

# V&V Reference Report

## L2 ASCDS Version : 10.4.3.1

Observation 51254 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Feb 18 2016

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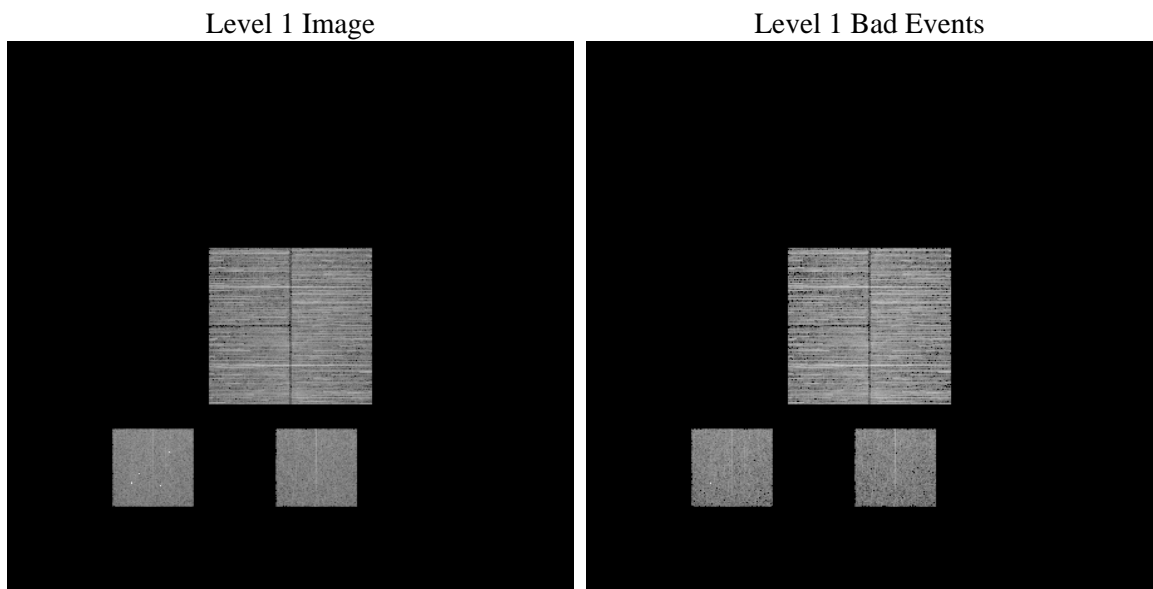
# 1 Front

seq_num	&#160	Sequence number
obs_id	51254	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	276.99603261779	Nominal RA [deg]
dec_nom	18.028847797976	Nominal Dec [deg]
roll_nom	64.108824520994	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3276.6578005552	Sum of GTIs [s]
livetime	3235.1667865181	Livetime [s]
ontime0	3276.6988507509	Sum of GTIs [s]
ontime1	3276.7157865763	Sum of GTIs [s]
ontime2	3276.7157865763	Sum of GTIs [s]
ontime3	3276.6167707443	Sum of GTIs [s]
ontime5	3276.6938647032	Sum of GTIs [s]
ontime7	3276.6578005552	Sum of GTIs [s]
l2events	73174	Number of level 2 events

