

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58546 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 19 2012

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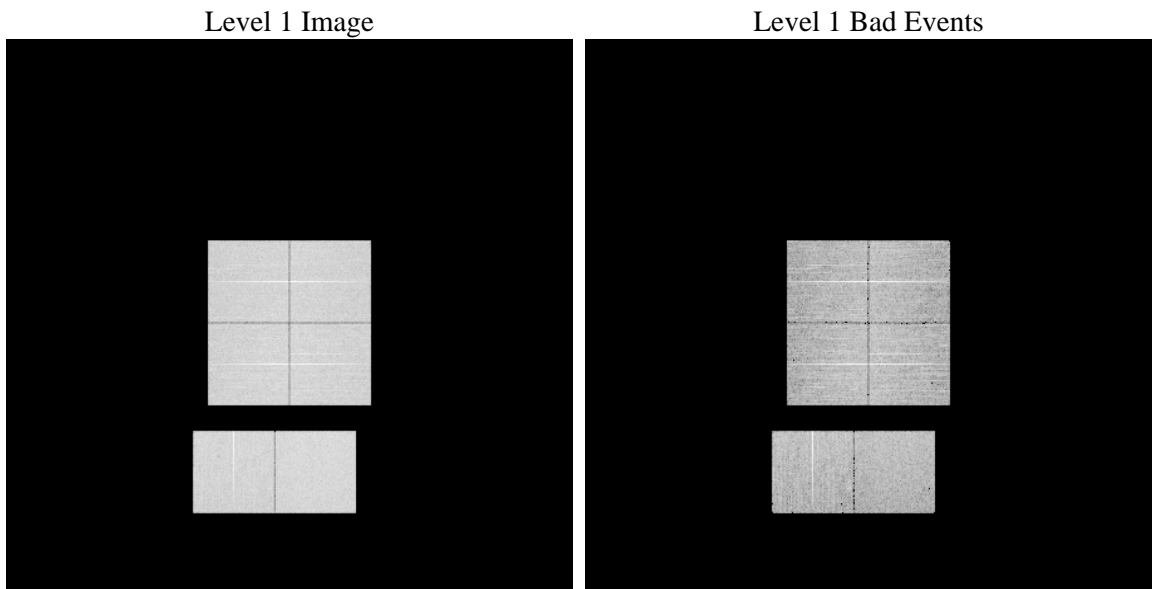
# 1 Front

seq_num	&#160	Sequence number
obs_id	58546	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	160.96620228932	Nominal RA [deg]
dec_nom	36.50923988242	Nominal Dec [deg]
roll_nom	128.38357176519	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6601.5999754667	Sum of GTIs [s]
livetime	6518.0065415711	Livetime [s]
ontime0	6601.5999754667	Sum of GTIs [s]
ontime1	6601.5999754667	Sum of GTIs [s]
ontime2	6601.5999754667	Sum of GTIs [s]
ontime3	6601.5999754667	Sum of GTIs [s]
ontime6	6601.5999754667	Sum of GTIs [s]
ontime7	6601.5999754667	Sum of GTIs [s]
l2events	627681	Number of level 2 events

