

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61685 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 14 2012

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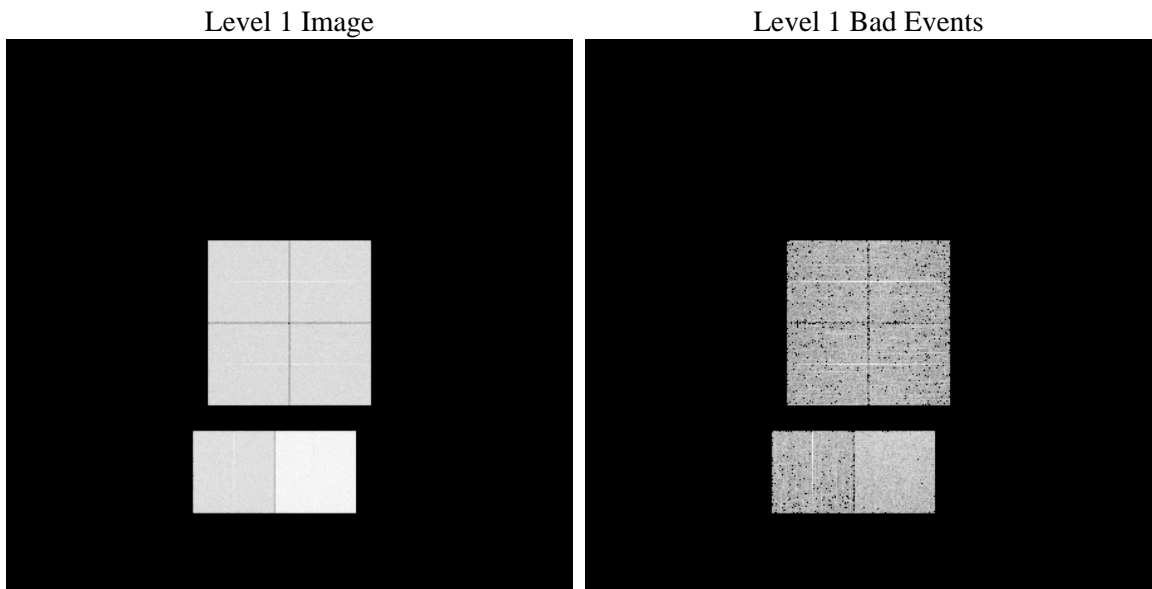
# 1 Front

seq_num	&#160	Sequence number
obs_id	61685	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	90.015056317129	Nominal RA [deg]
dec_nom	-32.025745342728	Nominal Dec [deg]
roll_nom	263.71531992428	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6607.3375016153	Sum of GTIs [s]
livetime	6523.6714157088	Livetime [s]
ontime0	2711.5978007019	Sum of GTIs [s]
ontime1	2795.9057605267	Sum of GTIs [s]
ontime2	2620.9308006912	Sum of GTIs [s]
ontime3	2643.4543890357	Sum of GTIs [s]
ontime6	2909.3741839975	Sum of GTIs [s]
ontime7	6607.3375016153	Sum of GTIs [s]
l2events	1337204	Number of level 2 events

