

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 54954 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 29 2012

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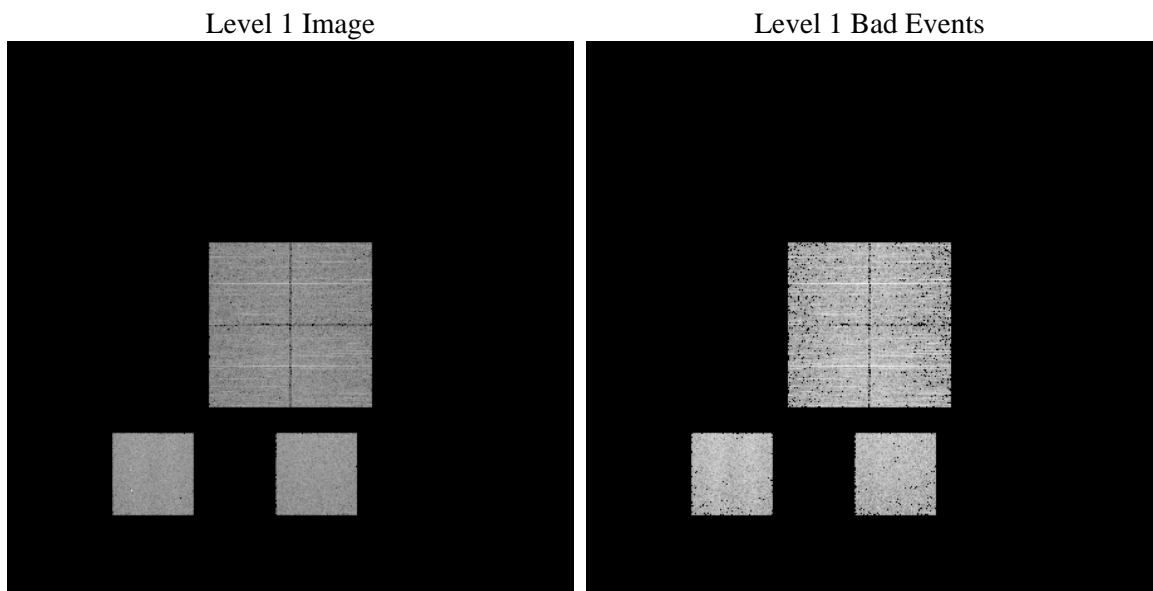
# 1 Front

seq_num	&#160	Sequence number
obs_id	54954	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	83.028889292047	Nominal RA [deg]
dec_nom	2.998279528562	Nominal Dec [deg]
roll_nom	323.77512805955	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3279.8568676114	Sum of GTIs [s]
livetime	3238.325345061	Livetime [s]
ontime0	3279.8978977799	Sum of GTIs [s]
ontime1	3283.1641336083	Sum of GTIs [s]
ontime2	3283.1431036592	Sum of GTIs [s]
ontime3	3279.8158276081	Sum of GTIs [s]
ontime5	3283.1020636559	Sum of GTIs [s]
ontime7	3279.8568676114	Sum of GTIs [s]
l2events	115207	Number of level 2 events

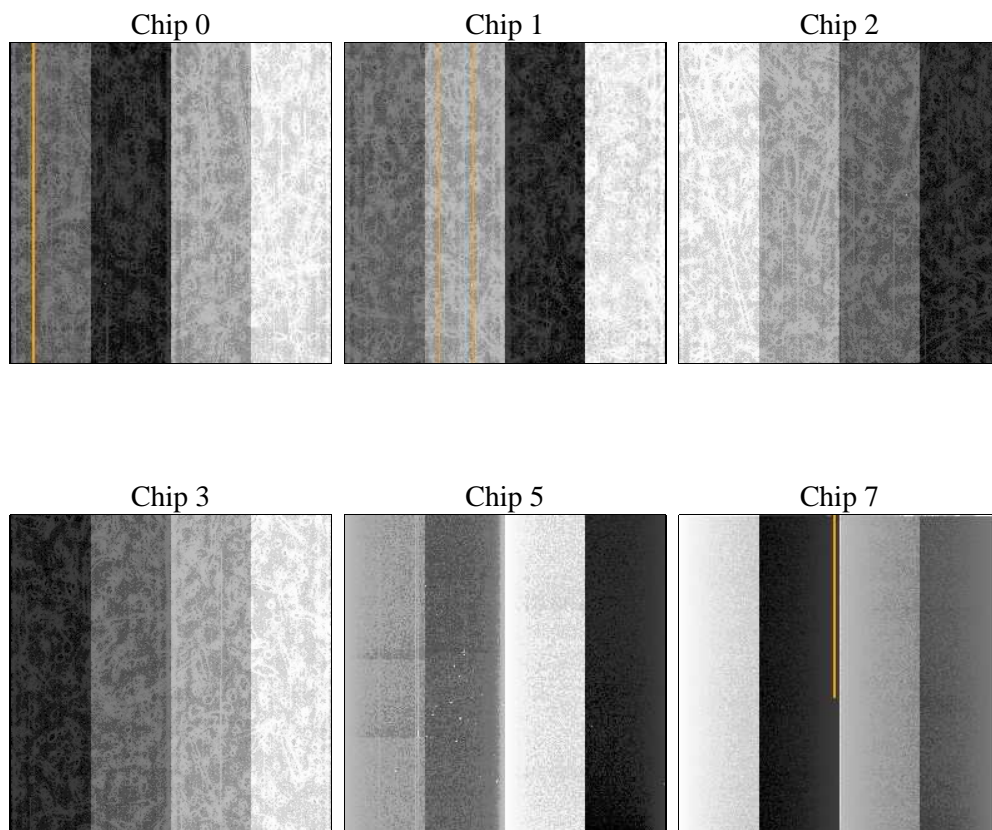
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	3279.8568676114	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	3279.8978977799	Sum of GTIs [s]
date	2012-02-29T16:11:46	Date and time of file creation	ontime1	3283.1641336083	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3283.1431036592	Sum of GTIs [s]
			ontime3	3279.8158276081	Sum of GTIs [s]
			ontime5	3283.1020636559	Sum of GTIs [s]
			ontime7	3279.8568676114	Sum of GTIs [s]
			l1events	260505	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	37749	37868	39413	41184	53502	50789	grade 0 events	6671	5466	7323	7300	2439	4074
rejected events	21691	21606	23106	24672	24964	23261		17%	14%	18%	17%	4%	8%
rejected %	57%	57%	58%	59%	46%	45%	grade 1 events	24	25	36	32	43	38
								0%	0%	0%	0%	0%	0%
							grade 2 events	4796	6178	4375	4552	9094	5770
								12%	16%	11%	11%	16%	11%
							grade 3 events	860	717	883	918	1351	2359
								2%	1%	2%	2%	2%	4%
							grade 4 events	809	710	932	907	1271	2164
								2%	1%	2%	2%	2%	4%
							grade 5 events	1034	928	1023	1132	2346	2912
								2%	2%	2%	2%	4%	5%
							grade 6 events	2922	3191	2794	2835	14383	13161
								7%	8%	7%	6%	26%	25%
							grade 7 events	20633	20653	22047	23508	22575	20311
								54%	54%	55%	57%	42%	39%

## 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	83.02888929204728	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	2.99827952856197	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	323.7751280595535	[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)	441658641.065305	441658640.0403			
Observation start date	2011-12-30T18:57:21	2011-12-30T18:57:20			
[s] Observation end time (MET)	441663821.415579	441663820.39057			
Observation end date	2011-12-30T20:23:41	2011-12-30T20:23:40			
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)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2798568676114

### A.2 Comments