

# V&V Reference Report

## L2 ASCDS Version : 10.4.3

Observation 51352 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jan 9 2016

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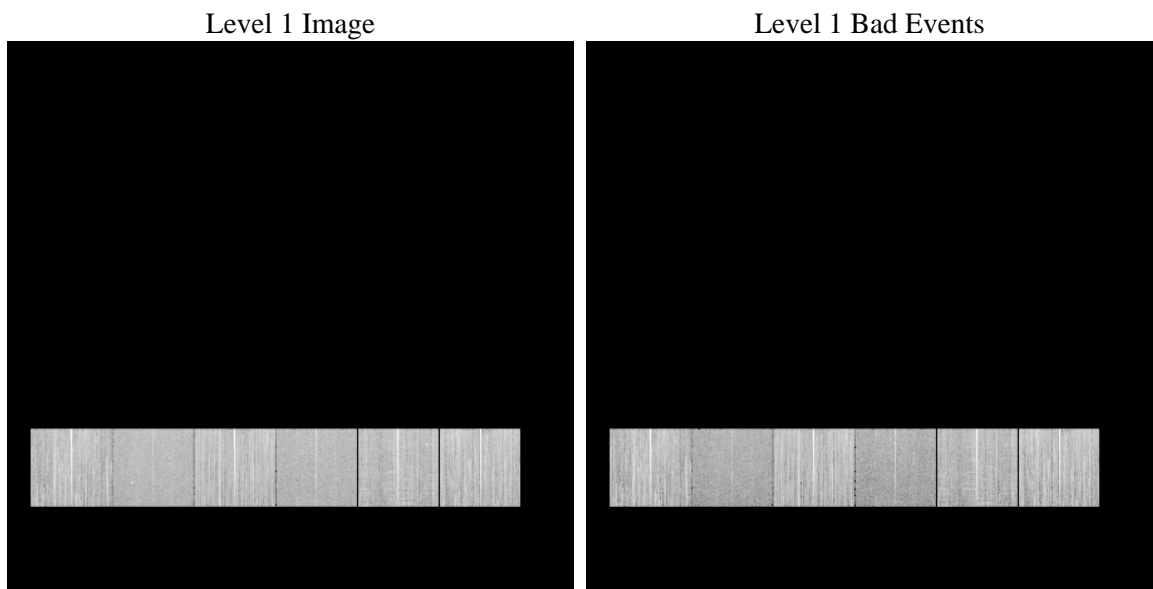
# 1 Front

seq_num	&#160	Sequence number
obs_id	51352	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	100.02676866676	Nominal RA [deg]
dec_nom	-0.49129407926937	Nominal Dec [deg]
roll_nom	337.84234533351	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8430.7930191755	Sum of GTIs [s]
livetime	8324.0372415526	Livetime [s]
ontime4	8430.669899106	Sum of GTIs [s]
ontime5	8430.7519791126	Sum of GTIs [s]
ontime6	8427.469878912	Sum of GTIs [s]
ontime7	8430.7930191755	Sum of GTIs [s]
ontime8	8430.6288591623	Sum of GTIs [s]
ontime9	8430.8340591192	Sum of GTIs [s]
l2events	187151	Number of level 2 events