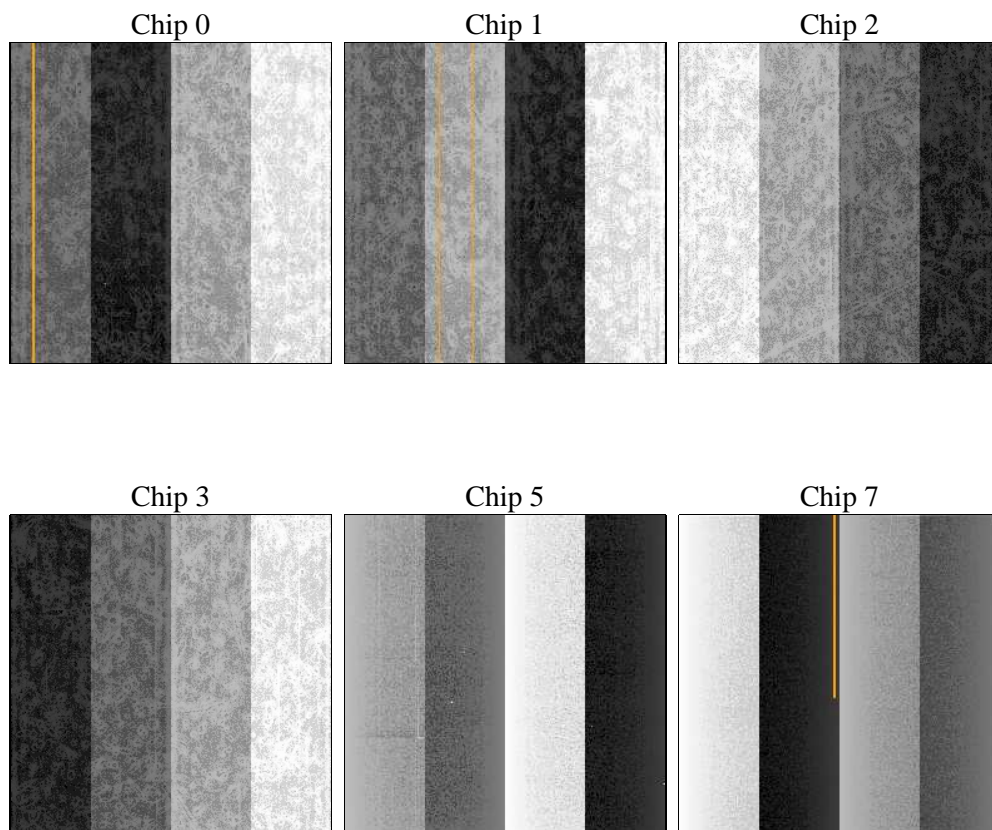
## 2 OBI

### 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	10.4.3.1	Processing system revision	ontime	3276.6578005552	Sum of GTIs [s]
caldbver	4.7.0	&#160	ontime0	3276.6988507509	Sum of GTIs [s]
date	2016-02-18T15:28:05	Date and time of file creation	ontime1	3276.7157865763	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3276.7157865763	Sum of GTIs [s]
			ontime3	3276.6167707443	Sum of GTIs [s]
			ontime5	3276.6938647032	Sum of GTIs [s]
			ontime7	3276.6578005552	Sum of GTIs [s]
			l1events	383045	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	64314	71904	65801	70042	58819	52165	grade 0 events	3838	3614	3957	4256	4050	2343
rejected events	55743	62983	57462	61186	33663	31688		5%	5%	6%	6%	6%	4%
rejected %	86%	87%	87%	87%	57%	60%	grade 1 events	26	17	30	29	308	35
								0%	0%	0%	0%	0%	0%
							grade 2 events	2008	2460	1802	1847	8227	5053
								3%	3%	2%	2%	13%	9%
							grade 3 events	587	531	590	627	682	1471
								0%	0%	0%	0%	1%	2%
							grade 4 events	576	597	607	621	668	1378
								0%	0%	0%	0%	1%	2%
							grade 5 events	1250	1224	1162	1316	2652	3080
								1%	1%	1%	1%	4%	5%
							grade 6 events	1562	1719	1383	1505	11529	10232
								2%	2%	2%	2%	19%	19%
							grade 7 events	54467	61742	56270	59841	30703	28573
								84%	85%	85%	85%	52%	54%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
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	276.9960326177896	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	18.0288477979761	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	64.10882452099439	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	572100090.585591	572100089.56059			
Observation start date	2016-02-17T12:41:31	2016-02-17T12:41:29			
[s] Observation end time (MET)	572116170.786505	572116169.7615			
Observation end date	2016-02-17T17:09:31	2016-02-17T17:09:29			
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)	2016.02.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2766578005552

### **A.2 Comments**