

# V&V Reference Report

## L2 ASCDS Version : 10.2.4

Observation 52366 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Oct 21 2014

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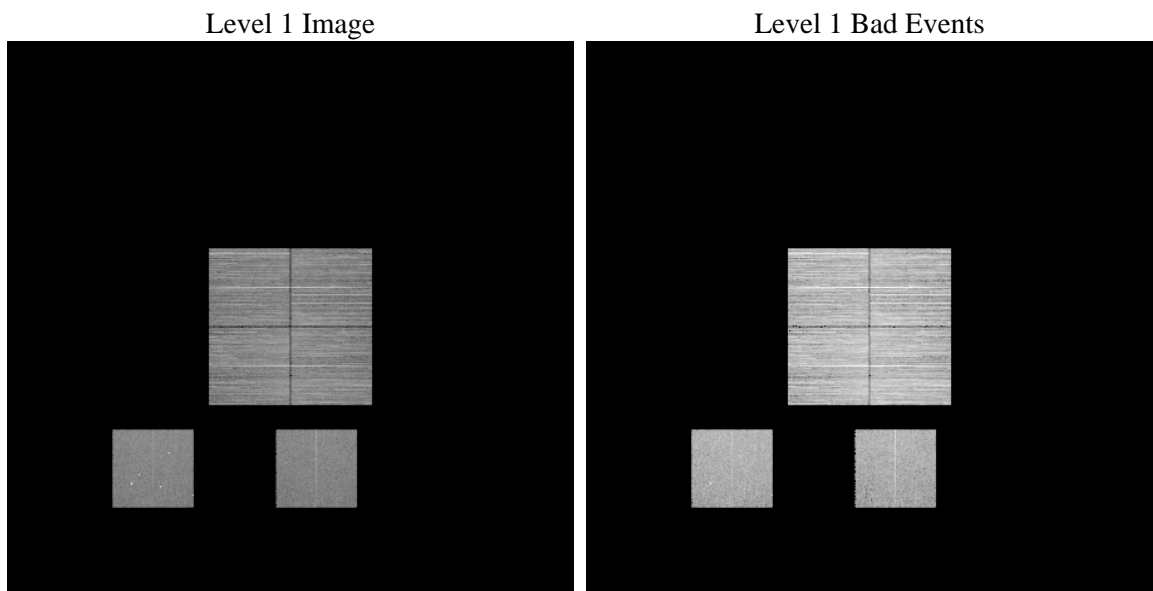
# 1 Front

seq_num	&#160	Sequence number
obs_id	52366	Observation id
title	ACIS-012357 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	190.9435856523	Nominal RA [deg]
dec_nom	-60.007060895563	Nominal Dec [deg]
roll_nom	160.90425790651	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7846.3999708295	Sum of GTIs [s]
livetime	7747.044129864	Livetime [s]
ontime0	7846.3975254893	Sum of GTIs [s]
ontime1	7846.356485486	Sum of GTIs [s]
ontime2	7846.3154454827	Sum of GTIs [s]
ontime3	7846.3999708295	Sum of GTIs [s]
ontime5	7846.2744054794	Sum of GTIs [s]
ontime7	7846.3999708295	Sum of GTIs [s]
l2events	194407	Number of level 2 events

