

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 60599 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Mar 1 2013

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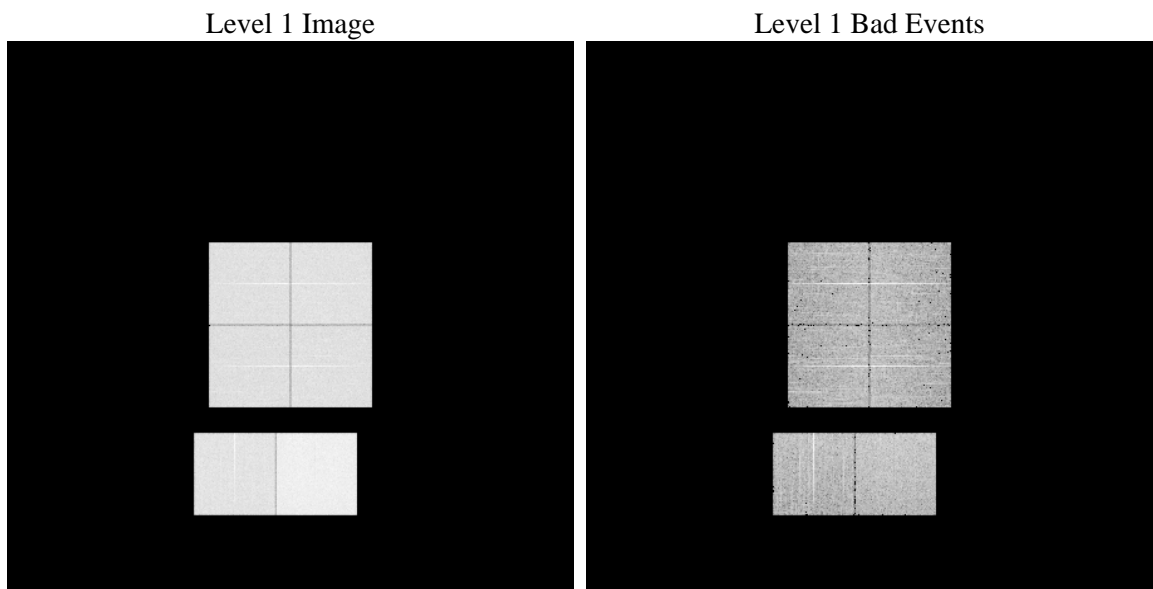
# 1 Front

seq_num	&#160	Sequence number
obs_id	60599	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	21.979908900202	Nominal RA [deg]
dec_nom	-39.975872472569	Nominal Dec [deg]
roll_nom	89.665263587008	Nominal Roll [deg]
revision	4	Processing version of data
ontime	8370.9862456024	Sum of GTIs [s]
livetime	8264.9877773578	Livetime [s]
ontime0	5240.7325324714	Sum of GTIs [s]
ontime1	5418.3790851831	Sum of GTIs [s]
ontime2	4958.1182152629	Sum of GTIs [s]
ontime3	5127.2973070145	Sum of GTIs [s]
ontime6	5568.0709484518	Sum of GTIs [s]
ontime7	8370.9862456024	Sum of GTIs [s]
l2events	1239316	Number of level 2 events

