

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61342 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 1 2012

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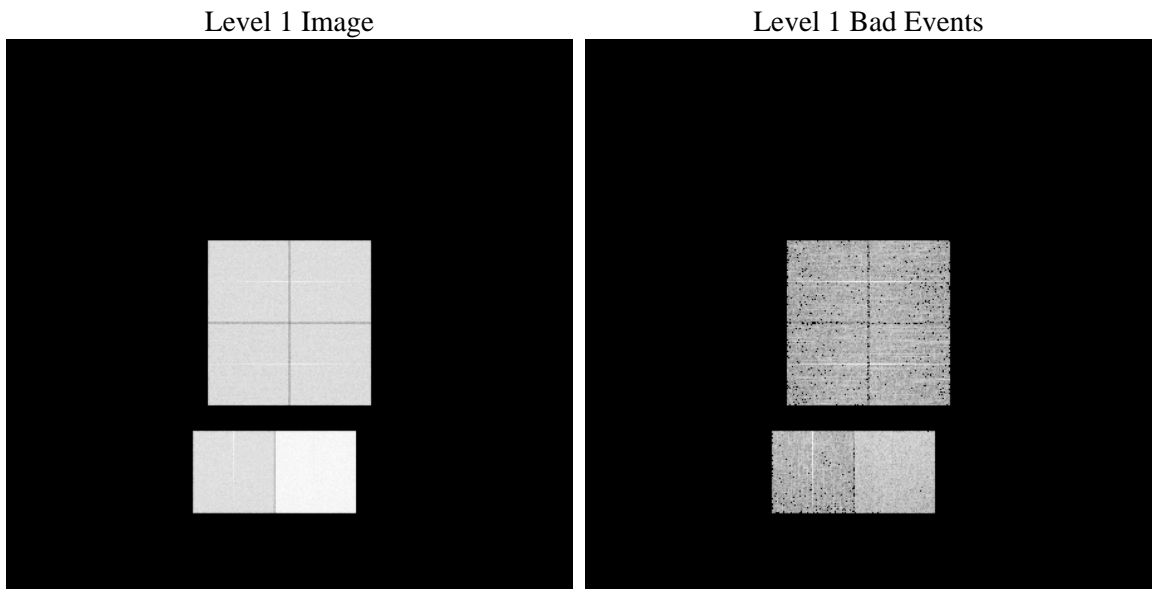
# 1 Front

seq_num	&#160	Sequence number
obs_id	61342	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	168.51450660292	Nominal RA [deg]
dec_nom	71.60957383088	Nominal Dec [deg]
roll_nom	127.7218879568	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8296.3711953312	Sum of GTIs [s]
livetime	8191.3175477809	Livetime [s]
ontime0	3328.5429095477	Sum of GTIs [s]
ontime1	3360.9534289688	Sum of GTIs [s]
ontime2	3100.9563882351	Sum of GTIs [s]
ontime3	3172.9740062952	Sum of GTIs [s]
ontime6	3480.871220842	Sum of GTIs [s]
ontime7	8296.3711953312	Sum of GTIs [s]
l2events	1320216	Number of level 2 events

