

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 54832 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Feb 26 2012

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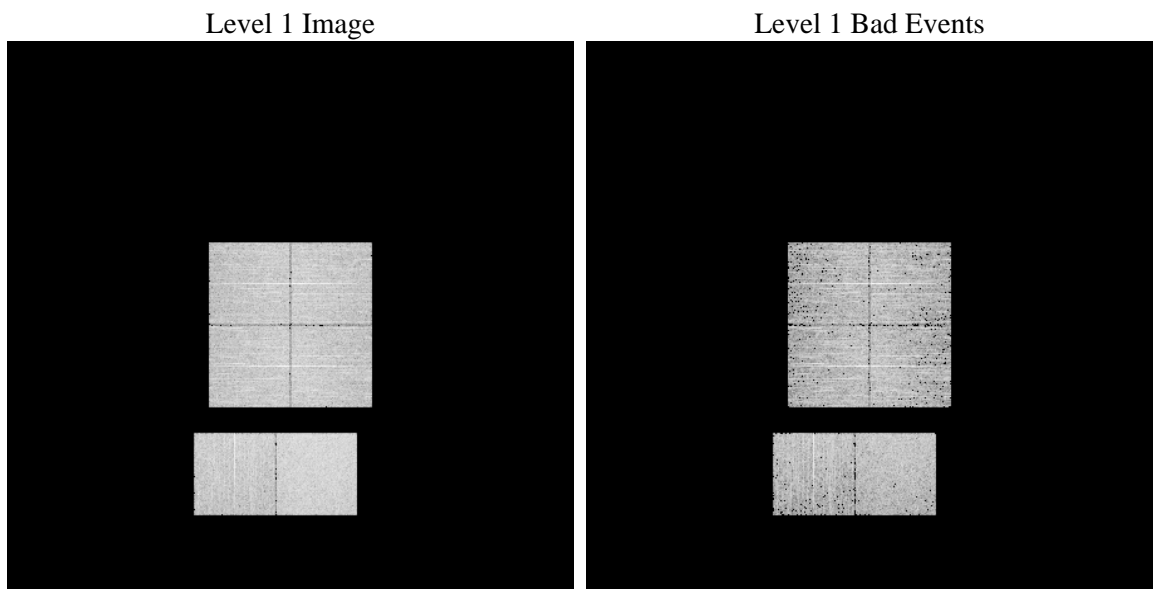
# 1 Front

seq_num	&#160	Sequence number
obs_id	54832	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	138.52905396747	Nominal RA [deg]
dec_nom	-13.505167345763	Nominal Dec [deg]
roll_nom	316.68804197278	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4486.027664423	Sum of GTIs [s]
livetime	4429.2228809745	Livetime [s]
ontime0	4485.9866244197	Sum of GTIs [s]
ontime1	4485.9455844164	Sum of GTIs [s]
ontime2	4485.9045444131	Sum of GTIs [s]
ontime3	4486.0687044263	Sum of GTIs [s]
ontime6	4485.8635044098	Sum of GTIs [s]
ontime7	4486.027664423	Sum of GTIs [s]
l2events	147069	Number of level 2 events

