

# V&V Reference Report

## L2 ASCDS Version : 10.3.3

Observation 52072 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Feb 18 2015

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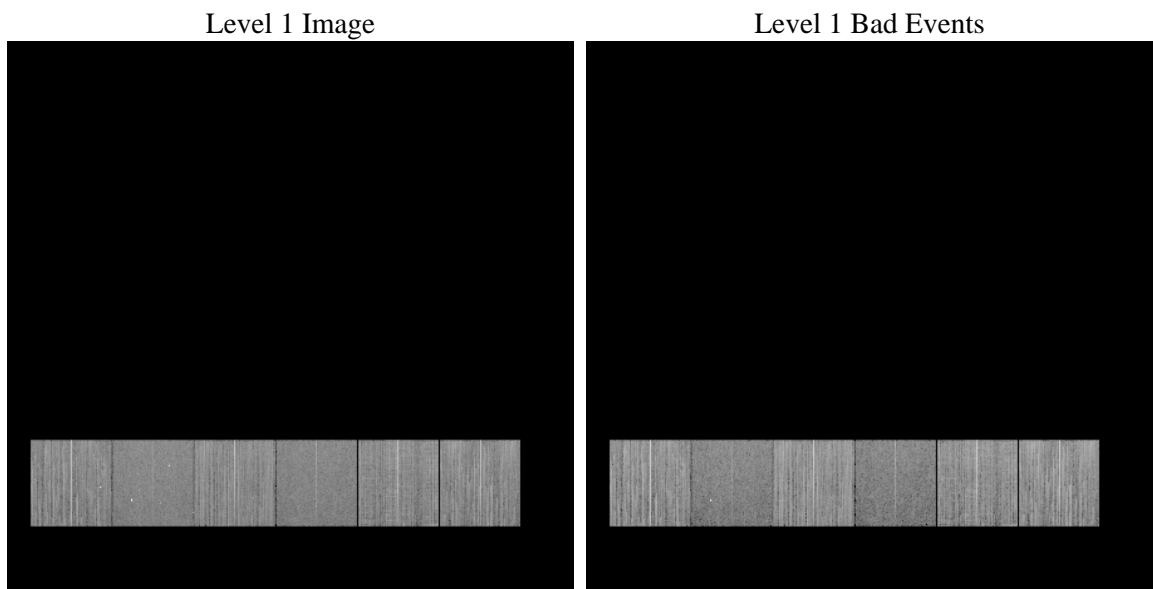
# 1 Front

seq_num	&#160	Sequence number
obs_id	52072	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	147.09980339998	Nominal RA [deg]
dec_nom	35.828989589075	Nominal Dec [deg]
roll_nom	186.67792925246	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8102.4001207352	Sum of GTIs [s]
livetime	7999.8026517268	Livetime [s]
ontime4	8102.4001207352	Sum of GTIs [s]
ontime5	8102.4001207352	Sum of GTIs [s]
ontime6	8102.4001207352	Sum of GTIs [s]
ontime7	8102.4001207352	Sum of GTIs [s]
ontime8	8102.4001207352	Sum of GTIs [s]
ontime9	8102.4001207352	Sum of GTIs [s]
l2events	183511	Number of level 2 events

