

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 53734 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : May 1 2013

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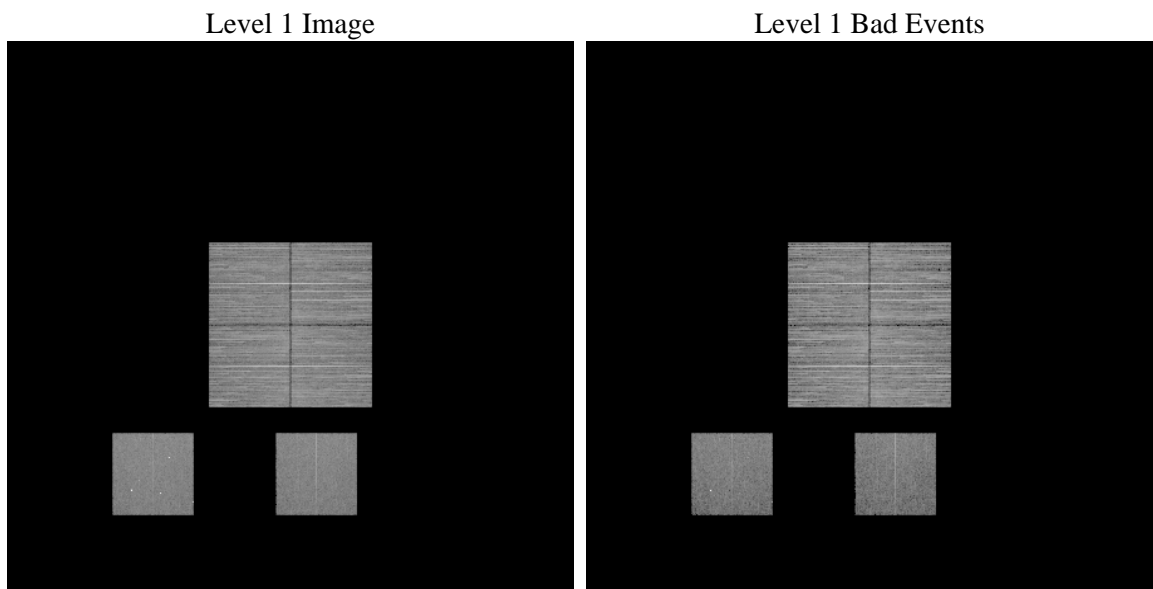
# 1 Front

seq_num	&#160	Sequence number
obs_id	53734	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	257.08392002802	Nominal RA [deg]
dec_nom	1.6865818966061	Nominal Dec [deg]
roll_nom	120.35940070904	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8102.3999698758	Sum of GTIs [s]
livetime	7999.8025027777	Livetime [s]
ontime0	8102.3999698758	Sum of GTIs [s]
ontime1	8102.3999698758	Sum of GTIs [s]
ontime2	8102.3999698758	Sum of GTIs [s]
ontime3	8102.3999698758	Sum of GTIs [s]
ontime5	8102.3999698758	Sum of GTIs [s]
ontime7	8102.3999698758	Sum of GTIs [s]
l2events	241798	Number of level 2 events

