

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 54077 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Dec 24 2012

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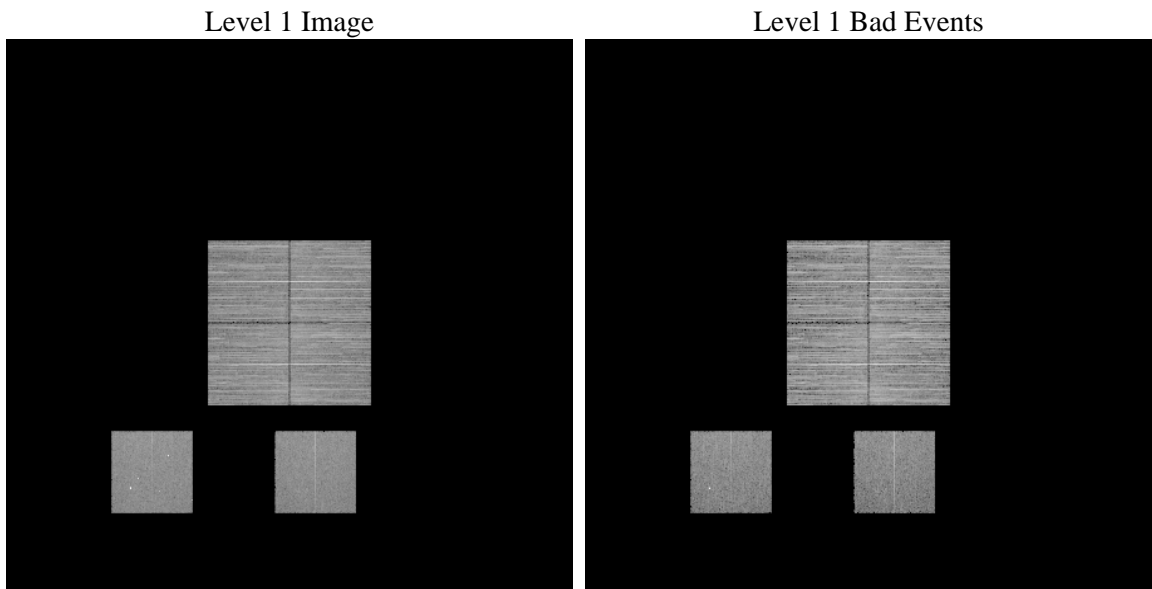
# 1 Front

seq_num	&#160	Sequence number
obs_id	54077	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	124.96332824376	Nominal RA [deg]
dec_nom	8.6615340291092	Nominal Dec [deg]
roll_nom	60.515372663266	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7001.5999739766	Sum of GTIs [s]
livetime	6912.9414992488	Livetime [s]
ontime0	7001.5999739766	Sum of GTIs [s]
ontime1	7001.5999739766	Sum of GTIs [s]
ontime2	7001.5999739766	Sum of GTIs [s]
ontime3	7001.5999739766	Sum of GTIs [s]
ontime5	7001.5999739766	Sum of GTIs [s]
ontime7	7001.5999739766	Sum of GTIs [s]
l2events	219658	Number of level 2 events

