

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61258 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 4 2012

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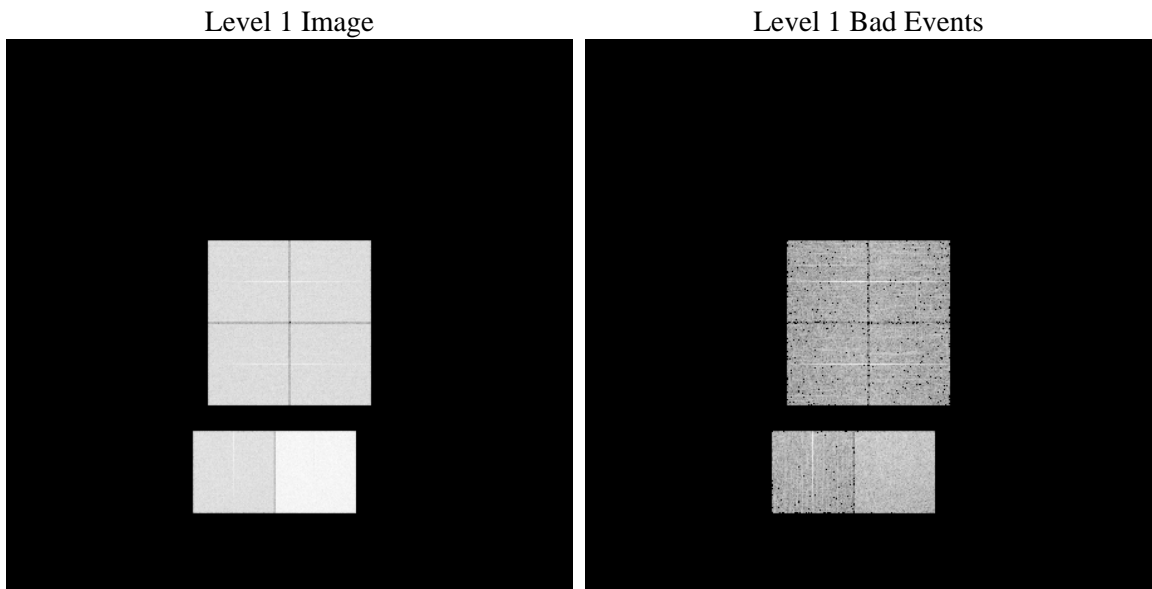
# 1 Front

seq_num	&#160	Sequence number
obs_id	61258	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	181.97518761528	Nominal RA [deg]
dec_nom	12.984663361323	Nominal Dec [deg]
roll_nom	179.54644388929	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8406.4000078142	Sum of GTIs [s]
livetime	8299.9531091888	Livetime [s]
ontime0	3505.9757732302	Sum of GTIs [s]
ontime1	3574.1055881679	Sum of GTIs [s]
ontime2	3389.3667271286	Sum of GTIs [s]
ontime3	3424.8678428531	Sum of GTIs [s]
ontime6	3664.853083849	Sum of GTIs [s]
ontime7	8406.4000078142	Sum of GTIs [s]
l2events	1331067	Number of level 2 events

