

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61742 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Sep 16 2012

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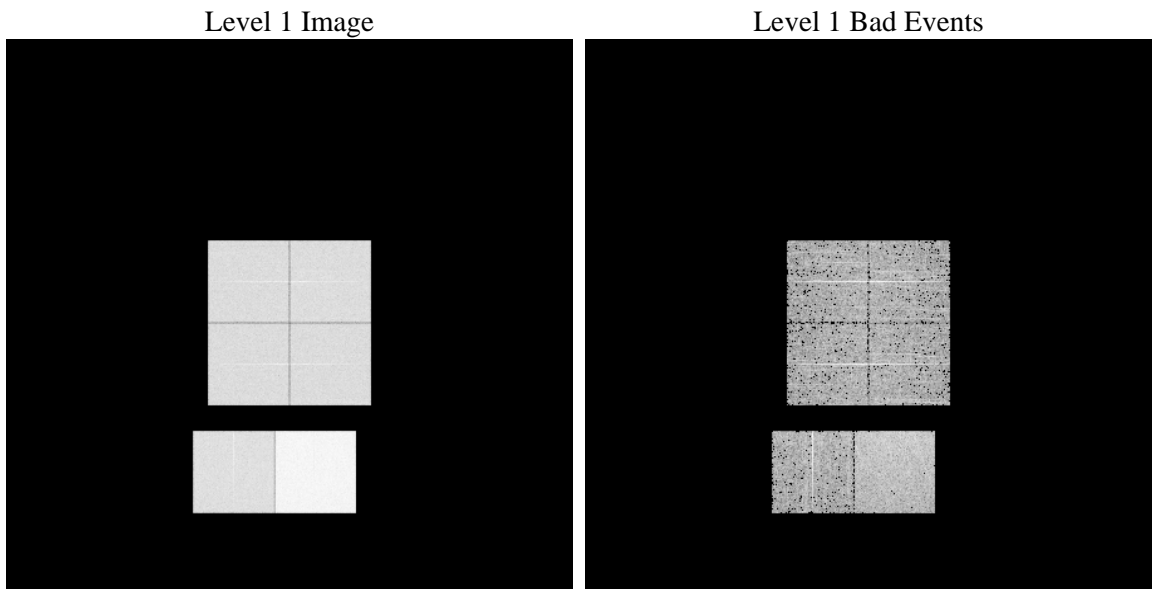
# 1 Front

seq_num	&#160	Sequence number
obs_id	61742	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	51.741503889459	Nominal RA [deg]
dec_nom	12.82045065324	Nominal Dec [deg]
roll_nom	284.40246782103	Nominal Roll [deg]
revision	4	Processing version of data
ontime	6462.550136447	Sum of GTIs [s]
livetime	6380.7174353387	Livetime [s]
ontime0	2680.275579989	Sum of GTIs [s]
ontime1	2732.1939611584	Sum of GTIs [s]
ontime2	2609.034780398	Sum of GTIs [s]
ontime3	2612.2759998888	Sum of GTIs [s]
ontime6	2864.8910416216	Sum of GTIs [s]
ontime7	6462.550136447	Sum of GTIs [s]
l2events	1349500	Number of level 2 events