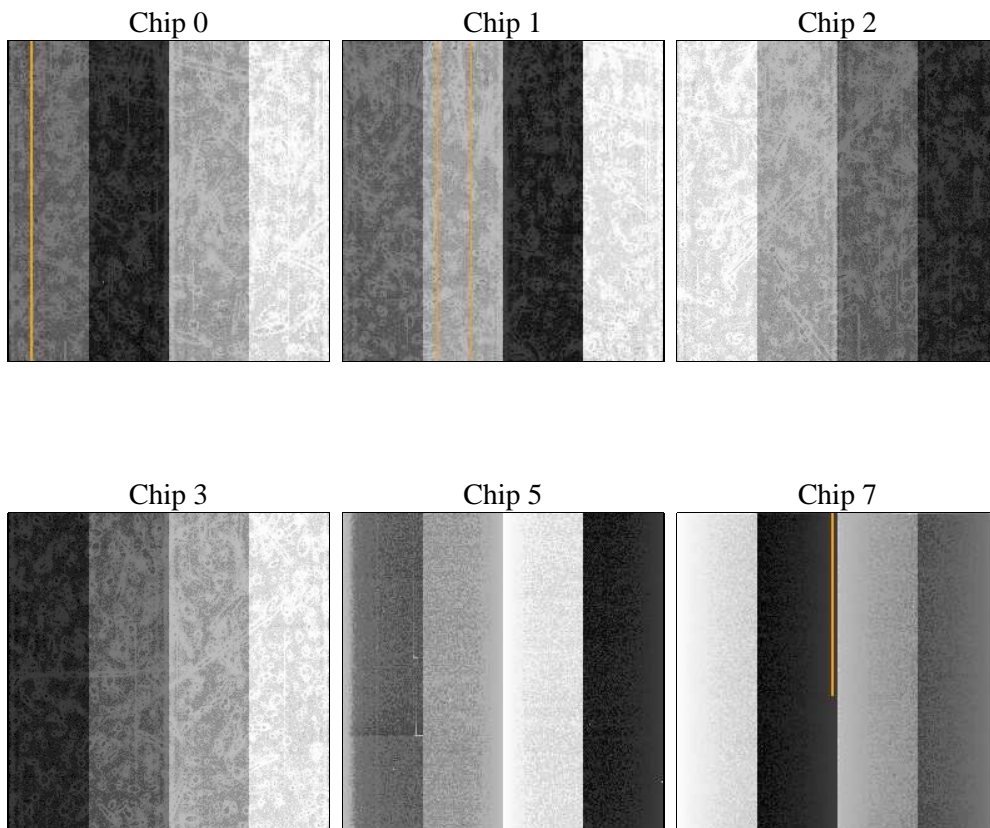
## 2 OBI

### 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	7001.5999739766	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime0	7001.5999739766	Sum of GTIs [s]
date	2012-12-25T04:12:01	Date and time of file creation	ontime1	7001.5999739766	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7001.5999739766	Sum of GTIs [s]
			ontime3	7001.5999739766	Sum of GTIs [s]
			ontime5	7001.5999739766	Sum of GTIs [s]
			ontime7	7001.5999739766	Sum of GTIs [s]
			l1events	798684	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	129308	144420	142074	143521	124642	114719	grade 0 events	15498	15265	16077	15893	7728	8143
rejected events	99254	114282	111737	113351	65861	61030		11%	10%	11%	11%	6%	7%
rejected %	76%	79%	78%	78%	52%	53%	grade 1 events	83	72	93	95	133	95
								0%	0%	0%	0%	0%	0%
							grade 2 events	5982	6241	5853	5775	21786	13329
								4%	4%	4%	4%	17%	11%
							grade 3 events	2110	1982	2079	2082	2152	4533
								1%	1%	1%	1%	1%	3%
							grade 4 events	2006	2008	2012	2202	2048	4534
								1%	1%	1%	1%	1%	3%
							grade 5 events	2619	2720	2483	2952	5836	6887
								2%	1%	1%	2%	4%	6%
							grade 6 events	4756	4931	4534	4508	25571	23619
								3%	3%	3%	3%	20%	20%
							grade 7 events	96254	111201	108943	110014	59388	53579
								74%	76%	76%	76%	47%	46%

## 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	124.9633282437648
[deg] Pointing Dec	0	8.661534029109248
[deg] Pointing Roll	0.0	60.51537266326585
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)	472705407.892146	472705407.892146
Observation start date	2012-12-24T03:03:28	2012-12-24T03:03:27
[s] Observation end time (MET)	472714263.101214	472714263.101214
Observation end date	2012-12-24T05:31:03	2012-12-24T05:31:03
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.12.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.0015999739766

### A.2 Comments