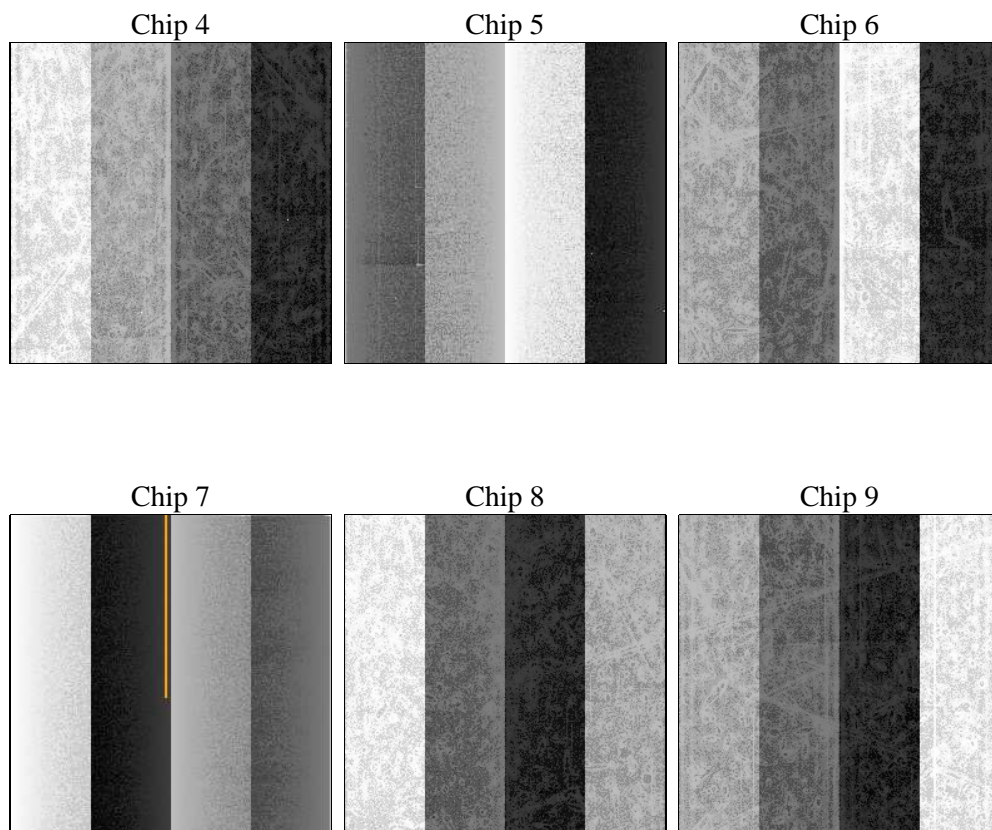
## 2 OBI

### 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	8102.4001207352	Sum of GTIs [s]
caldsver	4.6.6	&#160	ontime4	8102.4001207352	Sum of GTIs [s]
date	2015-02-18T05:30:04	Date and time of file creation	ontime5	8102.4001207352	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8102.4001207352	Sum of GTIs [s]
			ontime7	8102.4001207352	Sum of GTIs [s]
			ontime8	8102.4001207352	Sum of GTIs [s]
			ontime9	8102.4001207352	Sum of GTIs [s]
			l1events	849454	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	150483	126743	152207	114626	152127	153268	grade 0 events	13434	5743	11478	6358	14450	11596
rejected events	126149	72894	128635	66075	118696	130099		8%	4%	7%	5%	9%	7%
rejected %	83%	57%	84%	57%	78%	84%	grade 1 events	94	273	71	89	94	75
								0%	0%	0%	0%	0%	0%
							grade 2 events	4657	20039	4995	12152	7146	4766
								3%	15%	3%	10%	4%	3%
							grade 3 events	1747	1958	1577	3988	2870	1620
								1%	1%	1%	3%	1%	1%
							grade 4 events	1724	1889	1672	3945	2737	1657
								1%	1%	1%	3%	1%	1%
							grade 5 events	3134	6168	3061	7418	4118	3509
								2%	4%	2%	6%	2%	2%
							grade 6 events	3257	25301	4303	23026	6814	4028
								2%	19%	2%	20%	4%	2%
							grade 7 events	122436	65372	125050	57650	113898	126017
								81%	51%	82%	50%	74%	82%

## 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	147.0998033999767	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	35.82898958907545	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	186.6779292524603	[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)	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	540565854.36887	540565854.36887			
Observation start date	2015-02-17T13:10:54	2015-02-17T13:10:54			
[s] Observation end time (MET)	540574352.2852449	540574352.2852449			
Observation end date	2015-02-17T15:32:32	2015-02-17T15:32:32			
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)	2015.02.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1024001207352

### A.2 Comments