

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 57042 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 8 2012

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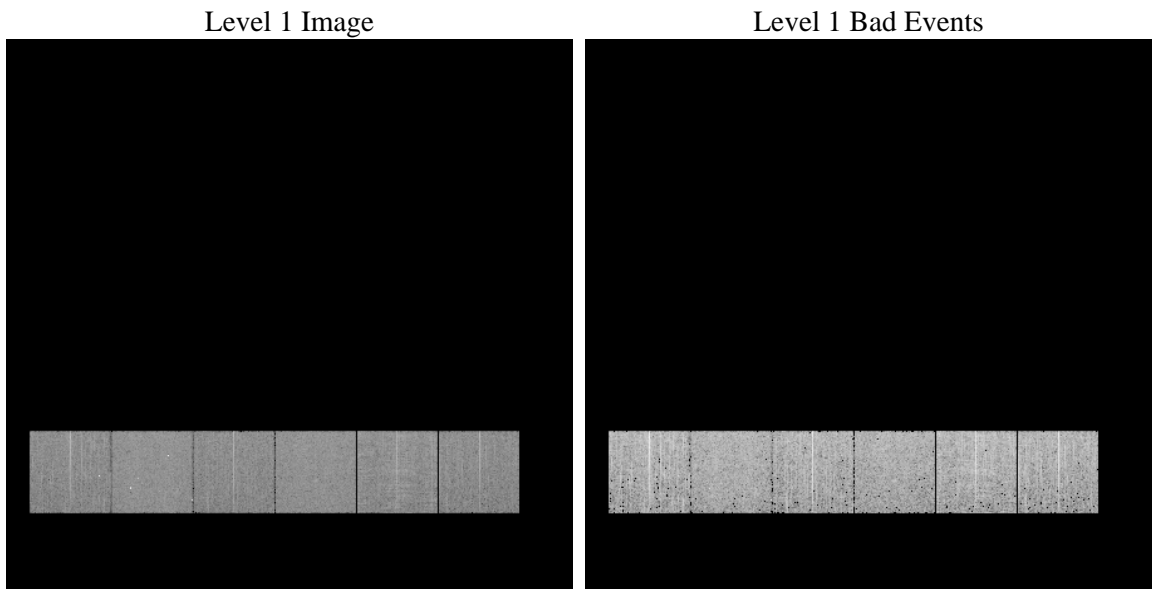
# 1 Front

seq_num	&#160	Sequence number
obs_id	57042	Observation id
title	ACIS-456789 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	250.04063609584	Nominal RA [deg]
dec_nom	-45.999329089723	Nominal Dec [deg]
roll_nom	329.64698937681	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3269.4436246157	Sum of GTIs [s]
livetime	3228.0439608182	Livetime [s]
ontime4	3266.3257043958	Sum of GTIs [s]
ontime5	3269.484664619	Sum of GTIs [s]
ontime6	3269.5257047415	Sum of GTIs [s]
ontime7	3269.4436246157	Sum of GTIs [s]
ontime8	3270.3999878764	Sum of GTIs [s]
ontime9	3269.4025847316	Sum of GTIs [s]
l2events	204457	Number of level 2 events

