

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 54503 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Aug 28 2012

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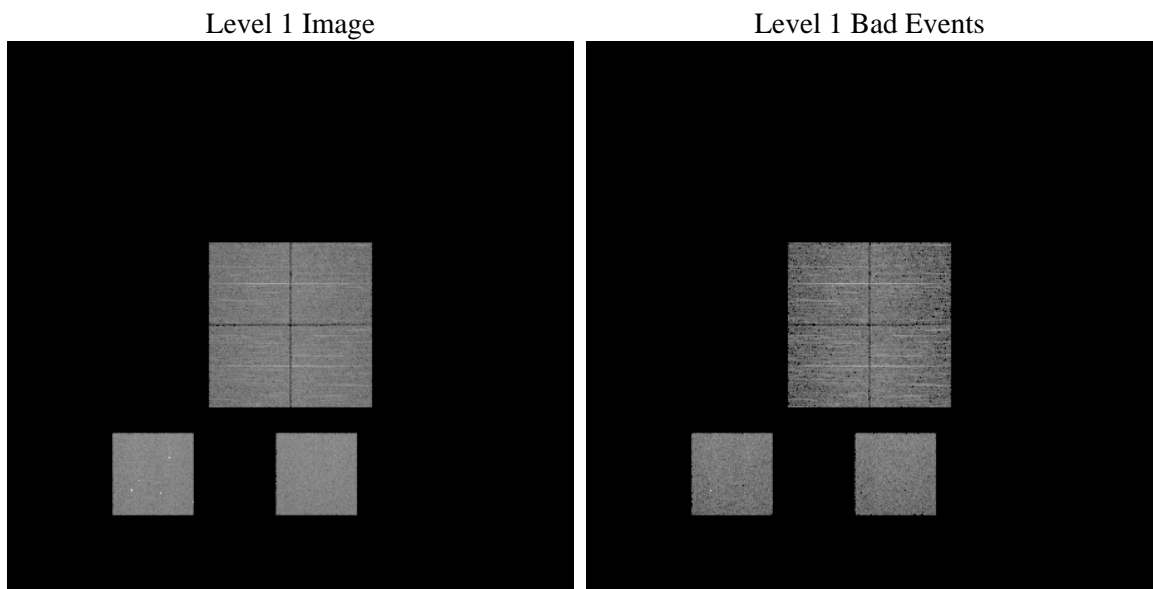
# 1 Front

seq_num	&#160	Sequence number
obs_id	54503	Observation id
title	ACIS-012357 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	265.99303935521	Nominal RA [deg]
dec_nom	-4.3278414336457	Nominal Dec [deg]
roll_nom	223.01025578325	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6549.5813991427	Sum of GTIs [s]
livetime	6466.6466557823	Livetime [s]
ontime0	6549.5403591394	Sum of GTIs [s]
ontime1	6549.4993191361	Sum of GTIs [s]
ontime2	6549.4582791328	Sum of GTIs [s]
ontime3	6549.622439146	Sum of GTIs [s]
ontime5	6549.4172391295	Sum of GTIs [s]
ontime7	6549.5813991427	Sum of GTIs [s]
l2events	216033	Number of level 2 events

