

# V&V Reference Report

## L2 ASCDS Version : 10.4

Observation 51852 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jun 5 2015

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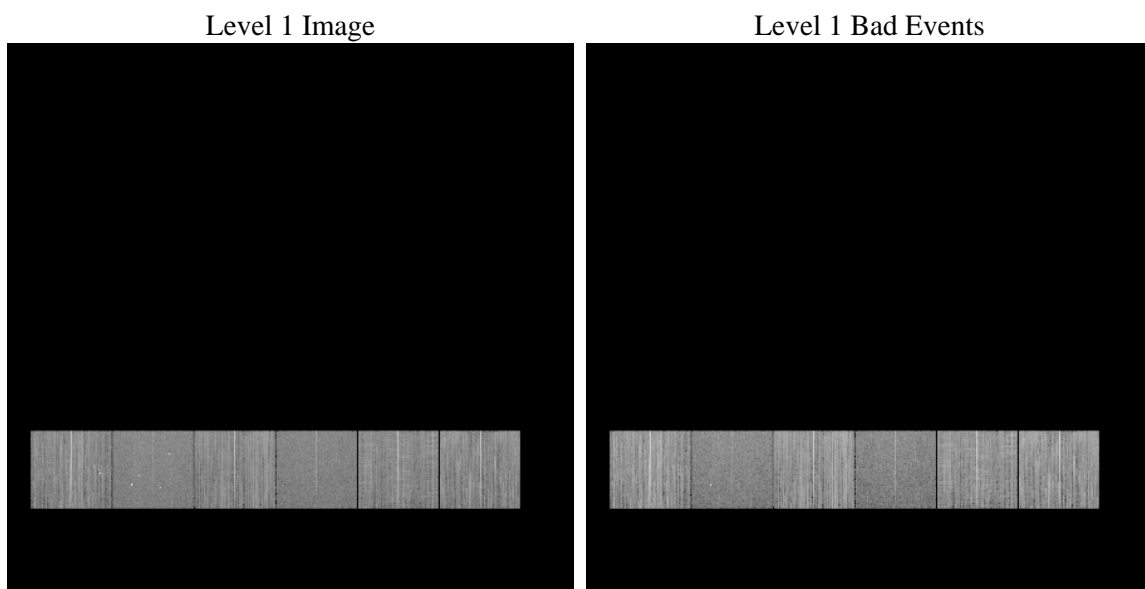
# 1 Front

seq_num	&#160	Sequence number
obs_id	51852	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	276.85644547567	Nominal RA [deg]
dec_nom	-5.4985660706533	Nominal Dec [deg]
roll_nom	127.4315893603	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8153.6001214981	Sum of GTIs [s]
livetime	8050.3543272511	Livetime [s]
ontime4	8153.6001214981	Sum of GTIs [s]
ontime5	8153.6001214981	Sum of GTIs [s]
ontime6	8153.6001214981	Sum of GTIs [s]
ontime7	8153.6001214981	Sum of GTIs [s]
ontime8	8153.6001214981	Sum of GTIs [s]
ontime9	8153.6001214981	Sum of GTIs [s]
l2events	179926	Number of level 2 events

