

# V&V Reference Report

## L2 ASCDS Version : 10.4.3.1

Observation 51227 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Feb 23 2016

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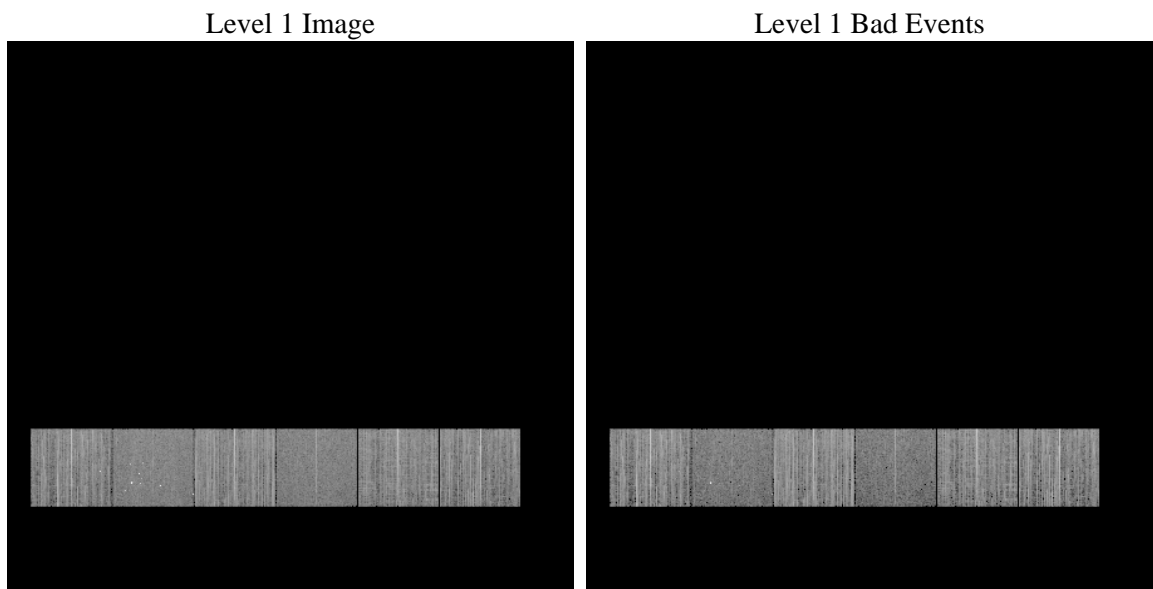
# 1 Front

seq_num	&#160	Sequence number
obs_id	51227	Observation id
title	ACIS-456789 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	189.98492379675	Nominal RA [deg]
dec_nom	9.0254782642476	Nominal Dec [deg]
roll_nom	85.348990219273	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4067.190636158	Sum of GTIs [s]
livetime	4015.6894193548	Livetime [s]
ontime4	4067.0675160885	Sum of GTIs [s]
ontime5	4067.1495960951	Sum of GTIs [s]
ontime6	4067.1085561514	Sum of GTIs [s]
ontime7	4067.190636158	Sum of GTIs [s]
ontime8	4067.0264761448	Sum of GTIs [s]
ontime9	4067.200060606	Sum of GTIs [s]
l2events	95751	Number of level 2 events

