

# V&V Reference Report

## L2 ASCDS Version : 10.3.3

Observation 51873 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : May 24 2015

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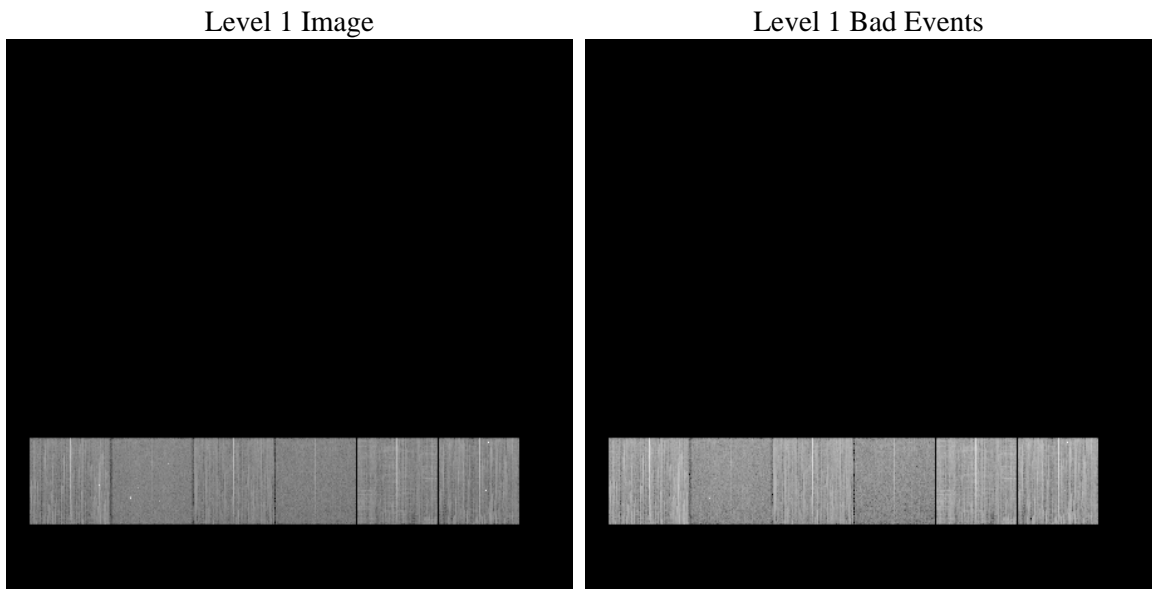
# 1 Front

seq_num	&#160	Sequence number
obs_id	51873	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	256.64646085182	Nominal RA [deg]
dec_nom	-13.646191803839	Nominal Dec [deg]
roll_nom	114.92692983565	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8176.0001218319	Sum of GTIs [s]
livetime	8072.470685293	Livetime [s]
ontime4	8175.9115797281	Sum of GTIs [s]
ontime5	8175.9936597347	Sum of GTIs [s]
ontime6	8175.952619791	Sum of GTIs [s]
ontime7	8176.0001218319	Sum of GTIs [s]
ontime8	8175.8705397844	Sum of GTIs [s]
ontime9	8176.0001218319	Sum of GTIs [s]
l2events	175456	Number of level 2 events