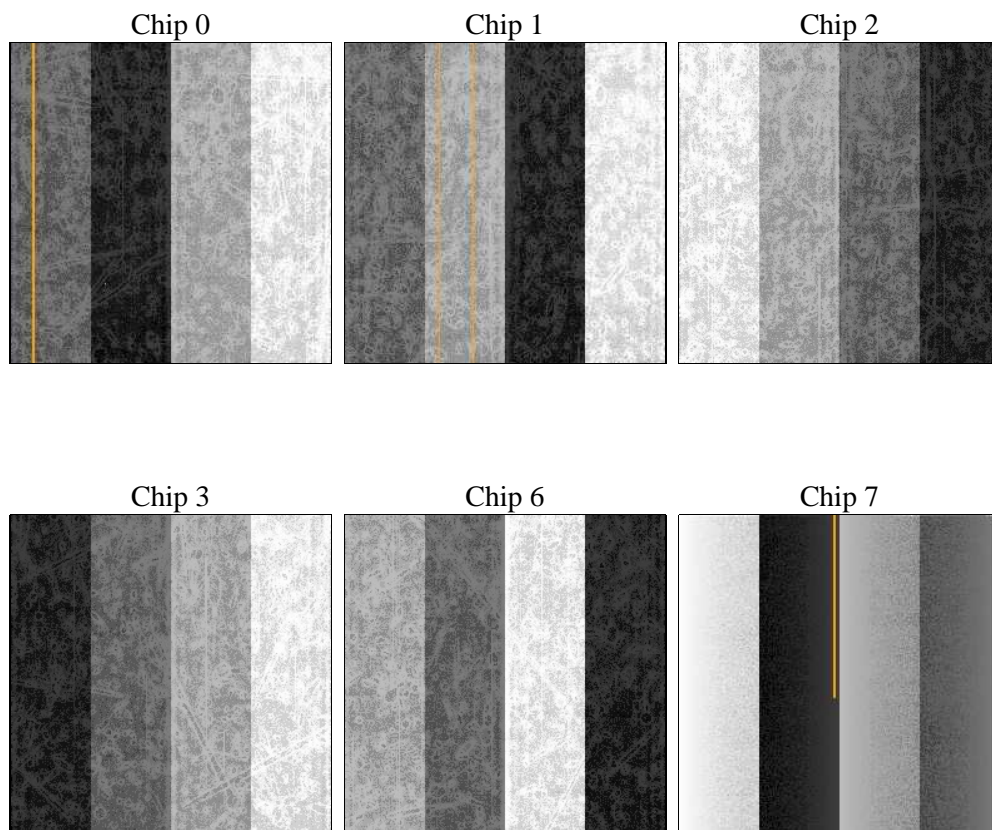
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	4486.027664423	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	4485.9866244197	Sum of GTIs [s]
date	2012-02-27T01:11:08	Date and time of file creation	ontime1	4485.9455844164	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4485.9045444131	Sum of GTIs [s]
			ontime3	4486.0687044263	Sum of GTIs [s]
			ontime6	4485.8635044098	Sum of GTIs [s]
			ontime7	4486.027664423	Sum of GTIs [s]
			l1events	334361	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	49818	53153	53268	53287	53894	70941	grade 0 events	12087	11895	12490	12525	12635	6379
rejected events	26882	29998	29988	30201	29479	32065		24%	22%	23%	23%	23%	8%
rejected %	53%	56%	56%	56%	54%	45%	grade 1 events	60	63	70	67	77	57
								0%	0%	0%	0%	0%	0%
							grade 2 events	4314	4501	4219	4029	4624	8382
								8%	8%	7%	7%	8%	11%
							grade 3 events	1566	1604	1623	1632	1636	3432
								3%	3%	3%	3%	3%	4%
							grade 4 events	1540	1578	1670	1640	1586	3516
								3%	2%	3%	3%	2%	4%
							grade 5 events	1837	1924	1801	2057	1951	5011
								3%	3%	3%	3%	3%	7%
							grade 6 events	3565	3722	3430	3418	4113	17400
								7%	7%	6%	6%	7%	24%
							grade 7 events	24849	27866	27965	27919	27272	26764
								49%	52%	52%	52%	50%	37%

## 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	138.5290539674674	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-13.5051673457634	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	316.6880419727772	[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)	446657615.529738	446657614.50474			
Observation start date	2012-02-26T15:33:36	2012-02-26T15:33:34			
[s] Observation end time (MET)	446663767.580063	446663766.55506			
Observation end date	2012-02-26T17:16:08	2012-02-26T17:16:06			
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)	2012.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.486027664423

### A.2 Comments