

# V&V Reference Report

## L2 ASCDS Version : 10.4.3.1

Observation 50956 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jun 11 2016

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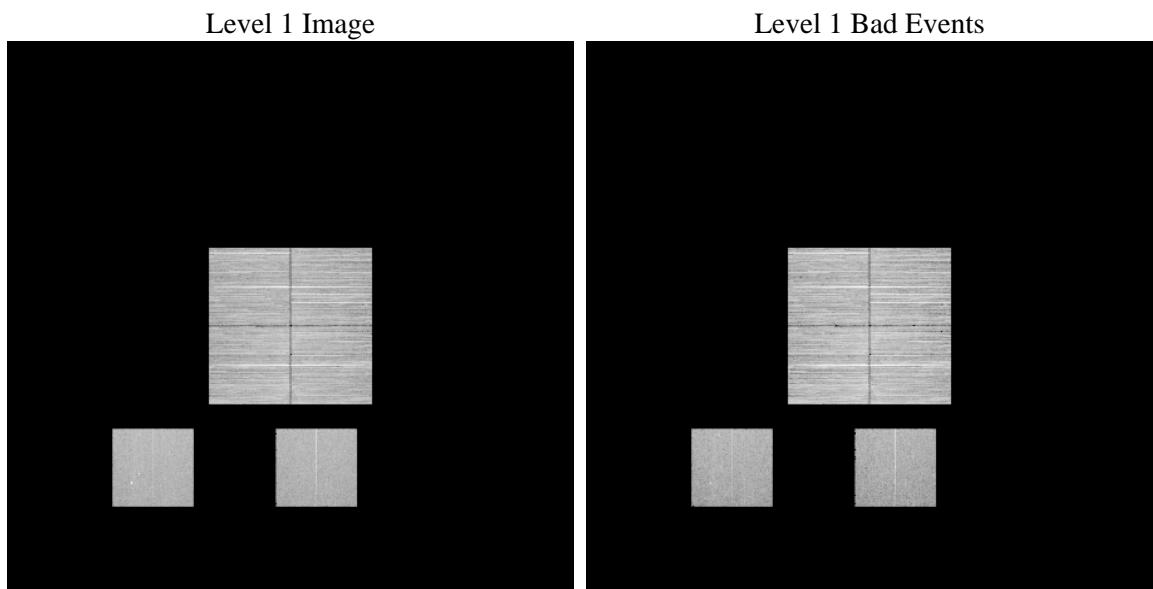
# 1 Front

seq_num	&#160	Sequence number
obs_id	50956	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	127.24837268143	Nominal RA [deg]
dec_nom	70.911147104699	Nominal Dec [deg]
roll_nom	303.5898440031	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8454.0553560257	Sum of GTIs [s]
livetime	8347.0050166867	Livetime [s]
ontime0	8454.0143159628	Sum of GTIs [s]
ontime1	8453.9732760191	Sum of GTIs [s]
ontime2	8453.9322359562	Sum of GTIs [s]
ontime3	8454.0963959694	Sum of GTIs [s]
ontime5	8453.8911960125	Sum of GTIs [s]
ontime7	8454.0553560257	Sum of GTIs [s]
l2events	190896	Number of level 2 events