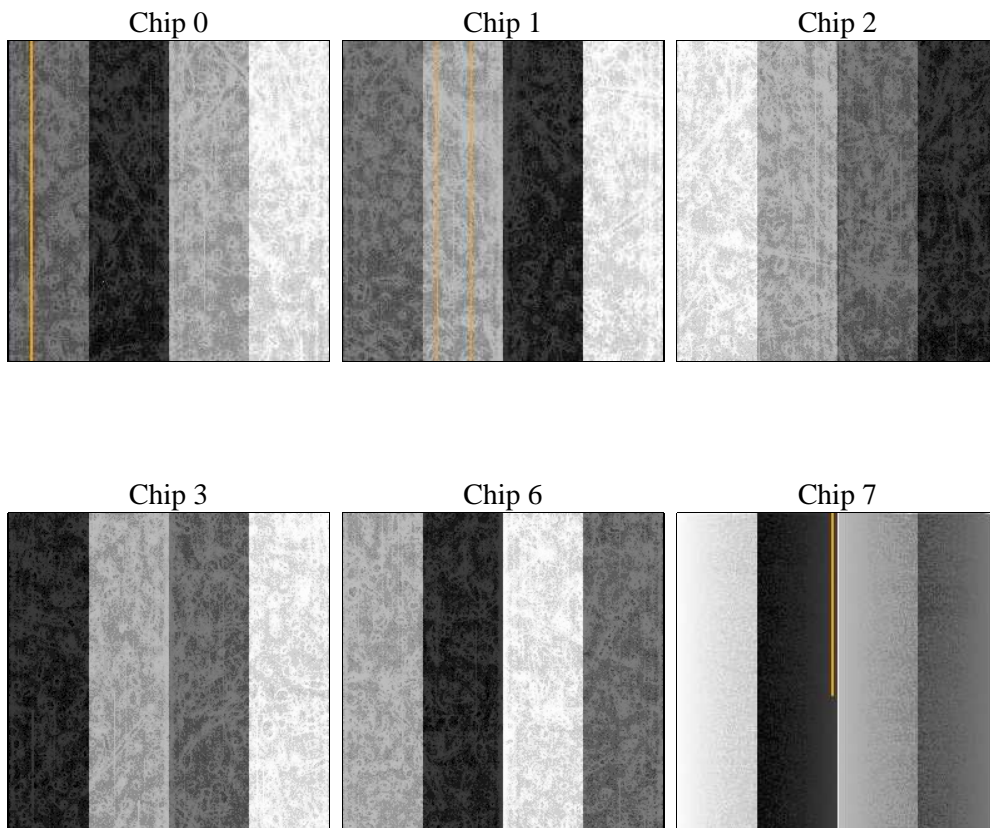
## 2 OBI

### 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	6601.5999754667	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	6601.5999754667	Sum of GTIs [s]
date	2012-04-19T15:26:13	Date and time of file creation	ontime1	6601.5999754667	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	6601.5999754667	Sum of GTIs [s]
			ontime3	6601.5999754667	Sum of GTIs [s]
			ontime6	6601.5999754667	Sum of GTIs [s]
			ontime7	6601.5999754667	Sum of GTIs [s]
			l1events	995828	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	157751	159276	163577	165004	167935	182285	grade 0 events	57919	57884	59663	59270	59567	28686
rejected events	53223	53987	57478	59403	58316	51984		36%	36%	36%	35%	35%	15%
rejected %	33%	33%	35%	36%	34%	28%	grade 1 events	349	335	438	434	360	123
								0%	0%	0%	0%	0%	0%
							grade 2 events	18765	19292	18391	18449	19404	28814
								11%	12%	11%	11%	11%	15%
							grade 3 events	7029	6866	7032	7196	7021	12681
								4%	4%	4%	4%	4%	6%
							grade 4 events	6963	6945	7332	7222	7151	12716
								4%	4%	4%	4%	4%	6%
							grade 5 events	3167	3225	2938	3507	3354	8447
								2%	2%	1%	2%	1%	4%
							grade 6 events	15577	16142	15431	15228	18371	49735
								9%	10%	9%	9%	10%	27%
							grade 7 events	47982	48587	52352	53698	52707	41083
								30%	30%	32%	32%	31%	22%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	160.9662022893192
[deg] Pointing Dec	0	36.50923988242013
[deg] Pointing Roll	0.0	128.3835717651864
[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)	286984248.646684	286984247.62169
Observation start date	2007-02-04T13:50:49	2007-02-04T13:50:47
[s] Observation end time (MET)	287003998.347621	287003997.32263
Observation end date	2007-02-04T19:19:58	2007-02-04T19:19:57
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.6015999754667

### A.2 Comments