

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58154 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 3 2012

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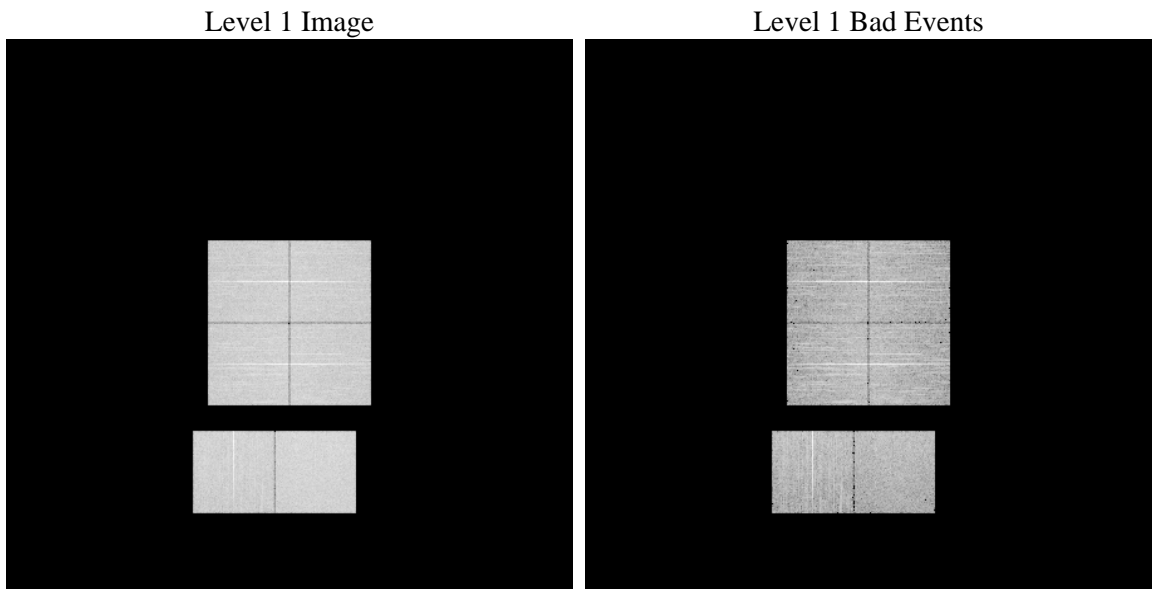
# 1 Front

seq_num	&#160	Sequence number
obs_id	58154	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	25.965325823878	Nominal RA [deg]
dec_nom	45.984375227436	Nominal Dec [deg]
roll_nom	180.09225465798	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6764.4282869697	Sum of GTIs [s]
livetime	6678.7730229503	Livetime [s]
ontime0	6764.3872469664	Sum of GTIs [s]
ontime1	6764.3462069631	Sum of GTIs [s]
ontime2	6764.3051669598	Sum of GTIs [s]
ontime3	6764.469326973	Sum of GTIs [s]
ontime6	6764.2641269565	Sum of GTIs [s]
ontime7	6764.4282869697	Sum of GTIs [s]
l2events	549225	Number of level 2 events