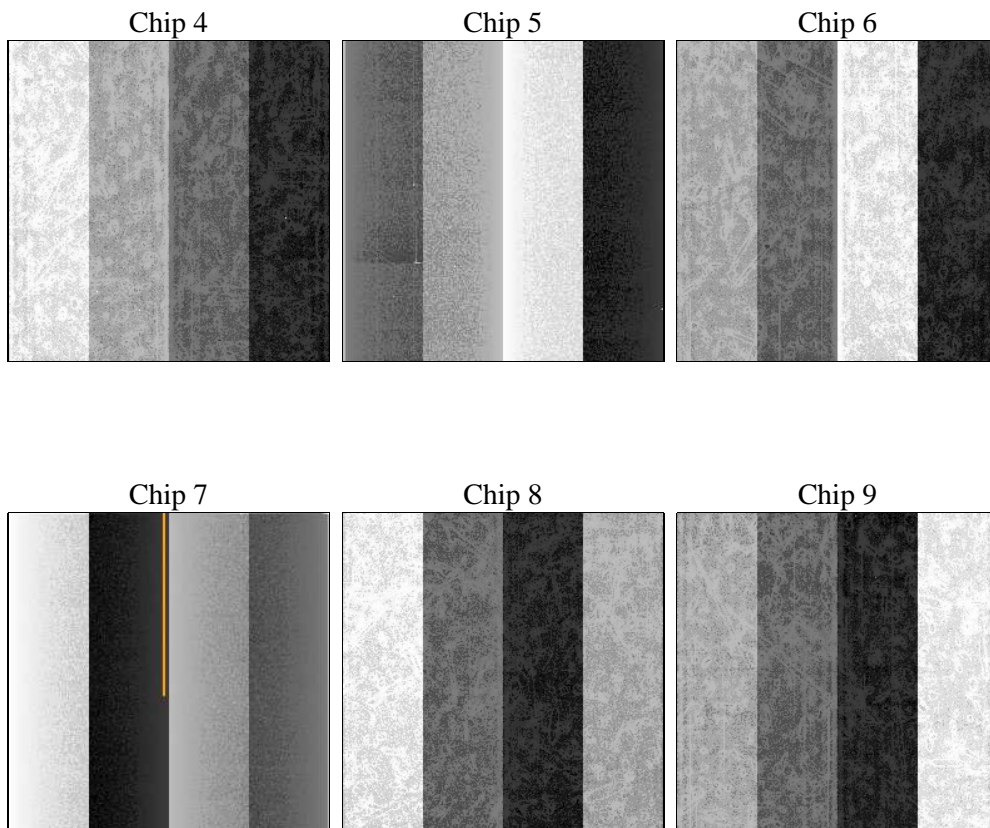
## 2 OBI

### 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	10.3.3	Processing system revision	ontime	8176.0001218319	Sum of GTIs [s]
caldsver	4.6.7	&#160	ontime4	8175.9115797281	Sum of GTIs [s]
date	2015-05-24T09:54:38	Date and time of file creation	ontime5	8175.9936597347	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8175.952619791	Sum of GTIs [s]
			ontime7	8176.0001218319	Sum of GTIs [s]
			ontime8	8175.8705397844	Sum of GTIs [s]
			ontime9	8176.0001218319	Sum of GTIs [s]
			l1events	840604	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	150449	122918	143672	112540	155155	155870	grade 0 events	13233	4540	10588	5539	13003	13113
rejected events	126702	71812	120905	66362	124560	129695		8%	3%	7%	4%	8%	8%
rejected %	84%	58%	84%	58%	80%	83%	grade 1 events	110	157	49	78	77	83
								0%	0%	0%	0%	0%	0%
							grade 2 events	4447	19066	5339	11630	6770	6500
								2%	15%	3%	10%	4%	4%
							grade 3 events	1567	1515	1500	3493	2430	1537
								1%	1%	1%	3%	1%	0%
							grade 4 events	1619	1428	1465	3492	2318	1583
								1%	1%	1%	3%	1%	1%
							grade 5 events	2957	5443	2904	7011	3956	3422
								1%	4%	2%	6%	2%	2%
							grade 6 events	3206	25190	4171	22642	6461	3791
								2%	20%	2%	20%	4%	2%
							grade 7 events	123310	65579	117656	58655	120140	125841
								81%	53%	81%	52%	77%	80%

## 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	OVERRIDE	OVERRIDE
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	256.6464608518206	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-13.64619180383924	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	114.9269298356495	[s] Primary exposure time	3.2	3.2
SIM focus pos (mm)	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
SIM translation stage pos (mm)	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	548793759.4296499	548793759.4296499			
Observation start date	2015-05-23T18:42:39	2015-05-23T18:42:39			
[s] Observation end time (MET)	548803308.980376	548803308.980376			
Observation end date	2015-05-23T21:21:49	2015-05-23T21:21:48			
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)	2015.05.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1760001218319

### A.2 Comments