

# V&V Reference Report

## L2 ASCDS Version : 10.4.3.1

Observation 51184 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Mar 16 2016

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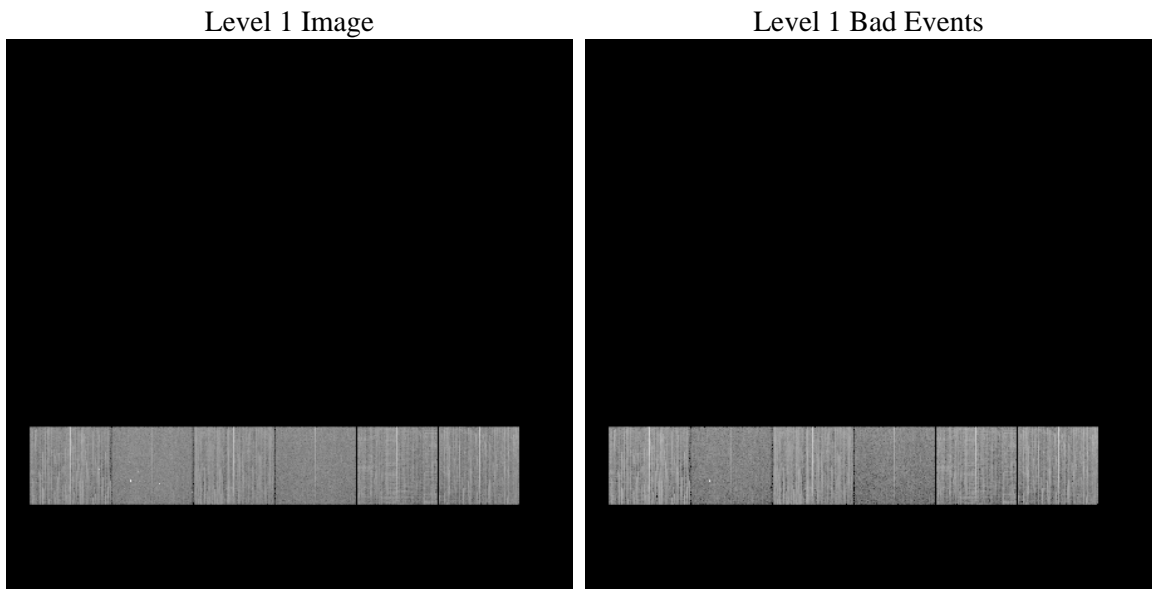
# 1 Front

seq_num	&#160	Sequence number
obs_id	51184	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	173.94605988283	Nominal RA [deg]
dec_nom	25.986369339805	Nominal Dec [deg]
roll_nom	183.74868924238	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5564.6936746836	Sum of GTIs [s]
livetime	5494.2301727185	Livetime [s]
ontime4	5564.5705546141	Sum of GTIs [s]
ontime5	5564.6526346207	Sum of GTIs [s]
ontime6	5564.611594677	Sum of GTIs [s]
ontime7	5564.6936746836	Sum of GTIs [s]
ontime8	5564.5295146704	Sum of GTIs [s]
ontime9	5564.7347146273	Sum of GTIs [s]
l2events	153740	Number of level 2 events

