

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55469 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 9 2012

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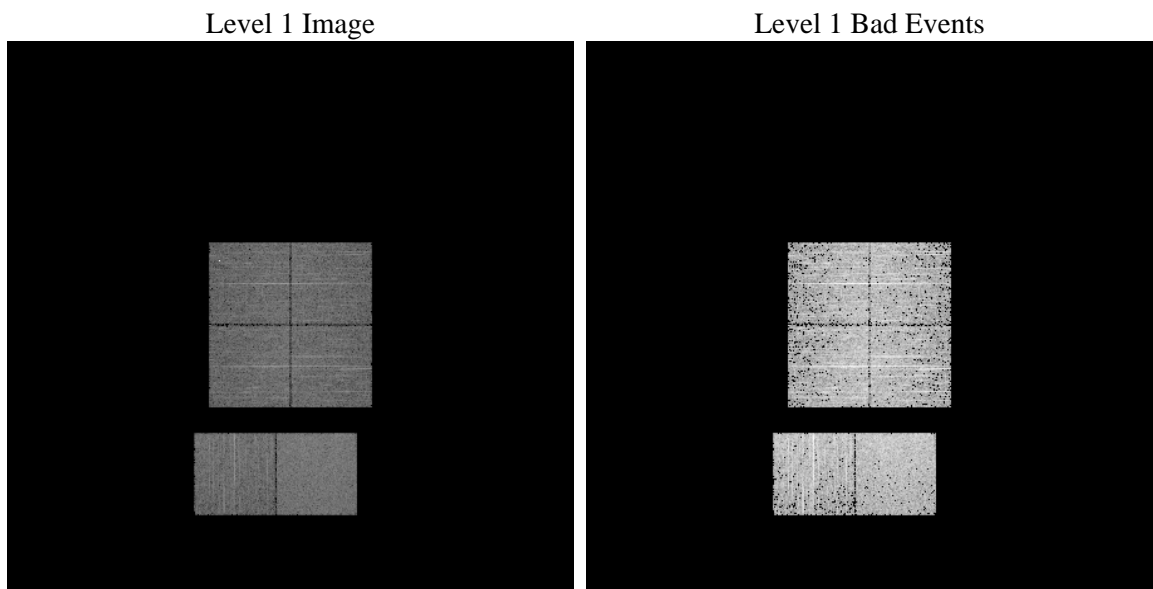
# 1 Front

seq_num	&#160	Sequence number
obs_id	55469	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	137.00827962182	Nominal RA [deg]
dec_nom	16.972402414987	Nominal Dec [deg]
roll_nom	253.13365325674	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3286.3999878168	Sum of GTIs [s]
livetime	3244.7856123386	Livetime [s]
ontime0	3286.3999878168	Sum of GTIs [s]
ontime1	3286.3999878168	Sum of GTIs [s]
ontime2	3286.3999878168	Sum of GTIs [s]
ontime3	3286.3999878168	Sum of GTIs [s]
ontime6	3286.3999878168	Sum of GTIs [s]
ontime7	3286.3999878168	Sum of GTIs [s]
l2events	125093	Number of level 2 events

