

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58456 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 22 2012

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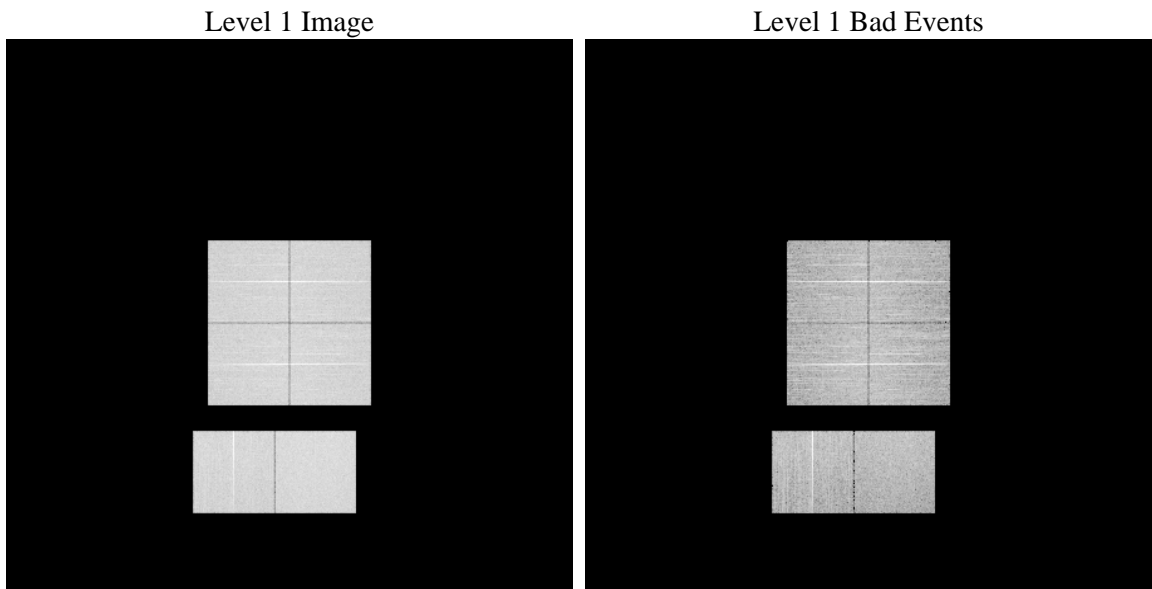
# 1 Front

seq_num	&#160	Sequence number
obs_id	58456	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	199.01799182153	Nominal RA [deg]
dec_nom	-29.975865856471	Nominal Dec [deg]
roll_nom	24.254894364597	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8271.999969244	Sum of GTIs [s]
livetime	8167.254924833	Livetime [s]
ontime0	8271.999969244	Sum of GTIs [s]
ontime1	8271.999969244	Sum of GTIs [s]
ontime2	8271.999969244	Sum of GTIs [s]
ontime3	8271.999969244	Sum of GTIs [s]
ontime6	8271.999969244	Sum of GTIs [s]
ontime7	8271.999969244	Sum of GTIs [s]
l2events	764248	Number of level 2 events

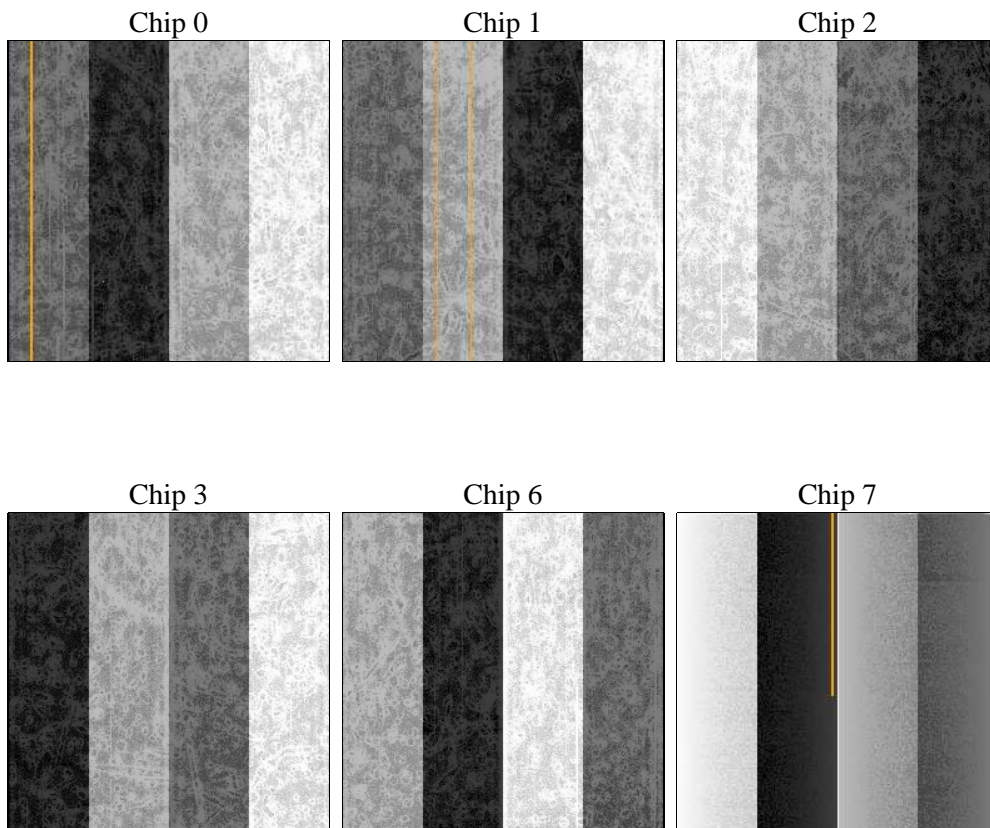
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	8271.999969244	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8271.999969244	Sum of GTIs [s]
date	2012-04-22T07:57:07	Date and time of file creation	ontime1	8271.999969244	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8271.999969244	Sum of GTIs [s]
			ontime3	8271.999969244	Sum of GTIs [s]
			ontime6	8271.999969244	Sum of GTIs [s]
			ontime7	8271.999969244	Sum of GTIs [s]
			l1events	1229068	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	196848	195103	202563	202418	206291	225845	grade 0 events	68378	68167	70745	71264	70643	34115
rejected events	70316	67294	74758	73992	73396	63911		34%	34%	34%	35%	34%	15%
rejected %	35%	34%	36%	36%	35%	28%	grade 1 events	464	433	568	525	431	174
								0%	0%	0%	0%	0%	0%
							grade 2 events	22681	23426	21582	22295	23134	35247
								11%	12%	10%	11%	11%	15%
							grade 3 events	8381	8400	8525	8440	8498	15494
								4%	4%	4%	4%	4%	6%
							grade 4 events	8327	8436	8456	8461	8505	15384
								4%	4%	4%	4%	4%	6%
							grade 5 events	3818	3986	3852	4320	4279	10714
								1%	2%	1%	2%	2%	4%
							grade 6 events	18765	19380	18497	17966	22115	61694
								9%	9%	9%	8%	10%	27%
							grade 7 events	66034	62875	70338	69147	68686	53023
								33%	32%	34%	34%	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	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	199.0179918215275	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-29.97586585647072	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	24.25489436459683			
[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)	291552673.863878	291552672.83889			
Observation start date	2007-03-29T10:51:14	2007-03-29T10:51:12			
[s] Observation end time (MET)	291574565.81492	291574564.78993			
Observation end date	2007-03-29T16:56:06	2007-03-29T16:56:04			
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)	2012.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.271999969244

### A.2 Comments