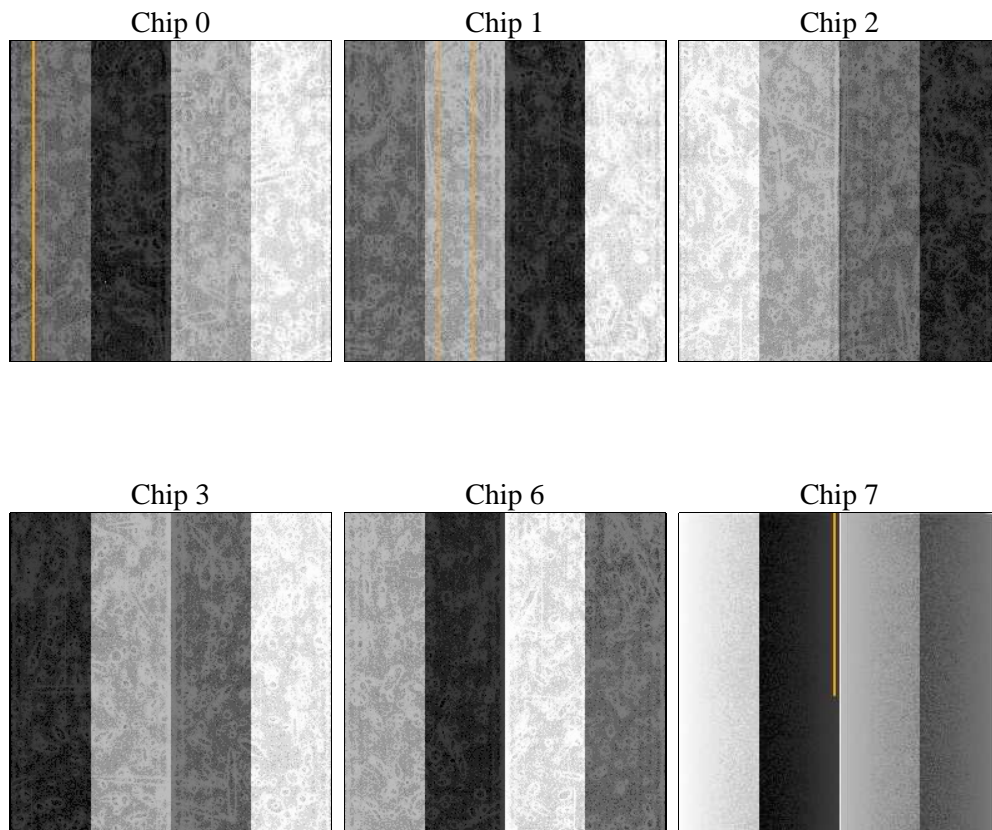
## 2 OBI

### 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	8406.4000078142	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime0	3505.9757732302	Sum of GTIs [s]
date	2012-10-04T11:48:10	Date and time of file creation	ontime1	3574.1055881679	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3389.3667271286	Sum of GTIs [s]
			ontime3	3424.8678428531	Sum of GTIs [s]
			ontime6	3664.853083849	Sum of GTIs [s]
			ontime7	8406.4000078142	Sum of GTIs [s]
			l1events	1563854	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	208627	212985	203968	207000	229602	501672	grade 0 events	101955	103691	100153	102254	110860	116026
rejected events	25031	25801	25072	25667	28250	46434		48%	48%	49%	49%	48%	23%
rejected %	11%	12%	12%	12%	12%	9%	grade 1 events	528	467	483	504	567	338
								0%	0%	0%	0%	0%	0%
							grade 2 events	32707	33526	31894	31898	35143	101544
								15%	15%	15%	15%	15%	20%
							grade 3 events	11679	11980	11240	11514	12404	46228
								5%	5%	5%	5%	5%	9%
							grade 4 events	11598	12032	11383	11545	12521	46394
								5%	5%	5%	5%	5%	9%
							grade 5 events	1718	1771	1608	1721	1975	8681
								0%	0%	0%	0%	0%	1%
							grade 6 events	26828	27494	25742	25454	32203	148375
								12%	12%	12%	12%	14%	29%
							grade 7 events	21614	22024	21465	22110	23929	34086
								10%	10%	10%	10%	10%	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	181.9751876152768	Alternating exposures requested	N	N
[deg] Pointing Dec	0	12.98466336132262	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	179.5464438892922			
[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)	133217913.324763	133217912.55628			
Observation start date	2002-03-22T20:58:33	2002-03-22T20:58:32			
[s] Observation end time (MET)	133240440.775677	133240440.0072			
Observation end date	2002-03-23T03:14:01	2002-03-23T03:14:00			
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)	2012.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4064000078142

## A.2 Comments