

# V&V Reference Report

## L2 ASCDS Version : 10.3.3

Observation 52127 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jan 27 2015

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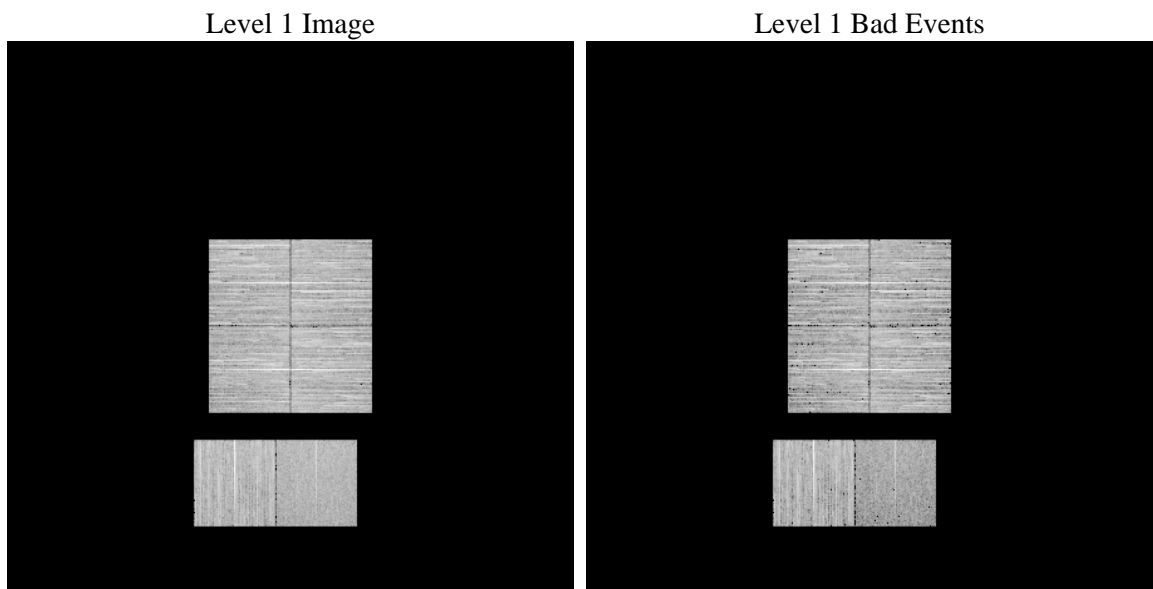
# 1 Front

seq_num	&#160	Sequence number
obs_id	52127	Observation id
title	ACIS-012367 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	110.02917137142	Nominal RA [deg]
dec_nom	0.99327201795214	Nominal Dec [deg]
roll_nom	313.93808827017	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5307.354572773	Sum of GTIs [s]
livetime	5240.1496534673	Livetime [s]
ontime0	5307.3135327101	Sum of GTIs [s]
ontime1	5307.2724927664	Sum of GTIs [s]
ontime2	5307.2314527035	Sum of GTIs [s]
ontime3	5307.3956127167	Sum of GTIs [s]
ontime6	5307.1904127598	Sum of GTIs [s]
ontime7	5307.354572773	Sum of GTIs [s]
l2events	99242	Number of level 2 events