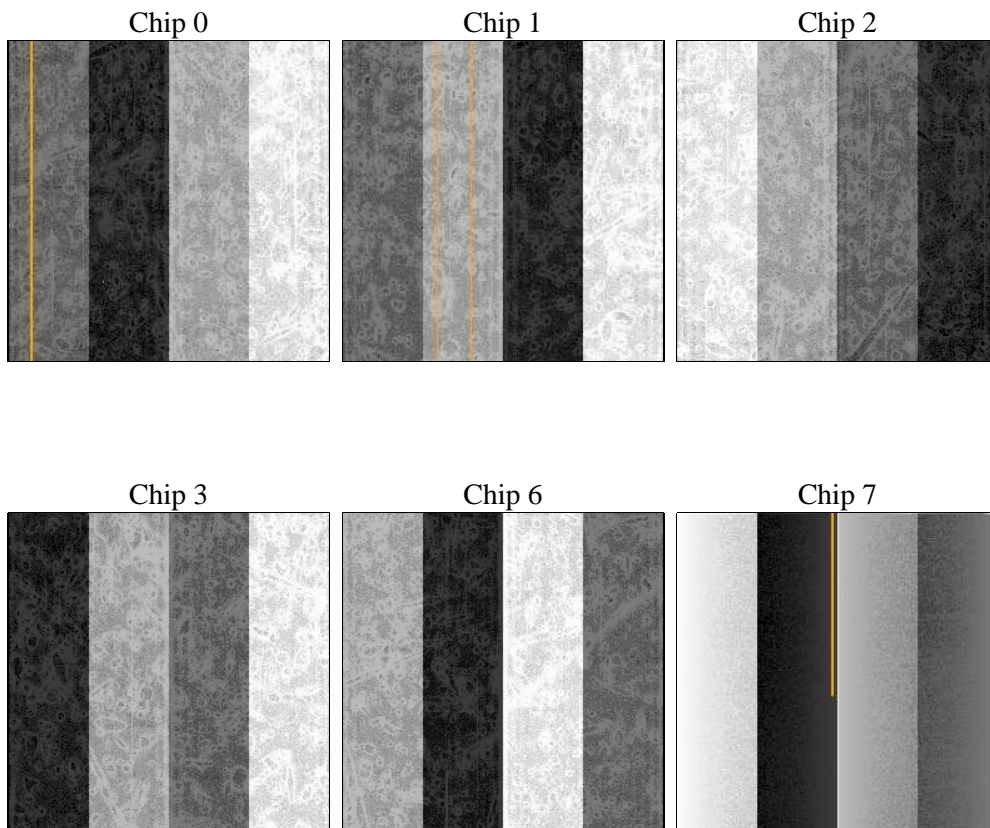
## 2 OBI

### 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	6462.550136447	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime0	2680.275579989	Sum of GTIs [s]
date	2012-09-16T09:32:17	Date and time of file creation	ontime1	2732.1939611584	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	2609.034780398	Sum of GTIs [s]
			ontime3	2612.2759998888	Sum of GTIs [s]
			ontime6	2864.8910416216	Sum of GTIs [s]
			ontime7	6462.550136447	Sum of GTIs [s]
			l1events	1542611	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	203940	209511	202896	203146	228736	494382	grade 0 events	101251	104433	101906	101665	113561	118274
rejected events	19884	20584	20068	20862	20951	33481		49%	49%	50%	50%	49%	23%
rejected %	9%	9%	9%	10%	9%	6%	grade 1 events	530	538	531	516	544	339
								0%	0%	0%	0%	0%	0%
							grade 2 events	32416	33153	32044	32098	35733	102240
								15%	15%	15%	15%	15%	20%
							grade 3 events	11713	11966	11373	11503	12687	47091
								5%	5%	5%	5%	5%	9%
							grade 4 events	11649	11738	11499	11634	12903	46888
								5%	5%	5%	5%	5%	9%
							grade 5 events	1463	1646	1439	1570	1646	7264
								0%	0%	0%	0%	0%	1%
							grade 6 events	27027	27637	26006	25384	32901	146408
								13%	13%	12%	12%	14%	29%
							grade 7 events	17891	18400	18098	18776	18761	25878
								8%	8%	8%	9%	8%	5%

## 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	51.74150388945935
[deg] Pointing Dec	0	12.82045065324039
[deg] Pointing Roll	0.0	284.4024678210324
[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)	98256984.39419299	98256983.625715
Observation start date	2001-02-11T05:36:24	2001-02-11T05:36:23
[s] Observation end time (MET)	98280922.245121	98280921.476634
Observation end date	2001-02-11T12:15:22	2001-02-11T12:15:21
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.462550136447

### A.2 Comments