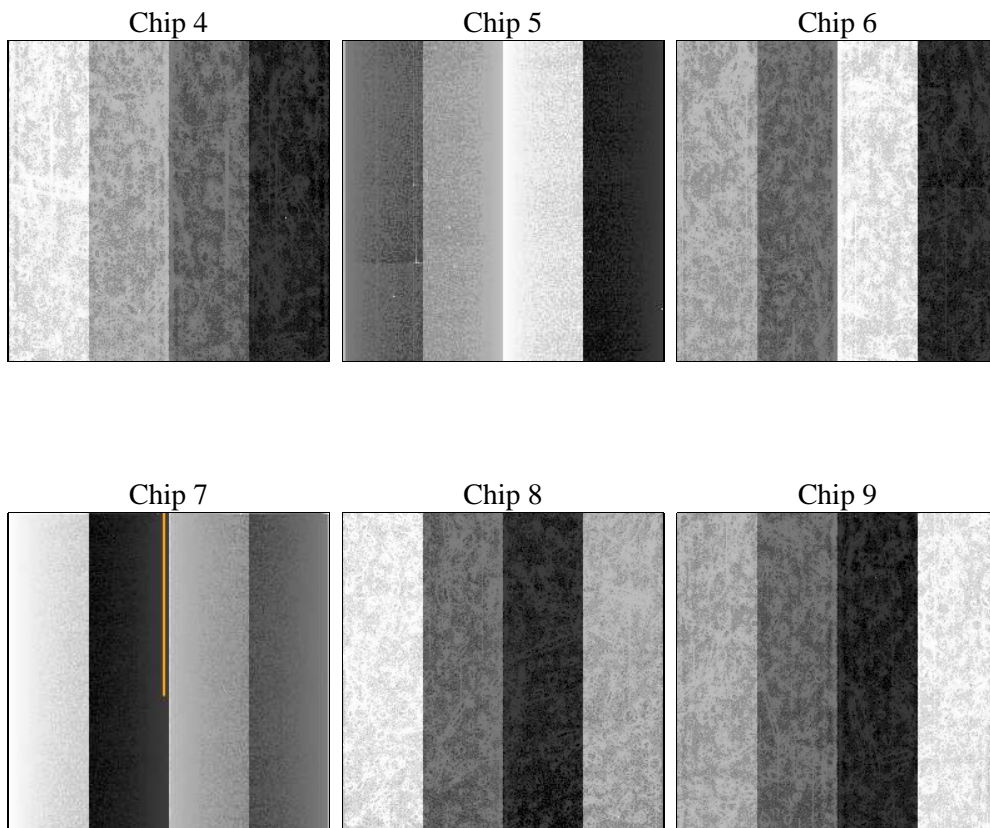
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	5564.6936746836	Sum of GTIs [s]
caldbver	4.7.0	&#160	ontime4	5564.5705546141	Sum of GTIs [s]
date	2016-03-16T05:17:21	Date and time of file creation	ontime5	5564.6526346207	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	5564.611594677	Sum of GTIs [s]
			ontime7	5564.6936746836	Sum of GTIs [s]
			ontime8	5564.5295146704	Sum of GTIs [s]
			ontime9	5564.7347146273	Sum of GTIs [s]
			l1events	711938	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	134366	103544	132026	93062	123815	125125	grade 0 events	10213	3490	7876	4394	10675	8735
rejected events	113552	59830	111433	54627	96248	104845		7%	3%	5%	4%	8%	6%
rejected %	84%	57%	84%	58%	77%	83%	grade 1 events	98	166	53	57	52	59
								0%	0%	0%	0%	0%	0%
							grade 2 events	4281	16629	5878	9945	6405	4906
								3%	16%	4%	10%	5%	3%
							grade 3 events	1508	1155	1111	2514	2137	1272
								1%	1%	0%	2%	1%	1%
							grade 4 events	1460	1156	1140	2509	1967	1189
								1%	1%	0%	2%	1%	0%
							grade 5 events	2399	4364	2152	5320	3009	2552
								1%	4%	1%	5%	2%	2%
							grade 6 events	3352	21284	4588	19073	6383	4178
								2%	20%	3%	20%	5%	3%
							grade 7 events	111055	55300	109228	49250	93187	102234
								82%	53%	82%	52%	75%	81%

## 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	173.9460598828259	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	25.98636933980514	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	183.7486892423796	[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)	574423544.253518	574423543.22852			
Observation start date	2016-03-15T10:05:44	2016-03-15T10:05:43			
[s] Observation end time (MET)	574433540.054085	574433539.02909			
Observation end date	2016-03-15T12:52:20	2016-03-15T12:52:19			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2016.03.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.5646936746836

### A.2 Comments