

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58412 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Apr 24 2012

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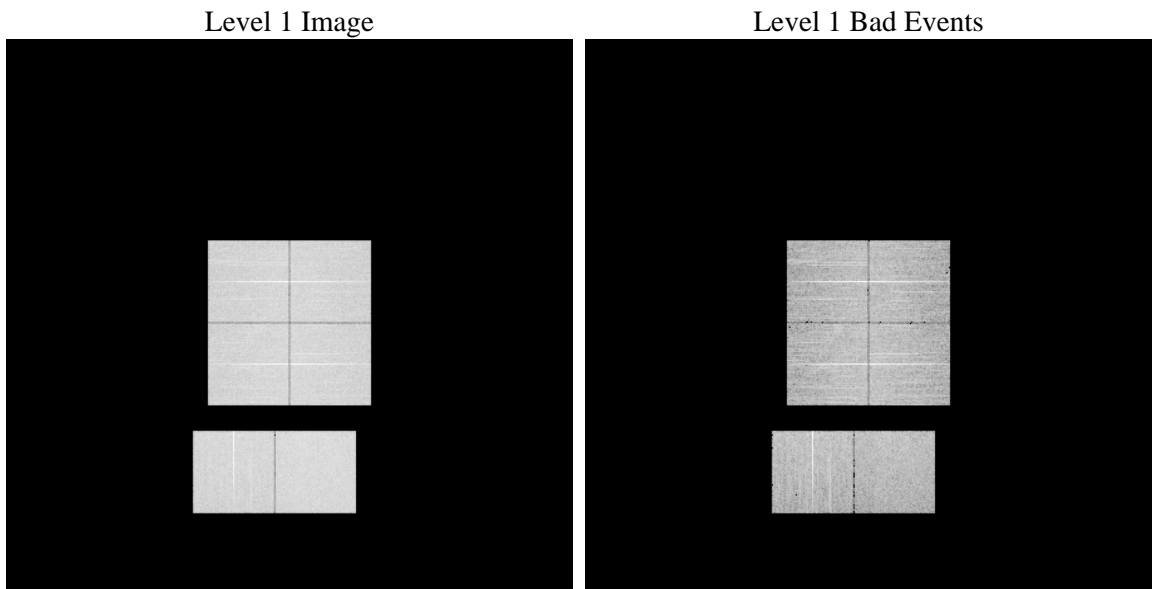
# 1 Front

seq_num	&#160	Sequence number
obs_id	58412	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	38.368925916256	Nominal RA [deg]
dec_nom	69.715960834761	Nominal Dec [deg]
roll_nom	0.87987497494686	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7769.2133648396	Sum of GTIs [s]
livetime	7670.8349071553	Livetime [s]
ontime0	7769.1723248363	Sum of GTIs [s]
ontime1	7769.131284833	Sum of GTIs [s]
ontime2	7765.8492745161	Sum of GTIs [s]
ontime3	7769.2544048429	Sum of GTIs [s]
ontime6	7769.0492048264	Sum of GTIs [s]
ontime7	7769.2133648396	Sum of GTIs [s]
l2events	702430	Number of level 2 events