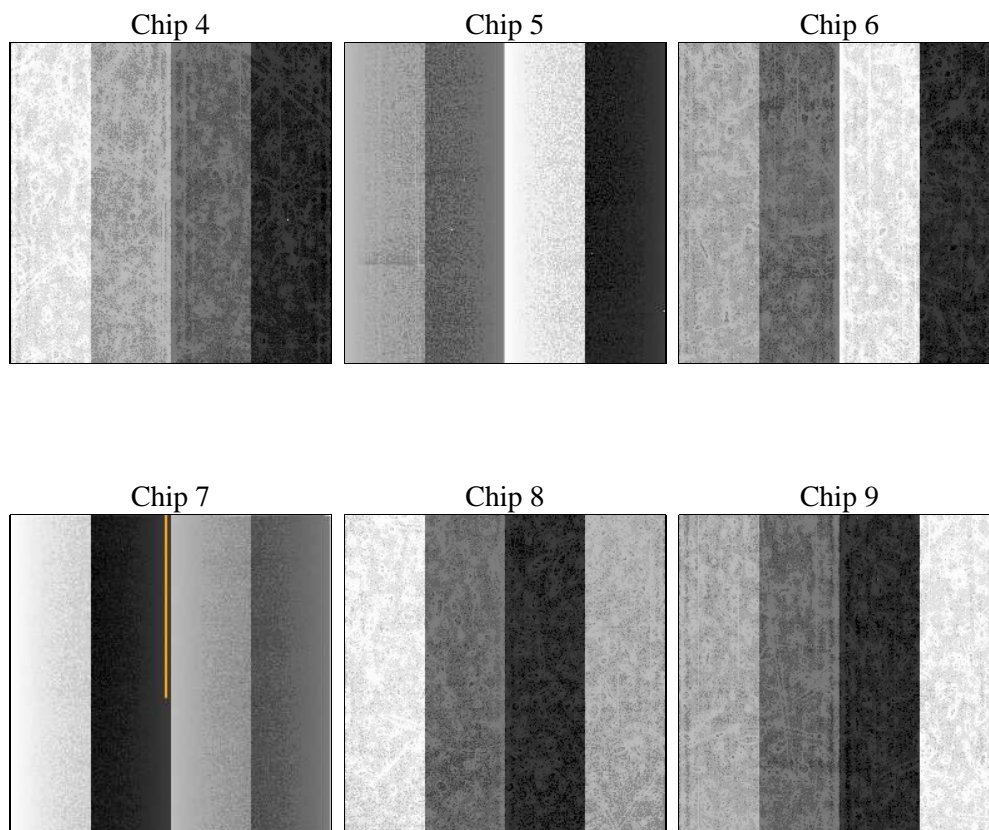
## 2 OBI

### 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	Processing system revision	ontime	8153.6001214981	Sum of GTIs [s]
caldsver	4.6.7	&#160	ontime4	8153.6001214981	Sum of GTIs [s]
date	2015-06-05T18:44:21	Date and time of file creation	ontime5	8153.6001214981	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8153.6001214981	Sum of GTIs [s]
			ontime7	8153.6001214981	Sum of GTIs [s]
			ontime8	8153.6001214981	Sum of GTIs [s]
			ontime9	8153.6001214981	Sum of GTIs [s]
			l1events	890645	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	160811	133955	161330	117834	156266	160449	grade 0 events	13505	9008	10807	6065	13790	11166
rejected events	136856	76163	138631	69514	123704	137923		8%	6%	6%	5%	8%	6%
rejected %	85%	56%	85%	58%	79%	85%	grade 1 events	122	160	62	91	82	72
								0%	0%	0%	0%	0%	0%
							grade 2 events	4439	20507	4916	12094	6969	4519
								2%	15%	3%	10%	4%	2%
							grade 3 events	1643	1734	1581	3800	2676	1650
								1%	1%	0%	3%	1%	1%
							grade 4 events	1565	1661	1563	3746	2605	1598
								0%	1%	0%	3%	1%	0%
							grade 5 events	3162	6143	3109	7671	4184	3632
								1%	4%	1%	6%	2%	2%
							grade 6 events	3200	25784	4176	23418	7000	3942
								1%	19%	2%	19%	4%	2%
							grade 7 events	133175	68958	135116	60949	118960	133870
								82%	51%	83%	51%	76%	83%

## 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	276.856445475672	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-5.498566070653295	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	127.4315893603043	[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)	549704580.630762	549704580.630762			
Observation start date	2015-06-03T07:43:01	2015-06-03T07:43:00			
[s] Observation end time (MET)	549714128.9086781	549714128.9086781			
Observation end date	2015-06-03T10:22:09	2015-06-03T10:22:08			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## **A Summary**

### **A.1 Status**

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1536001214981

### **A.2 Comments**