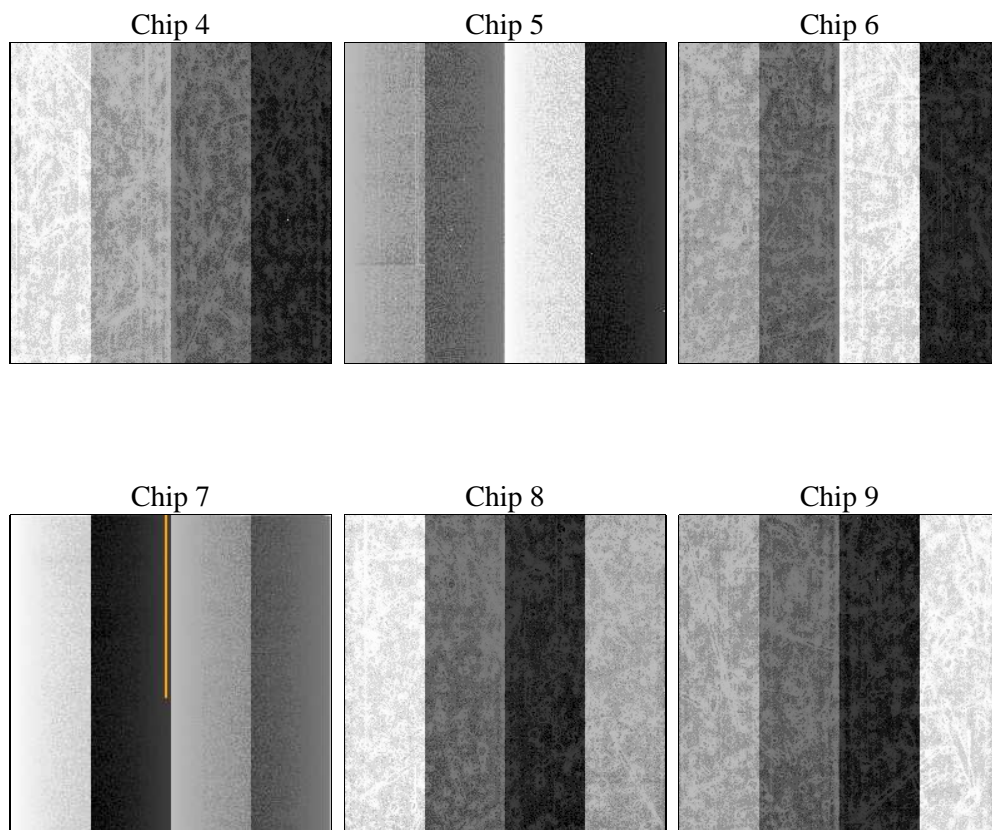
## 2 OBI

### 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	4067.190636158	Sum of GTIs [s]
caldbver	4.7.0	&#160	ontime4	4067.0675160885	Sum of GTIs [s]
date	2016-02-23T23:32:12	Date and time of file creation	ontime5	4067.1495960951	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	4067.1085561514	Sum of GTIs [s]
			ontime7	4067.190636158	Sum of GTIs [s]
			ontime8	4067.0264761448	Sum of GTIs [s]
			ontime9	4067.200060606	Sum of GTIs [s]
			l1events	529158	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	94670	80833	102044	69049	92386	90176	grade 0 events	6793	5351	4753	2908	6791	5077
rejected events	82104	47506	90272	43095	75160	78653		7%	6%	4%	4%	7%	5%
rejected %	86%	58%	88%	62%	81%	87%	grade 1 events	81	164	21	53	37	38
								0%	0%	0%	0%	0%	0%
							grade 2 events	2456	11326	3490	6877	4275	2810
								2%	14%	3%	9%	4%	3%
							grade 3 events	873	1038	666	1709	1373	802
								0%	1%	0%	2%	1%	0%
							grade 4 events	916	1034	667	1777	1333	792
								0%	1%	0%	2%	1%	0%
							grade 5 events	1872	3394	1531	3923	2266	1896
								1%	4%	1%	5%	2%	2%
							grade 6 events	1849	15493	2504	13372	3882	2289
								1%	19%	2%	19%	4%	2%
							grade 7 events	79830	43033	88412	38430	72429	76472
								84%	53%	86%	55%	78%	84%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	189.9849237967481	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	9.025478264247596	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	85.34899021927274	[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)	572597553.863889	572597552.83889			
Observation start date	2016-02-23T06:52:34	2016-02-23T06:52:32			
[s] Observation end time (MET)	572606098.264375	572606097.23937			
Observation end date	2016-02-23T09:14:58	2016-02-23T09:14:57			
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)	2016.02.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.067190636158

### A.2 Comments