

# V&V Reference Report

## L2 ASCDS Version : 10.2.4

Observation 52386 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Oct 16 2014

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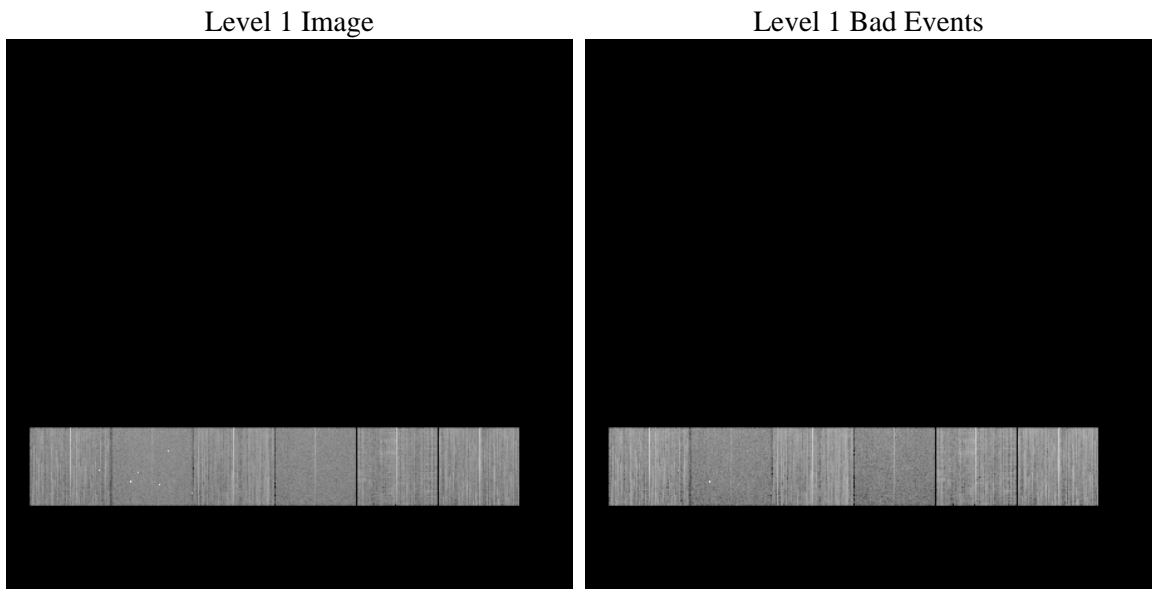
# 1 Front

seq_num	&#160	Sequence number
obs_id	52386	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	351.97246408004	Nominal RA [deg]
dec_nom	-7.83641618341	Nominal Dec [deg]
roll_nom	299.43183481488	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7801.5999709964	Sum of GTIs [s]
livetime	7702.8114146041	Livetime [s]
ontime4	7801.5999709964	Sum of GTIs [s]
ontime5	7801.5999709964	Sum of GTIs [s]
ontime6	7801.5999709964	Sum of GTIs [s]
ontime7	7801.5999709964	Sum of GTIs [s]
ontime8	7801.5999709964	Sum of GTIs [s]
ontime9	7801.5999709964	Sum of GTIs [s]
l2events	191037	Number of level 2 events