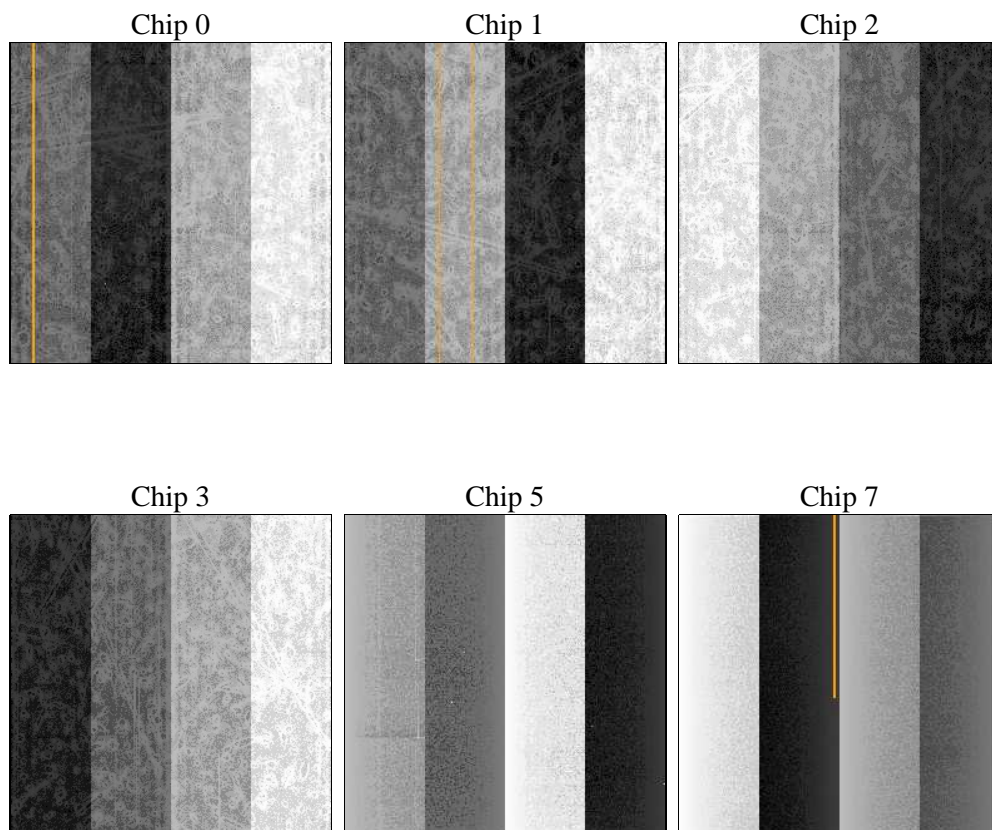
## 2 OBI

### 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	7846.3999708295	Sum of GTIs [s]
caldsver	4.6.3	&#160	ontime0	7846.3975254893	Sum of GTIs [s]
date	2014-10-22T03:13:30	Date and time of file creation	ontime1	7846.356485486	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7846.3154454827	Sum of GTIs [s]
			ontime3	7846.3999708295	Sum of GTIs [s]
			ontime5	7846.2744054794	Sum of GTIs [s]
			ontime7	7846.3999708295	Sum of GTIs [s]
			l1events	859632	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	149591	146193	152454	155337	135471	120586	grade 0 events	12376	11983	12796	12796	12604	7029
rejected events	124889	121178	127613	130391	71595	69735		8%	8%	8%	8%	9%	5%
rejected %	83%	82%	83%	83%	52%	57%	grade 1 events	65	64	105	93	308	79
								0%	0%	0%	0%	0%	0%
							grade 2 events	5228	5692	4954	5030	22196	12830
								3%	3%	3%	3%	16%	10%
							grade 3 events	1778	1694	1799	1833	2027	4098
								1%	1%	1%	1%	1%	3%
							grade 4 events	1644	1662	1817	1749	1997	4107
								1%	1%	1%	1%	1%	3%
							grade 5 events	2808	2855	2716	3227	5915	7417
								1%	1%	1%	2%	4%	6%
							grade 6 events	4196	4511	4057	4104	26400	23990
								2%	3%	2%	2%	19%	19%
							grade 7 events	121496	117732	124210	126505	64024	61036
								81%	80%	81%	81%	47%	50%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	190.9435856523044
[deg] Pointing Dec	0	-60.00706089556279
[deg] Pointing Roll	0.0	160.9042579065117
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)	530285593.745772	530285593.745772
Observation start date	2014-10-21T13:33:14	2014-10-21T13:33:13
[s] Observation end time (MET)	530294871.158948	530294871.158948
Observation end date	2014-10-21T16:07:51	2014-10-21T16:07:51
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8463999708295

### A.2 Comments