

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 55907 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jul 6 2012

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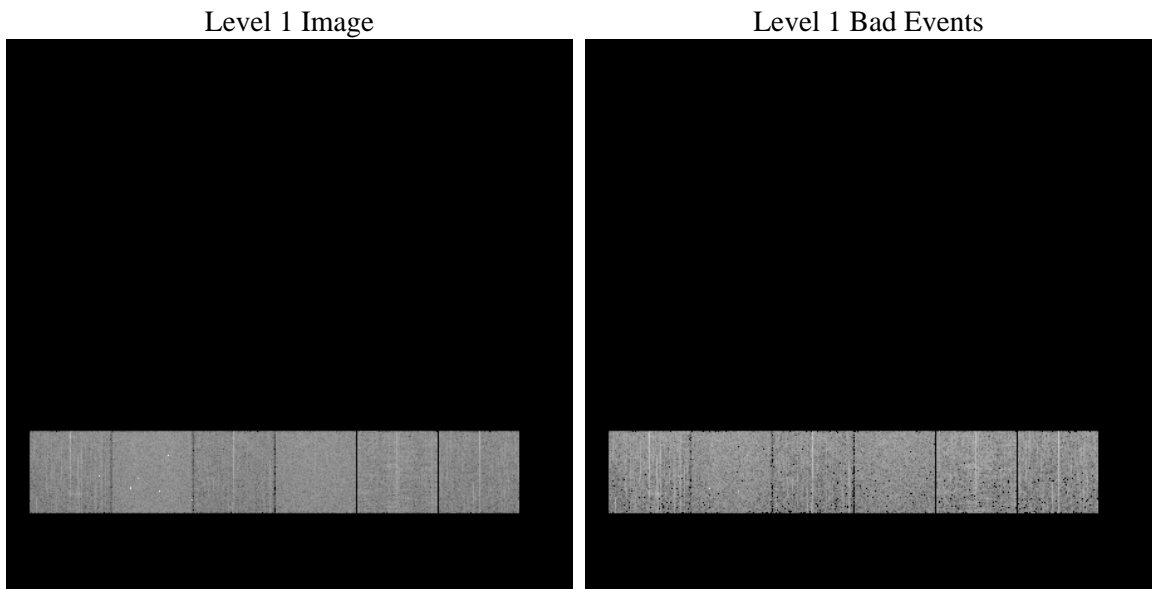
# 1 Front

seq_num	&#160	Sequence number
obs_id	55907	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	19.997977734454	Nominal RA [deg]
dec_nom	31.271342164654	Nominal Dec [deg]
roll_nom	233.63848829452	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3052.799988687	Sum of GTIs [s]
livetime	3014.1435970548	Livetime [s]
ontime4	3052.799988687	Sum of GTIs [s]
ontime5	3052.799988687	Sum of GTIs [s]
ontime6	3052.799988687	Sum of GTIs [s]
ontime7	3052.799988687	Sum of GTIs [s]
ontime8	3052.799988687	Sum of GTIs [s]
ontime9	3052.799988687	Sum of GTIs [s]
l2events	160088	Number of level 2 events

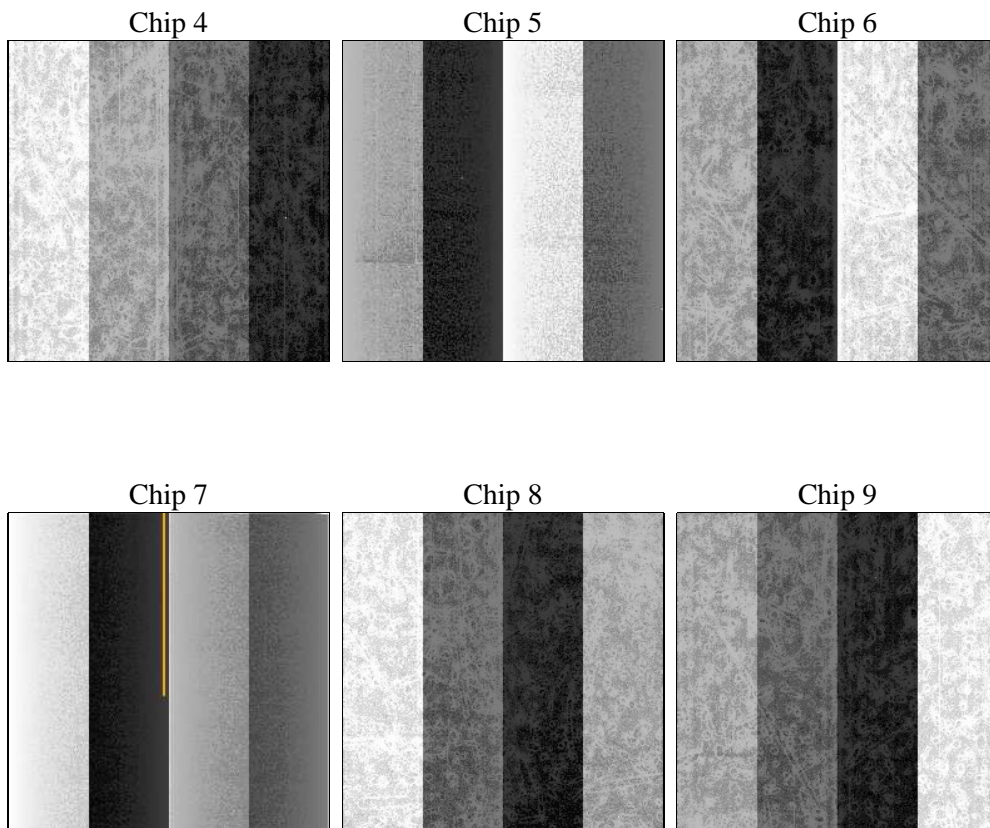
## 2 OBI

### 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	3052.799988687	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime4	3052.799988687	Sum of GTIs [s]
date	2012-07-06T13:04:29	Date and time of file creation	ontime5	3052.799988687	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3052.799988687	Sum of GTIs [s]
			ontime7	3052.799988687	Sum of GTIs [s]
			ontime8	3052.799988687	Sum of GTIs [s]
			ontime9	3052.799988687	Sum of GTIs [s]
			l1events	357522	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	55823	69120	52212	64533	62122	53712	grade 0 events	14647	7018	13724	7262	15250	13680
rejected events	31791	30308	27476	28444	32706	29533		26%	10%	26%	11%	24%	25%
rejected %	56%	43%	52%	44%	52%	54%	grade 1 events	138	108	73	53	93	95
								0%	0%	0%	0%	0%	0%
							grade 2 events	4177	14867	4757	8389	5998	4583
								7%	21%	9%	12%	9%	8%
							grade 3 events	1829	1673	1725	3506	2332	1790
								3%	2%	3%	5%	3%	3%
							grade 4 events	1768	1639	1751	3483	2225	1702
								3%	2%	3%	5%	3%	3%
							grade 5 events	1557	3528	1633	4243	2156	1878
								2%	5%	3%	6%	3%	3%
							grade 6 events	3579	16620	4786	16316	5975	4421
								6%	24%	9%	25%	9%	8%
							grade 7 events	28128	23667	23763	21281	28093	25563
								50%	34%	45%	32%	45%	47%

## 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	19.99797773445385	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	31.2713421646536	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	233.6384882945179	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	405301982.006138	405301980.98112			
Observation start date	2010-11-04T23:53:02	2010-11-04T23:53:00			
[s] Observation end time (MET)	405306551.456374	405306550.43136			
Observation end date	2010-11-05T01:09:11	2010-11-05T01:09:10			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.052799988687

### A.2 Comments