

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60461 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Nov 8 2012

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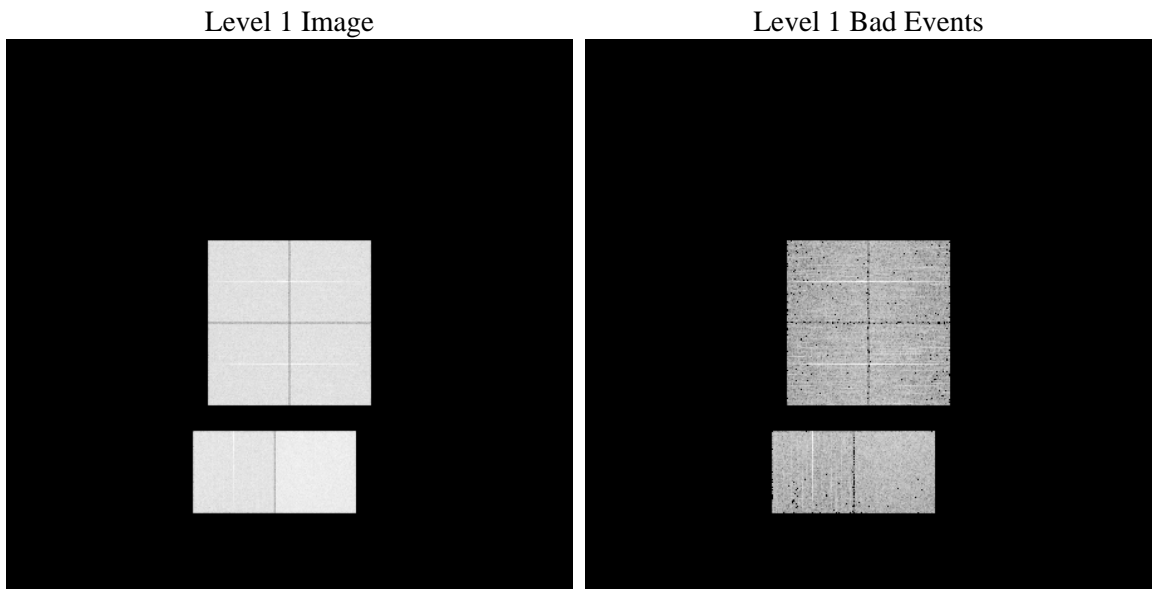
# 1 Front

seq_num	&#160	Sequence number
obs_id	60461	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycycle	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	111.95178635647	Nominal RA [deg]
dec_nom	57.011384526555	Nominal Dec [deg]
roll_nom	123.69767522506	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7807.9999709129	Sum of GTIs [s]
livetime	7709.1303738681	Livetime [s]
ontime0	5341.1037197411	Sum of GTIs [s]
ontime1	5487.4551183581	Sum of GTIs [s]
ontime2	5208.7304749191	Sum of GTIs [s]
ontime3	5289.7550918758	Sum of GTIs [s]
ontime6	5753.1946086287	Sum of GTIs [s]
ontime7	7807.9999709129	Sum of GTIs [s]
l2events	1165432	Number of level 2 events