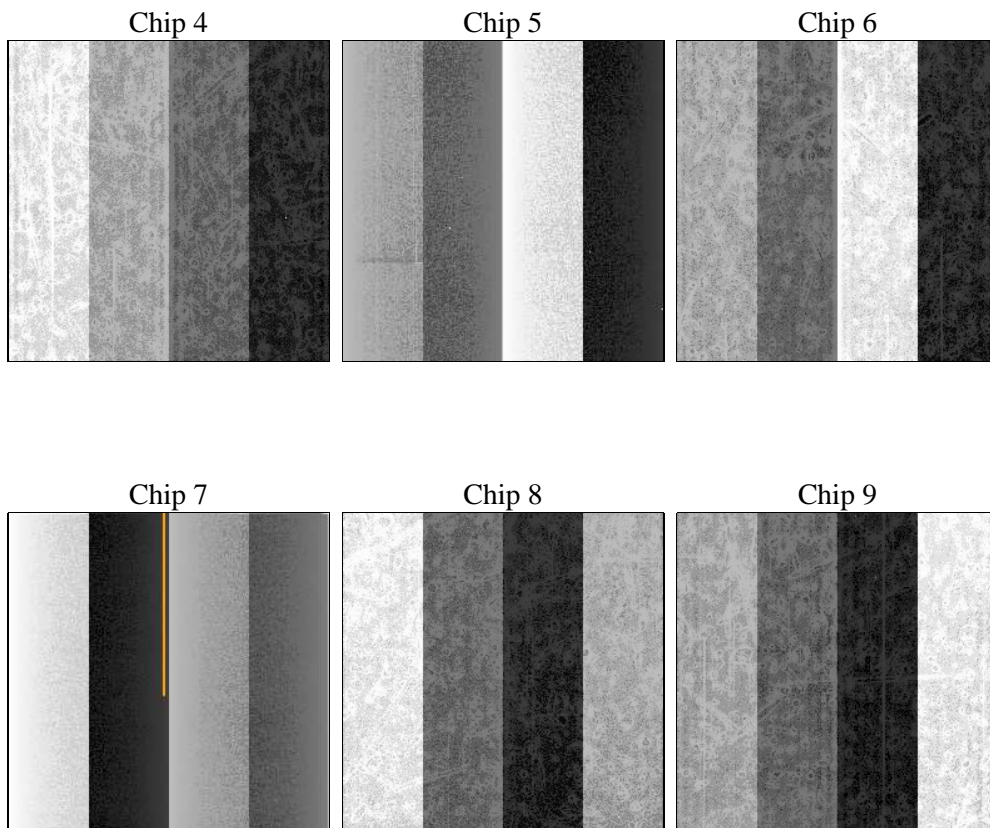
## 2 OBI

### 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	10.2.4	Processing system revision	ontime	7801.5999709964	Sum of GTIs [s]
caldbver	4.6.3	&#160	ontime4	7801.5999709964	Sum of GTIs [s]
date	2014-10-16T16:44:22	Date and time of file creation	ontime5	7801.5999709964	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7801.5999709964	Sum of GTIs [s]
			ontime7	7801.5999709964	Sum of GTIs [s]
			ontime8	7801.5999709964	Sum of GTIs [s]
			ontime9	7801.5999709964	Sum of GTIs [s]
			l1events	932931	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	161318	142286	170521	125549	159513	173744	grade 0 events	15283	9600	12485	6620	15123	12783
rejected events	135364	83280	145681	75552	126107	149095		9%	6%	7%	5%	9%	7%
rejected %	83%	58%	85%	60%	79%	85%	grade 1 events	98	180	51	86	78	86
								0%	0%	0%	0%	0%	0%
							grade 2 events	4973	21669	5682	13001	7557	5175
								3%	15%	3%	10%	4%	2%
							grade 3 events	1904	1818	1669	4072	2855	1781
								1%	1%	0%	3%	1%	1%
							grade 4 events	1890	1825	1744	4142	2843	1829
								1%	1%	1%	3%	1%	1%
							grade 5 events	3352	6199	3212	7872	4309	3613
								2%	4%	1%	6%	2%	2%
							grade 6 events	3560	27813	4823	25273	7116	4620
								2%	19%	2%	20%	4%	2%
							grade 7 events	130258	73182	140855	64483	119632	143857
								80%	51%	82%	51%	74%	82%

## 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	351.9724640800439
[deg] Pointing Dec	0	-7.836416183409975
[deg] Pointing Roll	0.0	299.431834814878
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	529830016.070462	529830016.070462
Observation start date	2014-10-16T07:00:16	2014-10-16T07:00:16
[s] Observation end time (MET)	529838306.888063	529838306.888063
Observation end date	2014-10-16T09:18:27	2014-10-16T09:18:26
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
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)	2014.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8015999709964

### A.2 Comments