

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58361 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 26 2012

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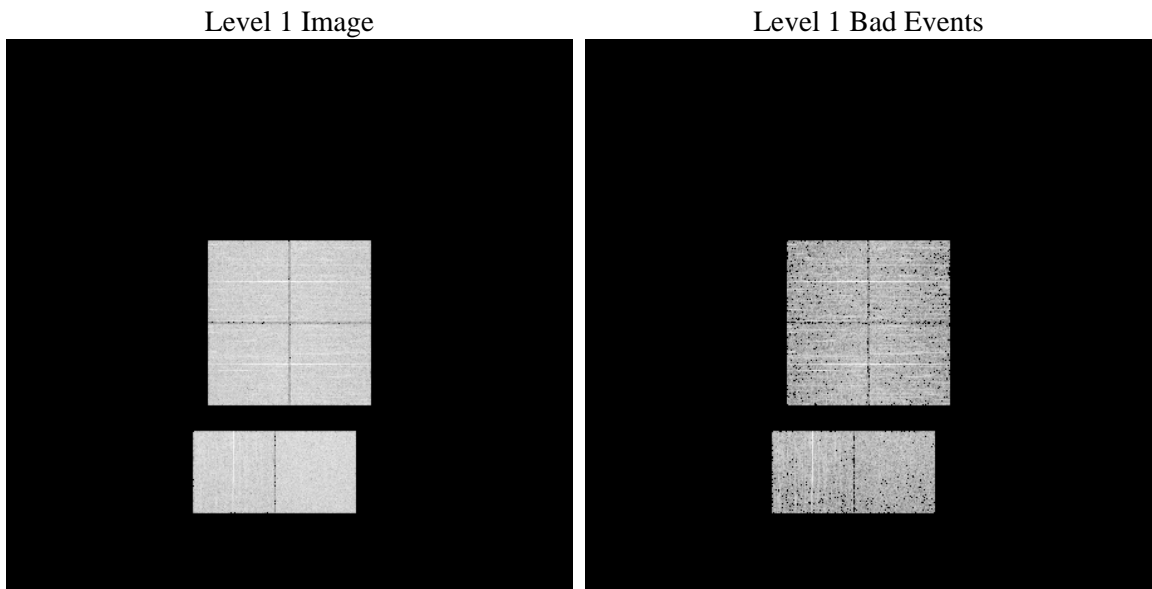
# 1 Front

seq_num	&#160	Sequence number
obs_id	58361	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	263.5357318905	Nominal RA [deg]
dec_nom	-51.982651455715	Nominal Dec [deg]
roll_nom	3.94689029741	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2793.5999896526	Sum of GTIs [s]
livetime	2758.2257444797	Livetime [s]
ontime0	2793.5999896526	Sum of GTIs [s]
ontime1	2793.5999896526	Sum of GTIs [s]
ontime2	2793.5999896526	Sum of GTIs [s]
ontime3	2793.5999896526	Sum of GTIs [s]
ontime6	2793.5999896526	Sum of GTIs [s]
ontime7	2793.5999896526	Sum of GTIs [s]
l2events	247131	Number of level 2 events