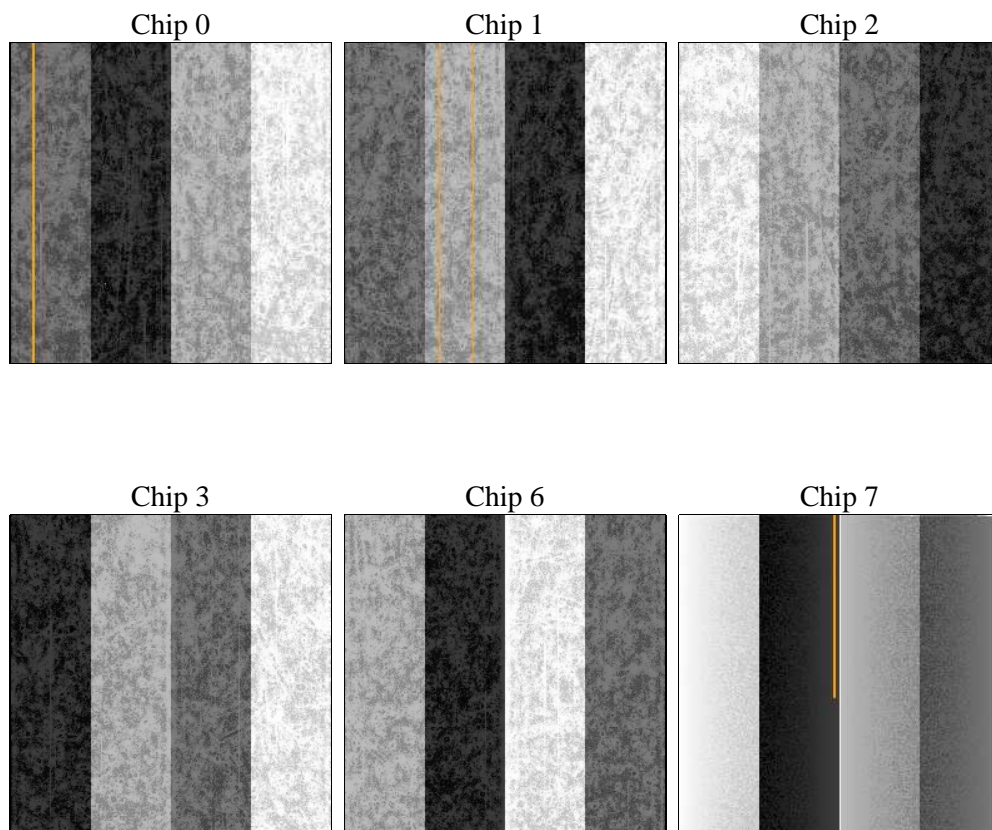
## 2 OBI

### 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	8.5.1.1	Processing system revision	ontime	8370.9862456024	Sum of GTIs [s]
caldbver	4.5.6	&#160	ontime0	5240.7325324714	Sum of GTIs [s]
date	2013-03-01T20:11:34	Date and time of file creation	ontime1	5418.3790851831	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	4958.1182152629	Sum of GTIs [s]
			ontime3	5127.2973070145	Sum of GTIs [s]
			ontime6	5568.0709484518	Sum of GTIs [s]
			ontime7	8370.9862456024	Sum of GTIs [s]
			l1events	1534595	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	227381	235788	219051	227206	252328	372841	grade 0 events	107605	109566	104881	109735	113842	77935
rejected events	35824	36845	37094	36987	41286	48808		47%	46%	47%	48%	45%	20%
rejected %	15%	15%	16%	16%	16%	13%	grade 1 events	546	431	581	610	477	209
								0%	0%	0%	0%	0%	0%
							grade 2 events	32827	36936	29024	31147	39371	72838
								14%	15%	13%	13%	15%	19%
							grade 3 events	12411	12261	11831	12323	12471	32168
								5%	5%	5%	5%	4%	8%
							grade 4 events	12389	12348	11941	12498	12497	31561
								5%	5%	5%	5%	4%	8%
							grade 5 events	2197	2368	2075	2371	2578	8338
								0%	1%	0%	1%	1%	2%
							grade 6 events	27911	29510	25635	25828	34521	112354
								12%	12%	11%	11%	13%	30%
							grade 7 events	31495	32368	33083	32694	36571	37438
								13%	13%	15%	14%	14%	10%

## 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	21.97990890020225	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-39.97587247256941	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	89.66526358700821			
[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)	176399183.029172	176399182.00447			
Observation start date	2003-08-04T15:46:23	2003-08-04T15:46:22			
[s] Observation end time (MET)	176422456.680164	176422455.65547			
Observation end date	2003-08-04T22:14:17	2003-08-04T22:14:15			
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)	2013.03.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3709862456024

### A.2 Comments