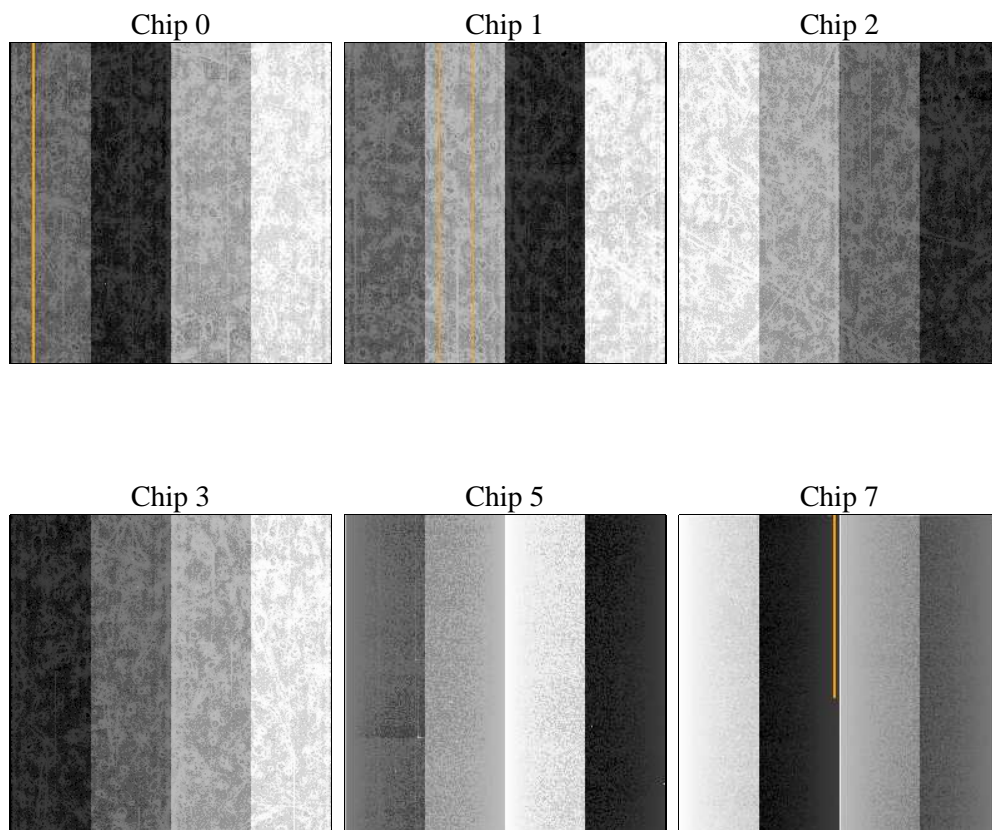
## 2 OBI

### 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	10.4.3.1	Processing system revision	ontime	8454.0553560257	Sum of GTIs [s]
caldsver	4.7.2	&#160	ontime0	8454.0143159628	Sum of GTIs [s]
date	2016-06-11T14:32:38	Date and time of file creation	ontime1	8453.9732760191	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8453.9322359562	Sum of GTIs [s]
			ontime3	8454.0963959694	Sum of GTIs [s]
			ontime5	8453.8911960125	Sum of GTIs [s]
			ontime7	8454.0553560257	Sum of GTIs [s]
			l1events	1037442	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	178580	178066	192668	189940	155202	142986	grade 0 events	9612	9018	9964	9881	4583	5886
rejected events	157770	157100	171926	169259	91841	87570		5%	5%	5%	5%	2%	4%
rejected %	88%	88%	89%	89%	59%	61%	grade 1 events	57	65	89	94	218	113
								0%	0%	0%	0%	0%	0%
							grade 2 events	4754	5120	4476	4331	22681	13697
								2%	2%	2%	2%	14%	9%
							grade 3 events	1492	1458	1525	1567	2036	4139
								0%	0%	0%	0%	1%	2%
							grade 4 events	1440	1476	1519	1601	1833	4018
								0%	0%	0%	0%	1%	2%
							grade 5 events	3565	3437	3322	3872	7341	9341
								1%	1%	1%	2%	4%	6%
							grade 6 events	3525	3898	3263	3310	32264	27695
								1%	2%	1%	1%	20%	19%
							grade 7 events	154135	153594	168510	165284	84246	78097
								86%	86%	87%	87%	54%	54%

## 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	127.248372681427	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	70.91114710469901	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	303.5898440031044	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	581966554.534849	581966553.50985			
Observation start date	2016-06-10T17:22:35	2016-06-10T17:22:33			
[s] Observation end time (MET)	581979457.235588	581979456.21059			
Observation end date	2016-06-10T20:57:37	2016-06-10T20:57:36			
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)	2016.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4540553560257

### A.2 Comments