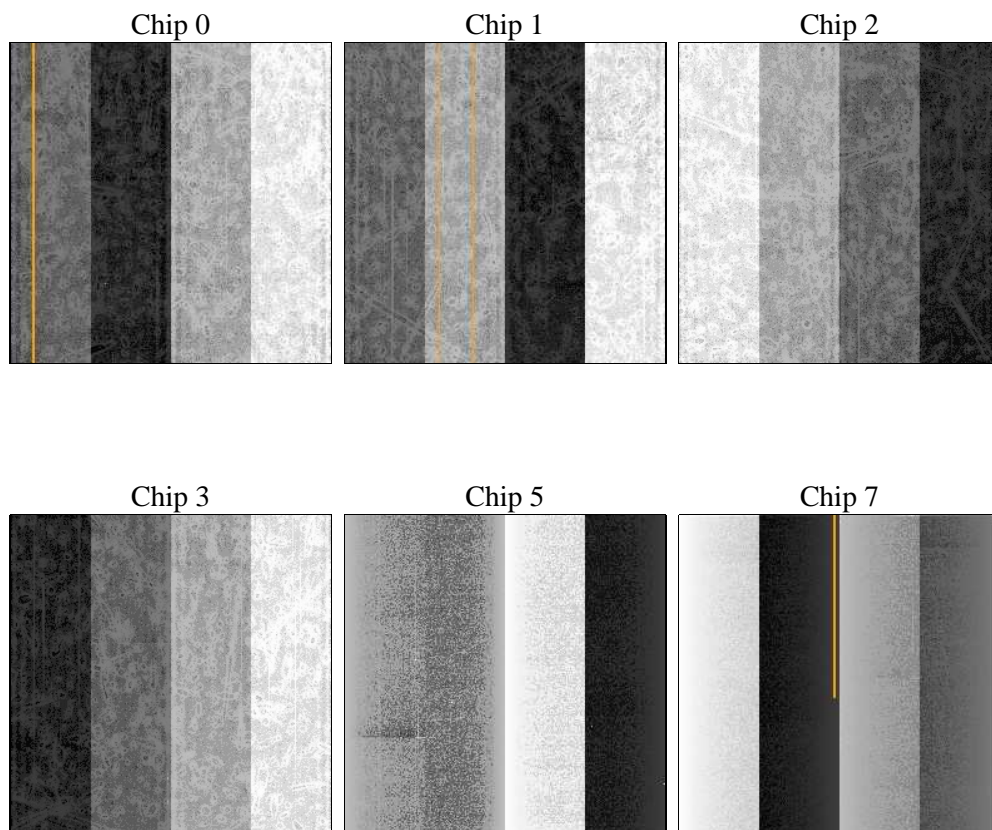
## 2 OBI

### 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	6549.5813991427	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	6549.5403591394	Sum of GTIs [s]
date	2012-08-28T22:35:09	Date and time of file creation	ontime1	6549.4993191361	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	6549.4582791328	Sum of GTIs [s]
			ontime3	6549.622439146	Sum of GTIs [s]
			ontime5	6549.4172391295	Sum of GTIs [s]
			ontime7	6549.5813991427	Sum of GTIs [s]
			l1events	460406	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	65992	64367	67451	70946	98828	92822	grade 0 events	15924	15581	16449	16678	9077	8212
rejected events	35365	33578	36767	39883	42595	41834		24%	24%	24%	23%	9%	8%
rejected %	53%	52%	54%	56%	43%	45%	grade 1 events	92	84	95	110	129	66
								0%	0%	0%	0%	0%	0%
							grade 2 events	5674	6082	5431	5410	19525	11121
								8%	9%	8%	7%	19%	11%
							grade 3 events	2031	2011	2198	2062	2185	4451
								3%	3%	3%	2%	2%	4%
							grade 4 events	2129	2038	2024	2209	2013	4504
								3%	3%	3%	3%	2%	4%
							grade 5 events	2409	2503	2232	2646	5978	6392
								3%	3%	3%	3%	6%	6%
							grade 6 events	4869	5077	4582	4704	23433	22700
								7%	7%	6%	6%	23%	24%
							grade 7 events	32864	30991	34440	37127	36488	35376
								49%	48%	51%	52%	36%	38%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	265.9930393552148	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-4.327841433645718	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	223.0102557832533	[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)	457880245.797269	457880244.77227			
Observation start date	2012-07-05T12:57:26	2012-07-05T12:57:24			
[s] Observation end time (MET)	457888685.64772	457888684.62272			
Observation end date	2012-07-05T15:18:06	2012-07-05T15:18:04			
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)	2012.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.5495813991427

### A.2 Comments