

# V&V Reference Report

## L2 ASCDS Version : 8.5.1

Observation 54090 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Dec 18 2012

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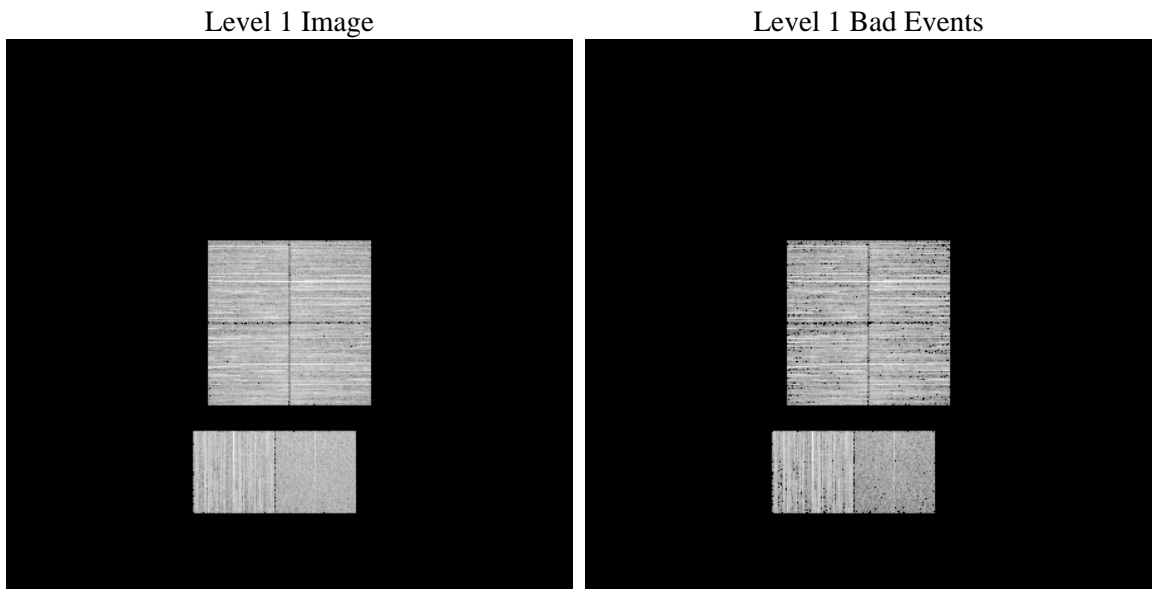
# 1 Front

seq_num	&#160	Sequence number
obs_id	54090	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	102.00244310578	Nominal RA [deg]
dec_nom	6.0369829195981	Nominal Dec [deg]
roll_nom	42.741226808372	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3538.3191522956	Sum of GTIs [s]
livetime	3493.5148246692	Livetime [s]
ontime0	3538.2781122923	Sum of GTIs [s]
ontime1	3538.237072289	Sum of GTIs [s]
ontime2	3538.1960322857	Sum of GTIs [s]
ontime3	3538.3601922989	Sum of GTIs [s]
ontime6	3538.1549922824	Sum of GTIs [s]
ontime7	3538.3191522956	Sum of GTIs [s]
l2events	98084	Number of level 2 events