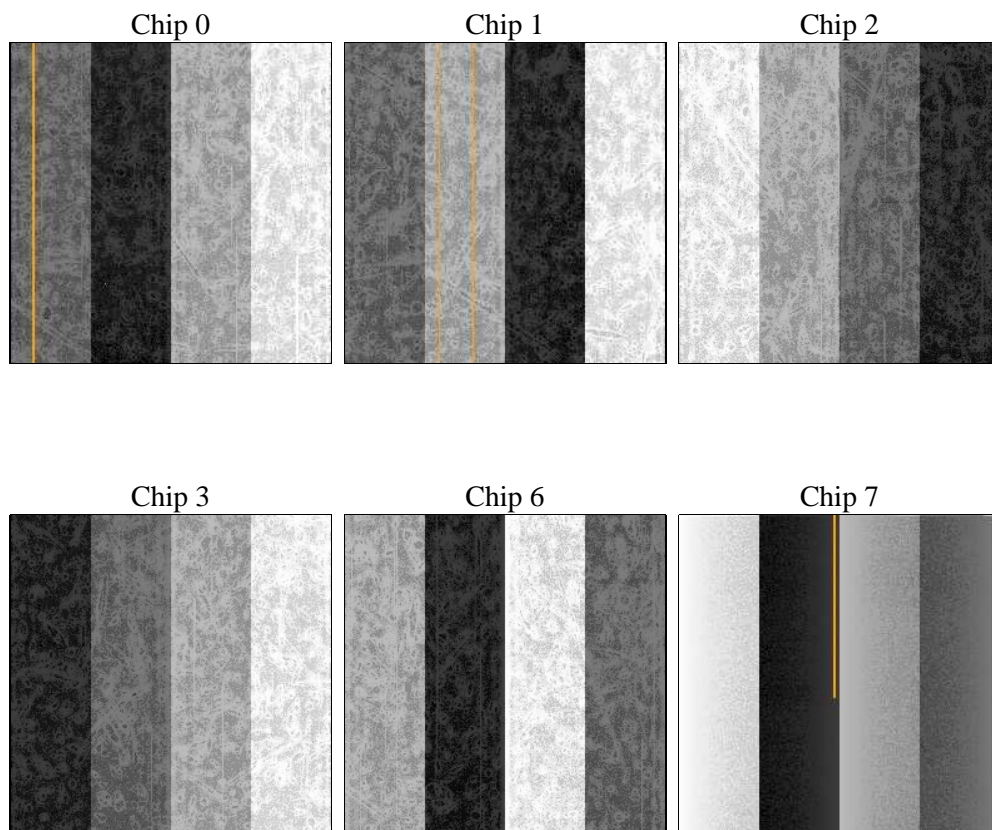
## 2 OBI

### 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	3286.3999878168	Sum of GTIs [s]
caldbver	4.4.7	&#160	ontime0	3286.3999878168	Sum of GTIs [s]
date	2012-02-09T14:41:23	Date and time of file creation	ontime1	3286.3999878168	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3286.3999878168	Sum of GTIs [s]
			ontime3	3286.3999878168	Sum of GTIs [s]
			ontime6	3286.3999878168	Sum of GTIs [s]
			ontime7	3286.3999878168	Sum of GTIs [s]
			l1events	263844	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	41984	40316	41692	41748	43417	54687	grade 0 events	12624	10229	10949	10804	10714	5353
rejected events	19932	20322	21672	21761	22753	23170		30%	25%	26%	25%	24%	9%
rejected %	47%	50%	51%	52%	52%	42%	grade 1 events	70	55	73	67	53	54
								0%	0%	0%	0%	0%	0%
							grade 2 events	3656	3951	3437	3466	3735	6838
								8%	9%	8%	8%	8%	12%
							grade 3 events	1331	1352	1380	1373	1354	2762
								3%	3%	3%	3%	3%	5%
							grade 4 events	1379	1337	1350	1383	1337	2890
								3%	3%	3%	3%	3%	5%
							grade 5 events	1411	1379	1279	1479	1474	3678
								3%	3%	3%	3%	3%	6%
							grade 6 events	3082	3138	2920	2977	3537	13706
								7%	7%	7%	7%	8%	25%
							grade 7 events	18431	18875	20304	20199	21213	19406
								43%	46%	48%	48%	48%	35%

## 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	137.008279621823	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	16.97240241498708	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	253.1336532567359	[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)	420609960.097737	420609959.07274			
Observation start date	2011-05-01T04:06:00	2011-05-01T04:05:59			
[s] Observation end time (MET)	420620314.648274	420620313.62328			
Observation end date	2011-05-01T06:58:35	2011-05-01T06:58:33			
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)	2012.02.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2863999878168

### A.2 Comments