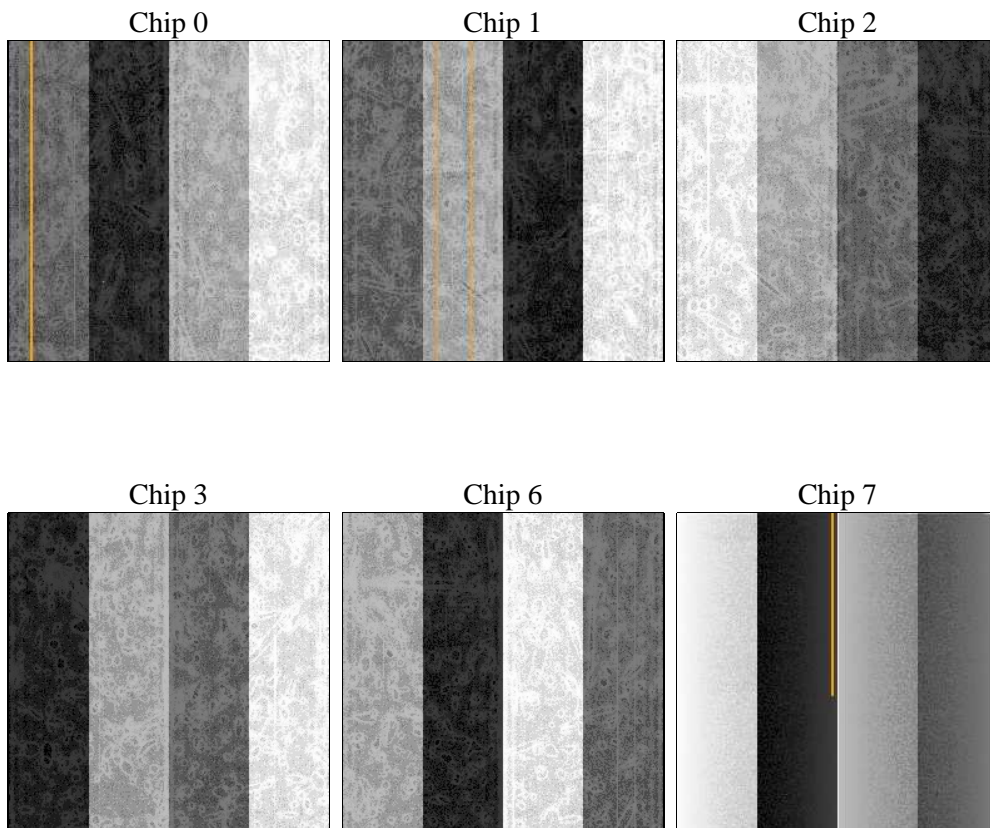
## 2 OBI

### 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	8296.3711953312	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	3328.5429095477	Sum of GTIs [s]
date	2012-10-01T05:07:03	Date and time of file creation	ontime1	3360.9534289688	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3100.9563882351	Sum of GTIs [s]
			ontime3	3172.9740062952	Sum of GTIs [s]
			ontime6	3480.871220842	Sum of GTIs [s]
			ontime7	8296.3711953312	Sum of GTIs [s]
			l1events	1536062	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	202253	206018	193805	199713	222967	511306	grade 0 events	99152	100885	94625	97430	108266	118761
rejected events	22305	22963	23168	25313	24343	42720		49%	48%	48%	48%	48%	23%
rejected %	11%	11%	11%	12%	10%	8%	grade 1 events	504	510	474	497	538	335
								0%	0%	0%	0%	0%	0%
							grade 2 events	31916	32253	29902	30690	34447	103386
								15%	15%	15%	15%	15%	20%
							grade 3 events	11473	11501	10729	10960	12206	47884
								5%	5%	5%	5%	5%	9%
							grade 4 events	11239	11691	10637	11030	12248	47288
								5%	5%	5%	5%	5%	9%
							grade 5 events	1660	1732	1483	1720	1892	8842
								0%	0%	0%	0%	0%	1%
							grade 6 events	26168	26725	24744	24290	31457	151267
								12%	12%	12%	12%	14%	29%
							grade 7 events	20141	20721	21211	23096	21913	33543
								9%	10%	10%	11%	9%	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	168.5145066029182	Alternating exposures requested	N	N
[deg] Pointing Dec	0	71.60957383088017	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	127.7218879567977			
[mm] SIM focus pos	-0.782348	-1.428180813131781			
[mm] SIM defocus	0	0.1051558262725154			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	127963857.412499	127963856.64405			
Observation start date	2002-01-21T01:30:57	2002-01-21T01:30:56			
[s] Observation end time (MET)	127985167.163356	127985166.39491			
Observation end date	2002-01-21T07:26:07	2002-01-21T07:26:06			
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)	2012.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2963711953312

### A.2 Comments