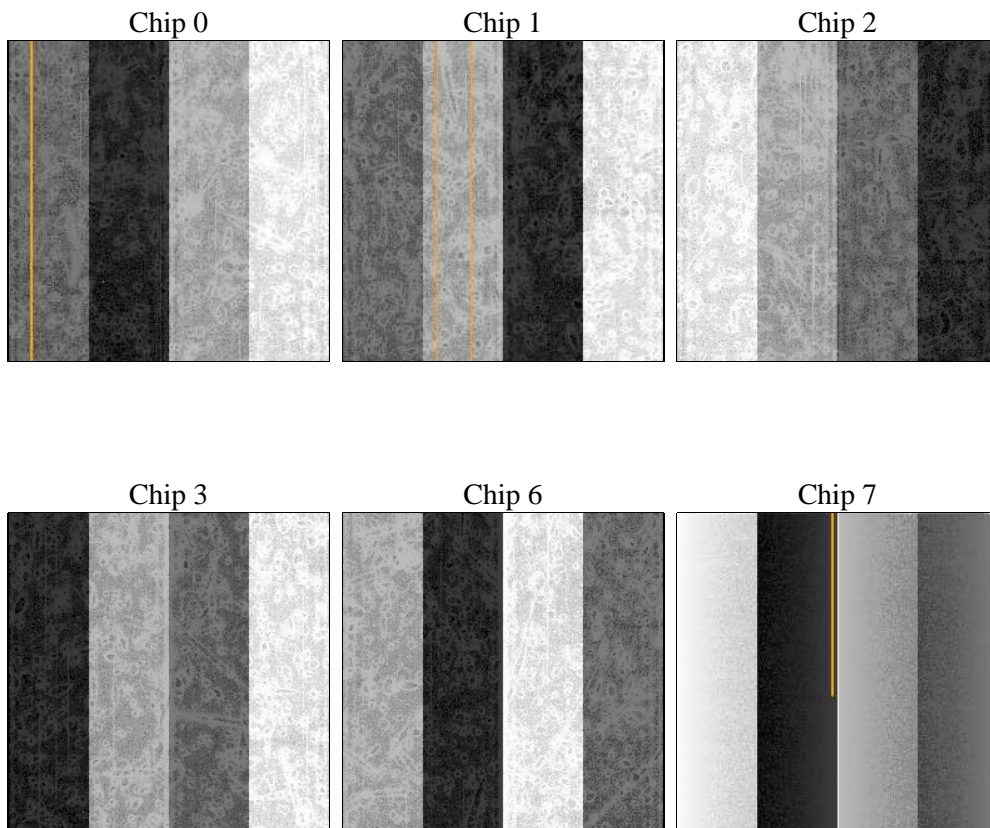
## 2 OBI

### 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	6607.3375016153	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	2711.5978007019	Sum of GTIs [s]
date	2012-09-14T20:45:56	Date and time of file creation	ontime1	2795.9057605267	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2620.9308006912	Sum of GTIs [s]
			ontime3	2643.4543890357	Sum of GTIs [s]
			ontime6	2909.3741839975	Sum of GTIs [s]
			ontime7	6607.3375016153	Sum of GTIs [s]
			l1events	1534799	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	202046	209324	199346	202043	228740	493300	grade 0 events	100891	104534	99880	100781	112557	116776
rejected events	20305	20732	21034	21924	22525	34616		49%	49%	50%	49%	49%	23%
rejected %	10%	9%	10%	10%	9%	7%	grade 1 events	526	526	549	577	530	334
								0%	0%	0%	0%	0%	0%
							grade 2 events	31808	32851	31144	31584	35677	101423
								15%	15%	15%	15%	15%	20%
							grade 3 events	11584	12000	11081	11396	12609	46750
								5%	5%	5%	5%	5%	9%
							grade 4 events	11441	11805	11073	11338	12723	46299
								5%	5%	5%	5%	5%	9%
							grade 5 events	1507	1552	1487	1526	1855	7257
								0%	0%	0%	0%	0%	1%
							grade 6 events	26461	27620	25564	25249	32868	148110
								13%	13%	12%	12%	14%	30%
							grade 7 events	17828	18436	18568	19592	19921	26351
								8%	8%	9%	9%	8%	5%

## 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	90.01505631712925	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-32.02574534272796	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	263.7153199242761			
[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)	102154985.745	102154984.9763			
Observation start date	2001-03-28T08:23:06	2001-03-28T08:23:04			
[s] Observation end time (MET)	102165496.095	102165495.32671			
Observation end date	2001-03-28T11:18:16	2001-03-28T11:18:15			
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)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.6073375016153

### A.2 Comments