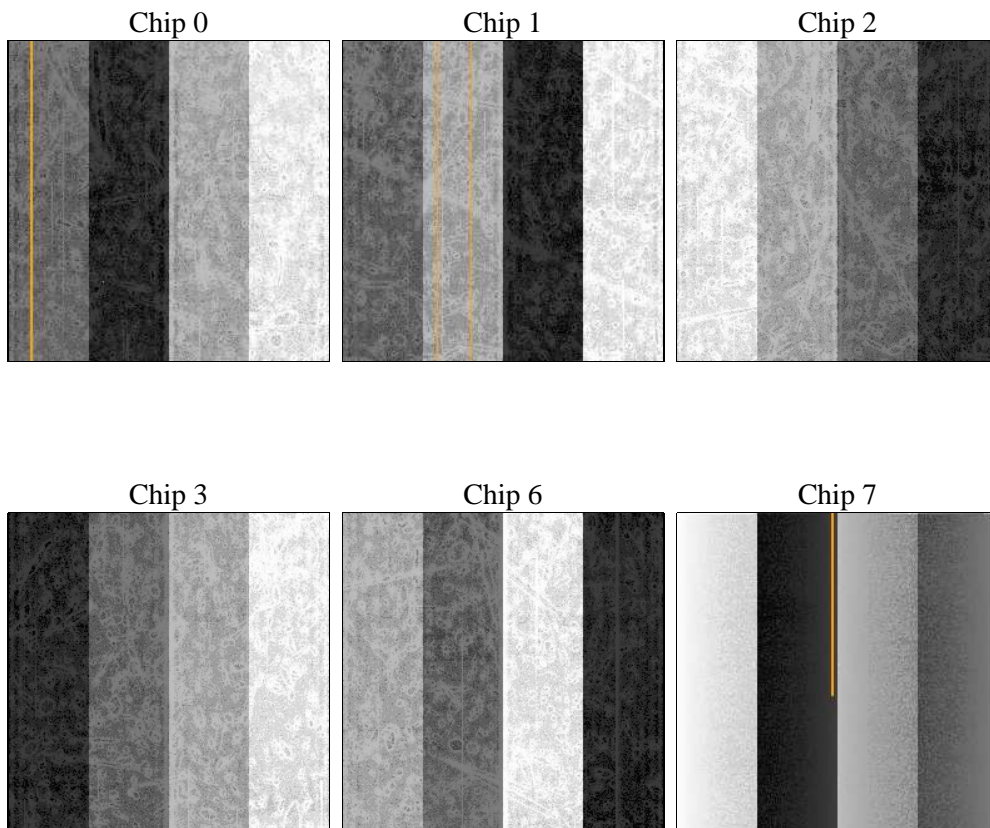
## 2 OBI

### 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	8.5.1	Processing system revision	ontime	3538.3191522956	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime0	3538.2781122923	Sum of GTIs [s]
date	2012-12-18T07:01:15	Date and time of file creation	ontime1	3538.237072289	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3538.1960322857	Sum of GTIs [s]
			ontime3	3538.3601922989	Sum of GTIs [s]
			ontime6	3538.1549922824	Sum of GTIs [s]
			ontime7	3538.3191522956	Sum of GTIs [s]
			l1events	419098	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	71172	72165	71540	69987	76798	57436	grade 0 events	7771	7409	7858	7973	7532	3897
rejected events	55931	57038	56480	54537	60946	30244		10%	10%	10%	11%	9%	6%
rejected %	78%	79%	78%	77%	79%	52%	grade 1 events	34	31	50	47	37	40
								0%	0%	0%	0%	0%	0%
							grade 2 events	3048	3288	2942	3004	3452	6804
								4%	4%	4%	4%	4%	11%
							grade 3 events	982	950	999	1020	1031	2163
								1%	1%	1%	1%	1%	3%
							grade 4 events	1035	953	1083	1153	1038	2133
								1%	1%	1%	1%	1%	3%
							grade 5 events	1281	1287	1199	1430	1364	3219
								1%	1%	1%	2%	1%	5%
							grade 6 events	2405	2527	2178	2300	2799	12195
								3%	3%	3%	3%	3%	21%
							grade 7 events	54616	55720	55231	53060	59545	26985
								76%	77%	77%	75%	77%	46%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	102.0024431057791	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	6.036982919598053	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	42.74122680837247	[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)	472047113.906687	472047112.88169			
Observation start date	2012-12-16T12:11:54	2012-12-16T12:11:52			
[s] Observation end time (MET)	472055309.807129	472055308.78213			
Observation end date	2012-12-16T14:28:30	2012-12-16T14:28:28			
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)	2012.12.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.5383191522956

### A.2 Comments