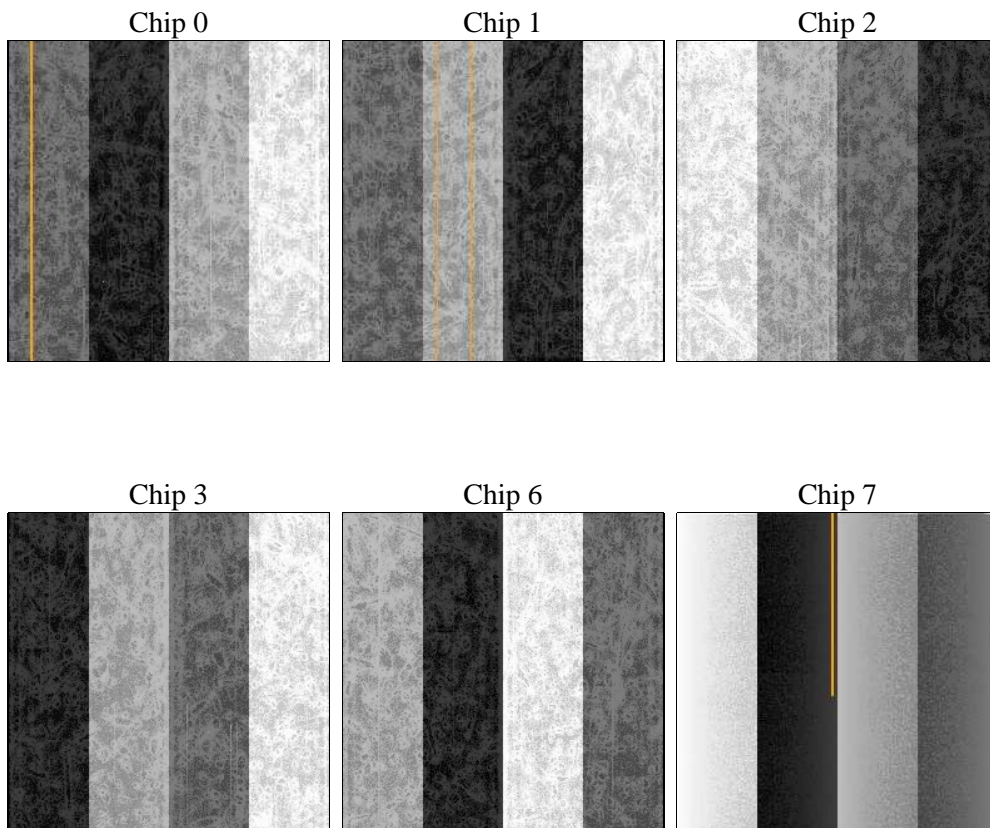
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	2793.5999896526	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime0	2793.5999896526	Sum of GTIs [s]
date	2012-04-26T12:29:08	Date and time of file creation	ontime1	2793.5999896526	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2793.5999896526	Sum of GTIs [s]
			ontime3	2793.5999896526	Sum of GTIs [s]
			ontime6	2793.5999896526	Sum of GTIs [s]
			ontime7	2793.5999896526	Sum of GTIs [s]
			l1events	406640	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	64382	64386	66651	67059	68318	75844	grade 0 events	21982	21759	22880	22764	22874	11419
rejected events	23712	23881	25202	25818	25353	22030		34%	33%	34%	33%	33%	15%
rejected %	36%	37%	37%	38%	37%	29%	grade 1 events	148	143	179	188	123	57
								0%	0%	0%	0%	0%	0%
							grade 2 events	7213	7328	7078	7117	7647	11639
								11%	11%	10%	10%	11%	15%
							grade 3 events	2785	2703	2736	2722	2751	5244
								4%	4%	4%	4%	4%	6%
							grade 4 events	2660	2629	2852	2762	2819	5250
								4%	4%	4%	4%	4%	6%
							grade 5 events	1279	1387	1342	1533	1450	3703
								1%	2%	2%	2%	2%	4%
							grade 6 events	6074	6125	5941	5921	6924	20331
								9%	9%	8%	8%	10%	26%
							grade 7 events	22241	22312	23643	24052	23730	18201
								34%	34%	35%	35%	34%	23%

## 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	263.5357318905037	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-51.98265145571523	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	3.946890297410006			
[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)	298138838.328223	298138837.30322			
Observation start date	2007-06-13T16:20:38	2007-06-13T16:20:37			
[s] Observation end time (MET)	298151536.02883	298151535.00383			
Observation end date	2007-06-13T19:52:16	2007-06-13T19:52:15			
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)	2012.04.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.7935999896526

### A.2 Comments