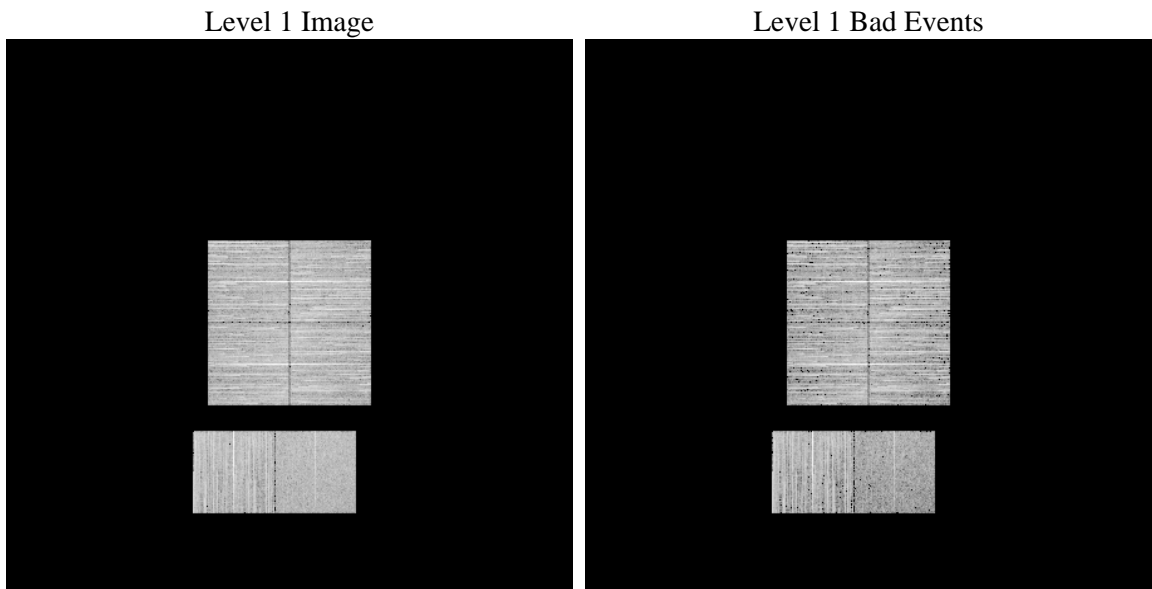
# 1 Front

seq_num	&#160	Sequence number
obs_id	54241	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	28.25464098194	Nominal RA [deg]
dec_nom	-14.302736203077	Nominal Dec [deg]
roll_nom	21.992398990067	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4200.0369544625	Sum of GTIs [s]
livetime	4146.8535575865	Livetime [s]
ontime0	4200.077994585	Sum of GTIs [s]
ontime1	4201.5999844074	Sum of GTIs [s]
ontime2	4201.5999844074	Sum of GTIs [s]
ontime3	4199.9959145784	Sum of GTIs [s]
ontime6	4201.5999844074	Sum of GTIs [s]
ontime7	4200.0369544625	Sum of GTIs [s]
l2events	118668	Number of level 2 events

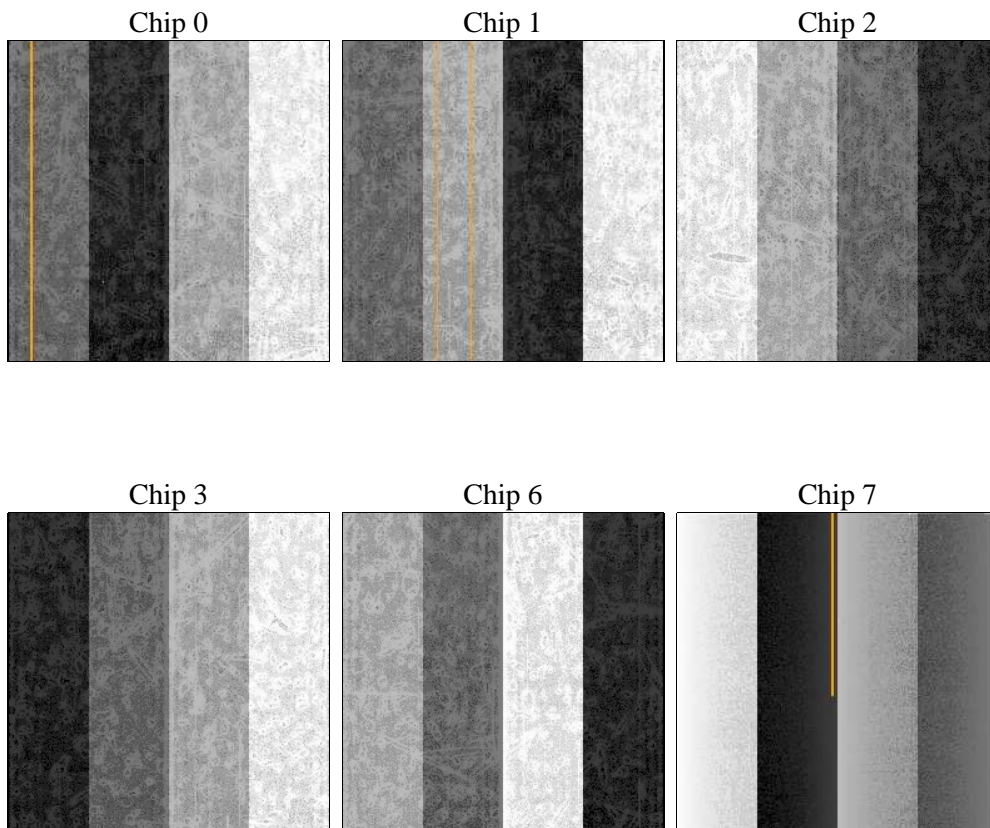
## 2 OBI

### 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	4200.0369544625	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime0	4200.077994585	Sum of GTIs [s]
date	2012-10-15T19:59:44	Date and time of file creation	ontime1	4201.5999844074	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4201.5999844074	Sum of GTIs [s]
			ontime3	4199.9959145784	Sum of GTIs [s]
			ontime6	4201.5999844074	Sum of GTIs [s]
			ontime7	4200.0369544625	Sum of GTIs [s]
			l1events	472178	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	80473	84491	81256	77885	82412	65661	grade 0 events	9588	9144	9818	9695	9464	4796
rejected events	61858	65796	62705	59428	63077	33974		11%	10%	12%	12%	11%	7%
rejected %	76%	77%	77%	76%	76%	51%	grade 1 events	45	41	51	59	29	36
								0%	0%	0%	0%	0%	0%
							grade 2 events	3713	4034	3529	3501	4039	7783
								4%	4%	4%	4%	4%	11%
							grade 3 events	1285	1240	1254	1276	1262	2549
								1%	1%	1%	1%	1%	3%
							grade 4 events	1181	1225	1218	1265	1206	2547
								1%	1%	1%	1%	1%	3%
							grade 5 events	1435	1410	1345	1546	1527	3751
								1%	1%	1%	1%	1%	5%
							grade 6 events	2848	3058	2755	2720	3382	14012
								3%	3%	3%	3%	4%	21%
							grade 7 events	60378	64339	61286	57823	61503	30187
								75%	76%	75%	74%	74%	45%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	28.25464098194003	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-14.30273620307677	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	21.99239899006691	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	466564566.961915	466564565.93692			
Observation start date	2012-10-14T01:16:07	2012-10-14T01:16:05			
[s] Observation end time (MET)	466570233.16222	466570232.13722			
Observation end date	2012-10-14T02:50:33	2012-10-14T02:50:32			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.2000369544625

### A.2 Comments