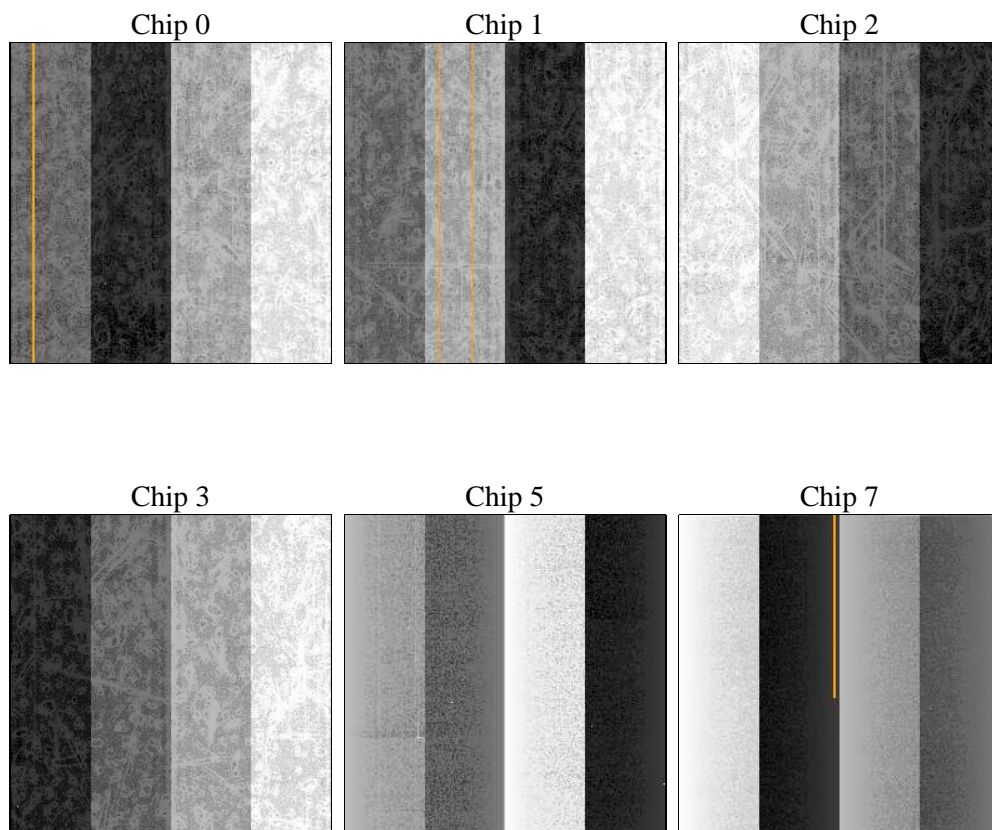
## 2 OBI

### 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	8.5.1.1	Processing system revision	ontime	8102.3999698758	Sum of GTIs [s]
caldsver	4.5.6	&#160	ontime0	8102.3999698758	Sum of GTIs [s]
date	2013-05-01T04:08:24	Date and time of file creation	ontime1	8102.3999698758	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8102.3999698758	Sum of GTIs [s]
			ontime3	8102.3999698758	Sum of GTIs [s]
			ontime5	8102.3999698758	Sum of GTIs [s]
			ontime7	8102.3999698758	Sum of GTIs [s]
			l1events	951763	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	162107	167625	171071	169235	146624	135101	grade 0 events	16738	16577	17366	17386	9517	9080
rejected events	129626	134964	138529	136459	80103	74377		10%	9%	10%	10%	6%	6%
rejected %	79%	80%	80%	80%	54%	55%	grade 1 events	92	90	99	90	776	95
								0%	0%	0%	0%	0%	0%
							grade 2 events	6751	6845	6315	6242	23857	15226
								4%	4%	3%	3%	16%	11%
							grade 3 events	2236	2182	2356	2294	2608	5228
								1%	1%	1%	1%	1%	3%
							grade 4 events	2219	2286	2310	2380	2579	5102
								1%	1%	1%	1%	1%	3%
							grade 5 events	3073	3148	2972	3461	7517	8330
								1%	1%	1%	2%	5%	6%
							grade 6 events	5341	5560	4924	5181	29320	27452
								3%	3%	2%	3%	19%	20%
							grade 7 events	125657	130937	134729	132201	70450	64588
								77%	78%	78%	78%	48%	47%

## 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	257.0839200280166
[deg] Pointing Dec	0	1.686581896606099
[deg] Pointing Roll	0.0	120.3594007090449
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)	483674208.184859	483674208.184859
Observation start date	2013-04-30T01:56:48	2013-04-30T01:56:48
[s] Observation end time (MET)	483682634.067396	483682634.067396
Observation end date	2013-04-30T04:17:14	2013-04-30T04:17:14
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)	2013.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1023999698758

### A.2 Comments