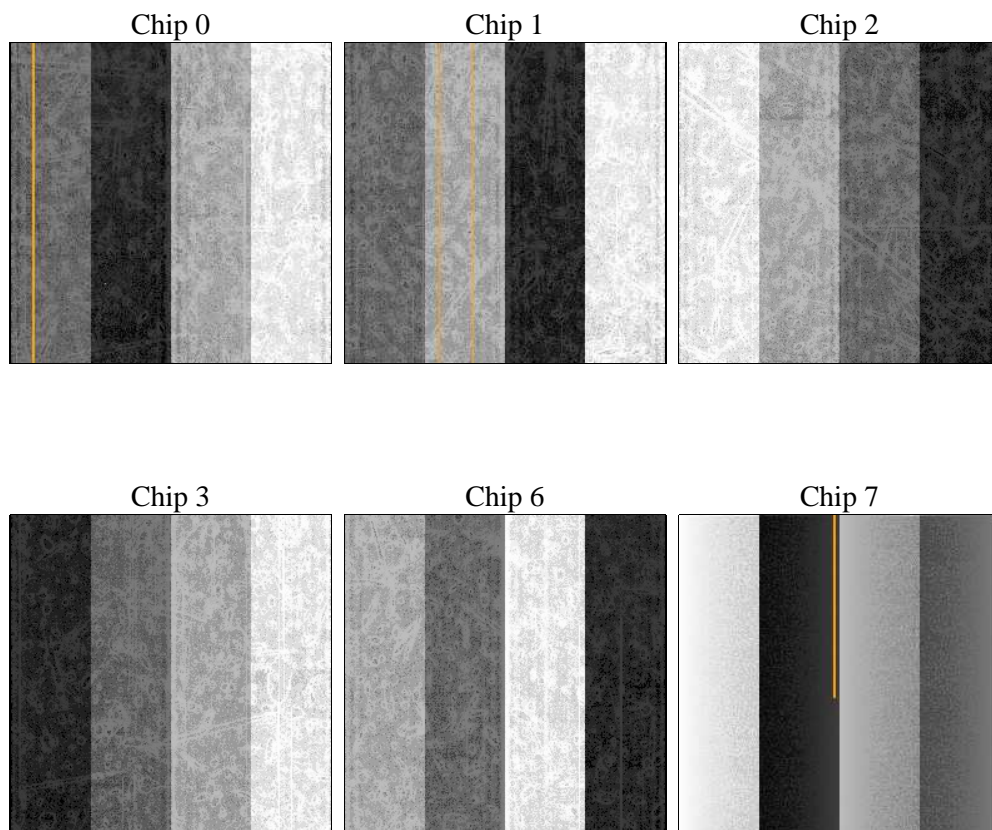
## 2 OBI

### 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	10.3.3	Processing system revision	ontime	5307.354572773	Sum of GTIs [s]
caldbver	4.6.6	&#160	ontime0	5307.3135327101	Sum of GTIs [s]
date	2015-01-27T20:31:17	Date and time of file creation	ontime1	5307.2724927664	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5307.2314527035	Sum of GTIs [s]
			ontime3	5307.3956127167	Sum of GTIs [s]
			ontime6	5307.1904127598	Sum of GTIs [s]
			ontime7	5307.354572773	Sum of GTIs [s]
			l1events	533144	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	93749	91999	85369	97046	91927	73054	grade 0 events	7369	7025	7630	7472	7371	4002
rejected events	78944	76962	70778	82319	76455	42472		7%	7%	8%	7%	8%	5%
rejected %	84%	83%	82%	84%	83%	58%	grade 1 events	38	37	48	46	28	61
								0%	0%	0%	0%	0%	0%
							grade 2 events	3175	3577	2909	3045	3515	7877
								3%	3%	3%	3%	3%	10%
							grade 3 events	1049	993	1057	1045	1058	2386
								1%	1%	1%	1%	1%	3%
							grade 4 events	1031	1005	992	1028	1013	2312
								1%	1%	1%	1%	1%	3%
							grade 5 events	1837	1748	1729	2042	1897	4486
								1%	1%	2%	2%	2%	6%
							grade 6 events	2442	2729	2298	2436	2851	14630
								2%	2%	2%	2%	3%	20%
							grade 7 events	76808	74885	68706	79932	74194	37300
								81%	81%	80%	82%	80%	51%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	110.0291713714211
[deg] Pointing Dec	0	0.9932720179521426
[deg] Pointing Roll	0.0	313.938088270166
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)	538741067.266945	538741067.266945
Observation start date	2015-01-27T10:17:47	2015-01-27T10:17:47
[s] Observation end time (MET)	538747609.2110111	538747609.2110111
Observation end date	2015-01-27T12:06:49	2015-01-27T12:06:49
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.01.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.307354572773

### A.2 Comments