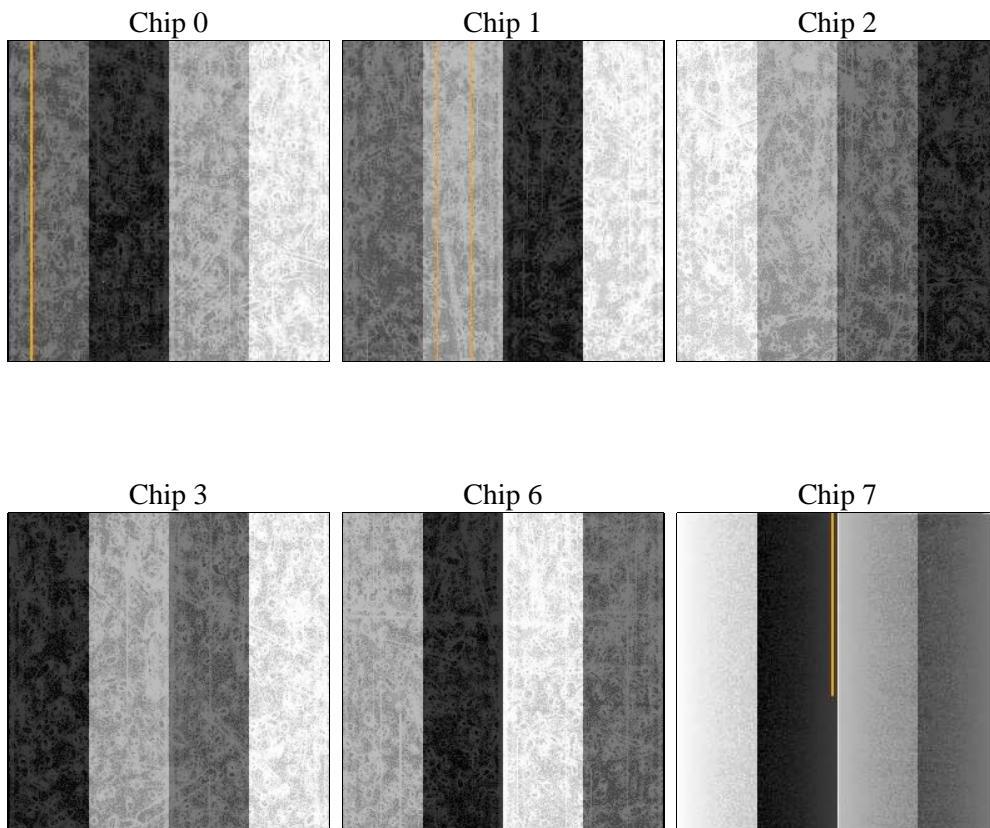
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	6360	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7769.2133648396	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	7769.1723248363	Sum of GTIs [s]
date	2012-04-24T09:20:50	Date and time of file creation	ontime1	7769.131284833	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7765.8492745161	Sum of GTIs [s]
			ontime3	7769.2544048429	Sum of GTIs [s]
			ontime6	7769.0492048264	Sum of GTIs [s]
			ontime7	7769.2133648396	Sum of GTIs [s]
			l1events	1140801	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	181915	180204	188714	189239	191760	208969	grade 0 events	63168	63133	65486	65334	65566	31602
rejected events	65368	63035	71131	71118	69492	60117		34%	35%	34%	34%	34%	15%
rejected %	35%	34%	37%	37%	36%	28%	grade 1 events	432	387	493	477	377	161
								0%	0%	0%	0%	0%	0%
							grade 2 events	21076	21288	20143	20625	21530	32544
								11%	11%	10%	10%	11%	15%
							grade 3 events	7636	7751	7680	7942	7932	14516
								4%	4%	4%	4%	4%	6%
							grade 4 events	7543	7661	7818	7863	7781	14223
								4%	4%	4%	4%	4%	6%
							grade 5 events	3564	3851	3480	3977	4075	9938
								1%	2%	1%	2%	2%	4%
							grade 6 events	17552	17783	16893	16776	19911	56542
								9%	9%	8%	8%	10%	27%
							grade 7 events	60944	58350	66721	66245	64588	49443
								33%	32%	35%	35%	33%	23%

## 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	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	38.36860869985193	38.36892591625579	Subarray requested	NONE	NONE
[deg] Pointing Dec	69.71590337114911	69.71596083476066	Alternating exposures requested	N	N
[deg] Pointing Roll	0.8801724948096488	0.8798749749468562	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673			
[mm] SIM defocus	0.7524282194390134	0.7524282194390134			
[mm] SIM translation stage pos	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	294479809.553448	294479809.553448			
Observation start date	2007-05-02T08:28:00	2007-05-02T07:56:49			
[s] Observation end time (MET)	294489327.772702	294489327.772702			
Observation end date	2007-05-02T10:14:00	2007-05-02T10:35:27			
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)	2012.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7692133648396

### A.2 Comments