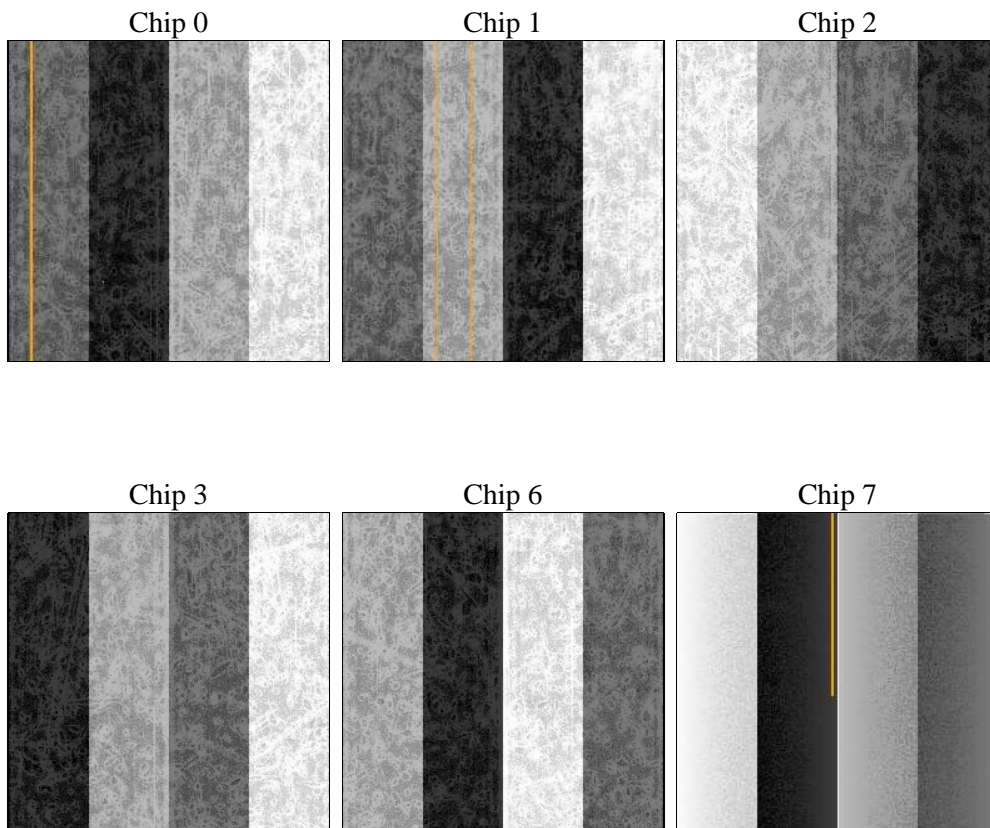
## 2 OBI

### 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	6764.4282869697	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	6764.3872469664	Sum of GTIs [s]
date	2012-05-03T15:13:30	Date and time of file creation	ontime1	6764.3462069631	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	6764.3051669598	Sum of GTIs [s]
			ontime3	6764.469326973	Sum of GTIs [s]
			ontime6	6764.2641269565	Sum of GTIs [s]
			ontime7	6764.4282869697	Sum of GTIs [s]
			l1events	928352	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	146642	146389	155258	151249	155546	173268	grade 0 events	49079	49004	50670	50030	50086	24838
rejected events	56062	54616	63469	60285	60993	53672		33%	33%	32%	33%	32%	14%
rejected %	38%	37%	40%	39%	39%	30%	grade 1 events	355	304	416	418	299	143
								0%	0%	0%	0%	0%	0%
							grade 2 events	16115	16912	15646	15683	16679	25957
								10%	11%	10%	10%	10%	14%
							grade 3 events	6107	5970	6247	6096	6096	11610
								4%	4%	4%	4%	3%	6%
							grade 4 events	6002	6008	6135	6294	6076	11131
								4%	4%	3%	4%	3%	6%
							grade 5 events	3235	3305	3050	3482	3545	8884
								2%	2%	1%	2%	2%	5%
							grade 6 events	13509	14119	13290	13086	15824	46367
								9%	9%	8%	8%	10%	26%
							grade 7 events	52240	50767	59804	56160	56941	44338
								35%	34%	38%	37%	36%	25%

## 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	25.96532582387786	Alternating exposures requested	N	N
[deg] Pointing Dec	0	45.98437522743566	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	180.0922546579799			
[mm] SIM focus pos	-0.782348	-1.038866356238299			
[mm] SIM defocus	0	0.4944702831659975			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	309594575.07847	309594574.05348			
Observation start date	2007-10-24T06:29:35	2007-10-24T06:29:34			
[s] Observation end time (MET)	309617899.979595	309617898.9546			
Observation end date	2007-10-24T12:58:20	2007-10-24T12:58:18			
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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.7644282869697

### A.2 Comments