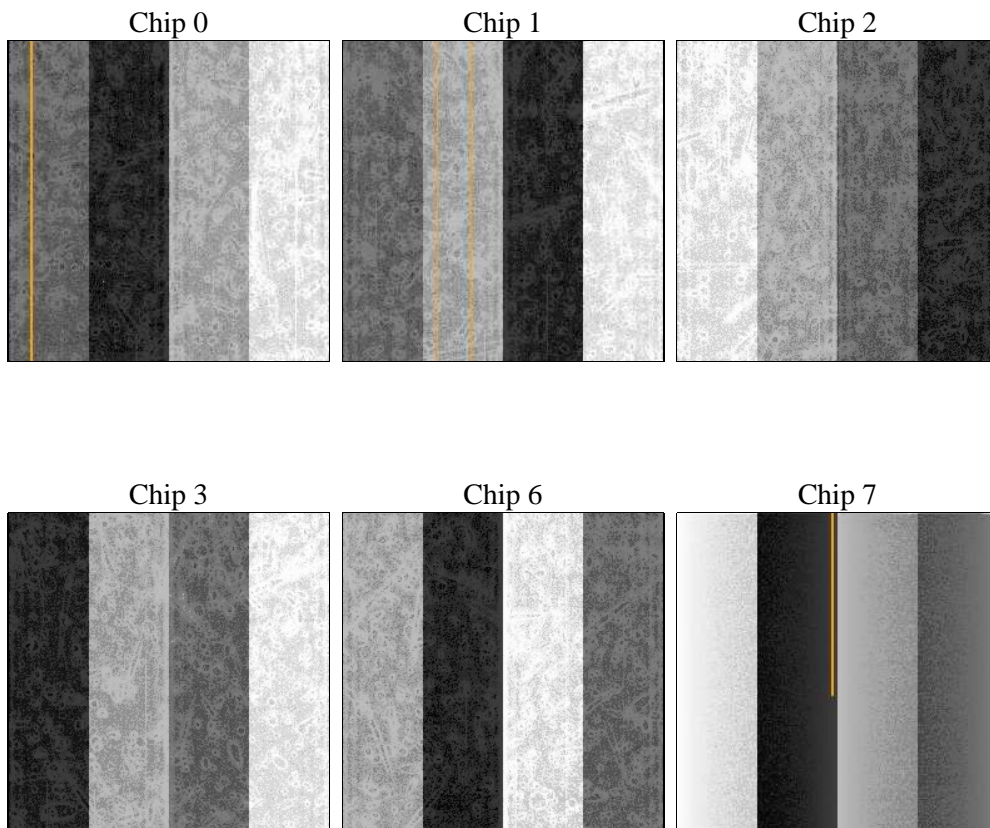
## 2 OBI

### 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	7807.9999709129	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime0	5341.1037197411	Sum of GTIs [s]
date	2012-11-08T14:43:30	Date and time of file creation	ontime1	5487.4551183581	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5208.7304749191	Sum of GTIs [s]
			ontime3	5289.7550918758	Sum of GTIs [s]
			ontime6	5753.1946086287	Sum of GTIs [s]
			ontime7	7807.9999709129	Sum of GTIs [s]
			l1events	1420115	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	211426	217488	211516	217422	240431	321832	grade 0 events	100777	103404	101130	103633	112578	70852
rejected events	29658	30325	32261	34073	34646	38398		47%	47%	47%	47%	46%	22%
rejected %	14%	13%	15%	15%	14%	11%	grade 1 events	484	416	547	545	522	163
								0%	0%	0%	0%	0%	0%
							grade 2 events	31360	33261	30040	31175	35426	62785
								14%	15%	14%	14%	14%	19%
							grade 3 events	11703	11903	11830	11985	12737	28502
								5%	5%	5%	5%	5%	8%
							grade 4 events	11642	11903	11729	11759	12672	28172
								5%	5%	5%	5%	5%	8%
							grade 5 events	2098	2127	2012	2267	2461	7164
								0%	0%	0%	1%	1%	2%
							grade 6 events	26286	26796	24631	24907	32499	93236
								12%	12%	11%	11%	13%	28%
							grade 7 events	27076	27678	29597	31151	31536	30958
								12%	12%	13%	14%	13%	9%

## 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	111.9517863564683	Alternating exposures requested	N	N
[deg] Pointing Dec	0	57.0113845265553	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	123.6976752250585			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	187101749.689568	187101748.66485			
Observation start date	2003-12-06T12:42:30	2003-12-06T12:42:28			
[s] Observation end time (MET)	187140648.441255	187140647.41653			
Observation end date	2003-12-06T23:30:48	2003-12-06T23:30:47			
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)	2012.12.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8079999709129

## A.2 Comments