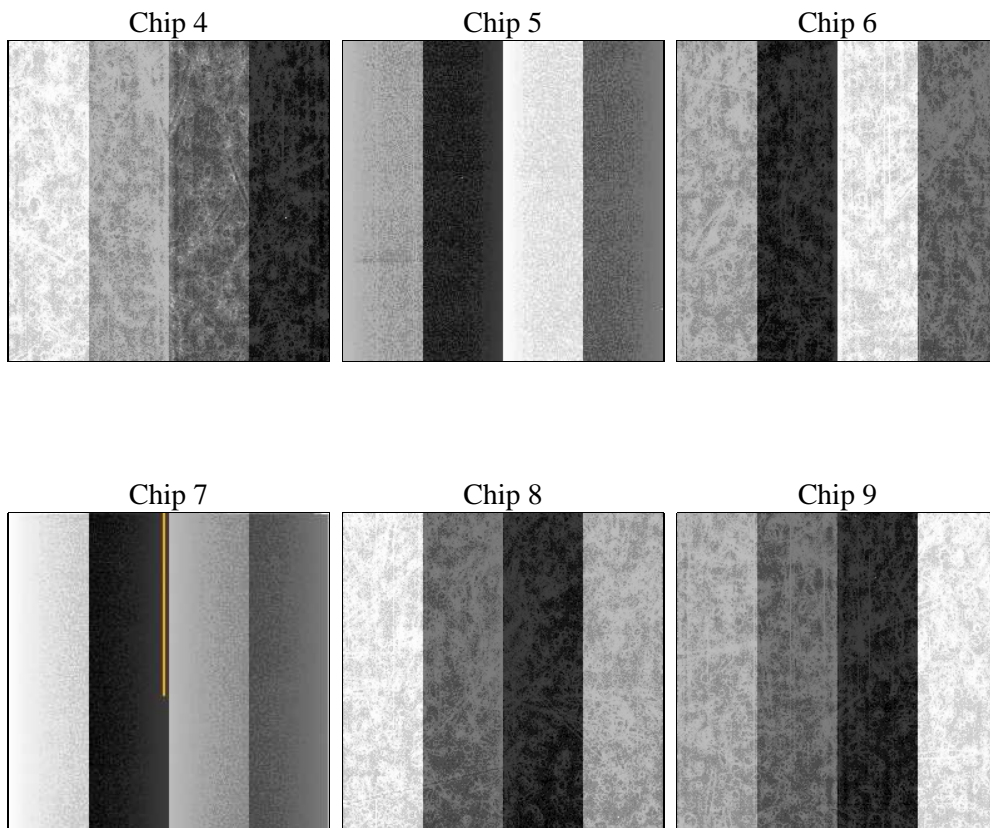
## 2 OBI

### 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	3269.4436246157	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime4	3266.3257043958	Sum of GTIs [s]
date	2012-06-08T21:50:32	Date and time of file creation	ontime5	3269.484664619	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3269.5257047415	Sum of GTIs [s]
			ontime7	3269.4436246157	Sum of GTIs [s]
			ontime8	3270.3999878764	Sum of GTIs [s]
			ontime9	3269.4025847316	Sum of GTIs [s]
			l1events	419385	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	65962	77540	64037	74755	73386	63705	grade 0 events	17917	7679	16865	8495	18259	16269
rejected events	35082	30042	31938	28500	36012	33122		27%	9%	26%	11%	24%	25%
rejected %	53%	38%	49%	38%	49%	51%	grade 1 events	180	231	126	71	131	126
								0%	0%	0%	0%	0%	0%
							grade 2 events	4728	16777	5767	10170	7052	5445
								7%	21%	9%	13%	9%	8%
							grade 3 events	2204	2037	2070	4345	2784	2003
								3%	2%	3%	5%	3%	3%
							grade 4 events	2128	2066	2096	4316	2703	2112
								3%	2%	3%	5%	3%	3%
							grade 5 events	1751	3904	1854	4627	2316	1994
								2%	5%	2%	6%	3%	3%
							grade 6 events	3903	18939	5301	18929	6615	4754
								5%	24%	8%	25%	9%	7%
							grade 7 events	33151	25907	29958	23802	33526	31002
								50%	33%	46%	31%	45%	48%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
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	0	250.0406360958387	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-45.99932908972252	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	329.6469893768084	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	361431977.732115	361431976.70711			
Observation start date	2009-06-15T05:46:18	2009-06-15T05:46:16			
[s] Observation end time (MET)	361439564.782494	361439563.75749			
Observation end date	2009-06-15T07:52:45	2009-06-15T07:52:43			
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)	2012.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2694436246157

### A.2 Comments