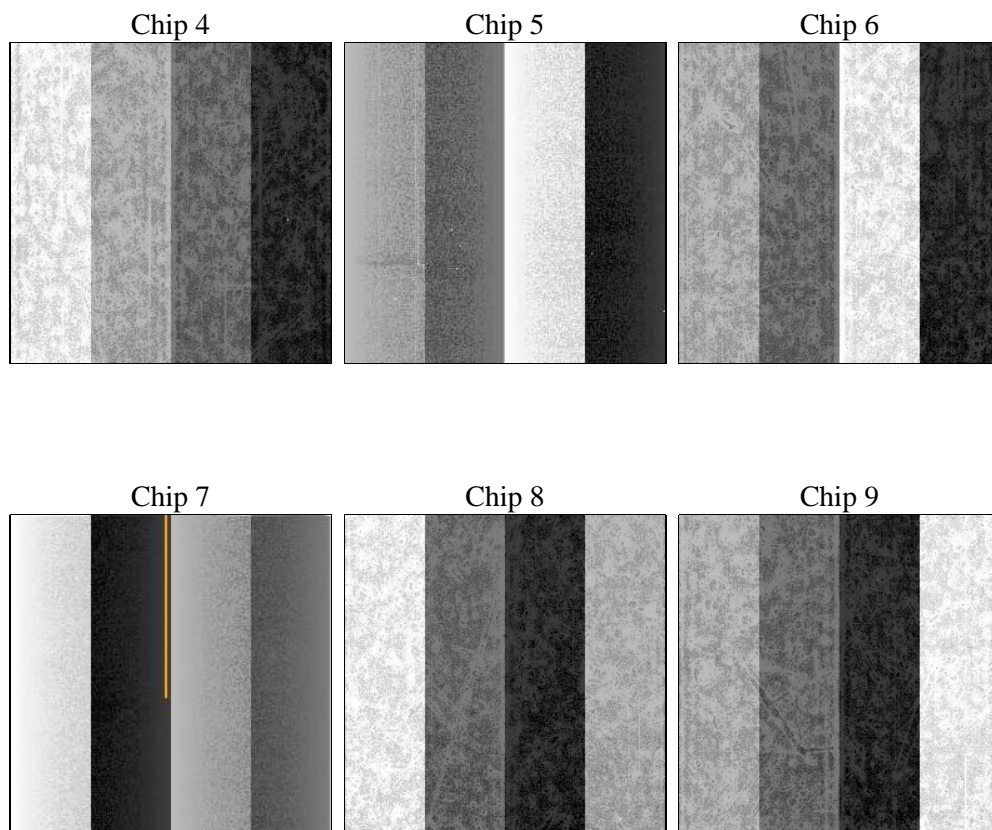
## 2 OBI

### 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	Processing system revision	ontime	8430.7930191755	Sum of GTIs [s]
caldbver	4.7.0	&#160	ontime4	8430.669899106	Sum of GTIs [s]
date	2016-01-09T19:56:29	Date and time of file creation	ontime5	8430.7519791126	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8427.469878912	Sum of GTIs [s]
			ontime7	8430.7930191755	Sum of GTIs [s]
			ontime8	8430.6288591623	Sum of GTIs [s]
			ontime9	8430.8340591192	Sum of GTIs [s]
			l1events	999147	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	178781	140648	187798	132712	168793	190415	grade 0 events	11202	3512	9157	5231	13101	9979
rejected events	156296	84656	165162	81824	136112	168123		6%	2%	4%	3%	7%	5%
rejected %	87%	60%	87%	61%	80%	88%	grade 1 events	122	216	46	106	82	74
								0%	0%	0%	0%	0%	0%
							grade 2 events	4683	20015	6270	12895	7548	5032
								2%	14%	3%	9%	4%	2%
							grade 3 events	1715	1675	1319	3401	2543	1539
								0%	1%	0%	2%	1%	0%
							grade 4 events	1578	1541	1261	3471	2515	1523
								0%	1%	0%	2%	1%	0%
							grade 5 events	3611	6247	3119	7888	4466	3694
								2%	4%	1%	5%	2%	1%
							grade 6 events	3312	29271	4633	25903	6984	4232
								1%	20%	2%	19%	4%	2%
							grade 7 events	152558	78171	161993	73817	131554	164342
								85%	55%	86%	55%	77%	86%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	100.0267686667647
[deg] Pointing Dec	0	-0.4912940792693671
[deg] Pointing Roll	0.0	337.8423453335137
[mm] SIM focus pos	-1.429586	-0.7809083437167272
[mm] SIM defocus	0.1037507710433287	0.7524282956875696
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	568713836.843235	568713835.81824
Observation start date	2016-01-09T08:03:57	2016-01-09T08:03:55
[s] Observation end time (MET)	568726315.193943	568726314.1689399
Observation end date	2016-01-09T11:31:55	2016-01-09T11:31:54
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.01.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4307930191755

### A.2 Comments