

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55339 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 12 2012

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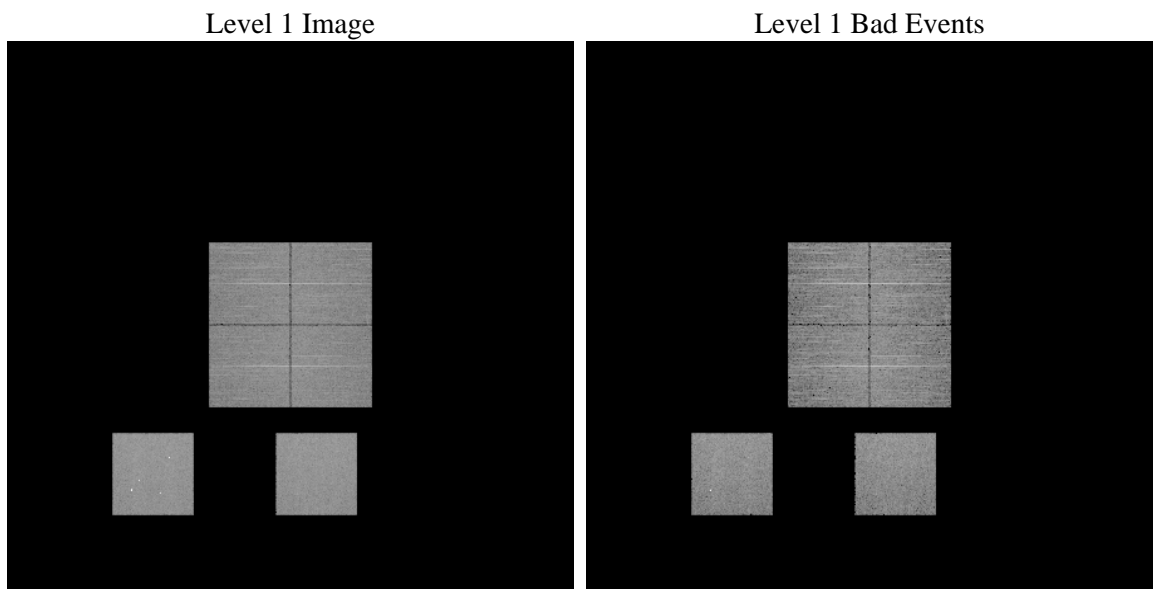
# 1 Front

seq_num	&#160	Sequence number
obs_id	55339	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	290.89578535919	Nominal RA [deg]
dec_nom	-33.70413327621	Nominal Dec [deg]
roll_nom	63.4425060491	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8099.1999698877	Sum of GTIs [s]
livetime	7996.6430231163	Livetime [s]
ontime0	8099.1999698877	Sum of GTIs [s]
ontime1	8099.1999698877	Sum of GTIs [s]
ontime2	8099.1999698877	Sum of GTIs [s]
ontime3	8099.1999698877	Sum of GTIs [s]
ontime5	8099.1999698877	Sum of GTIs [s]
ontime7	8099.1999698877	Sum of GTIs [s]
l2events	327427	Number of level 2 events

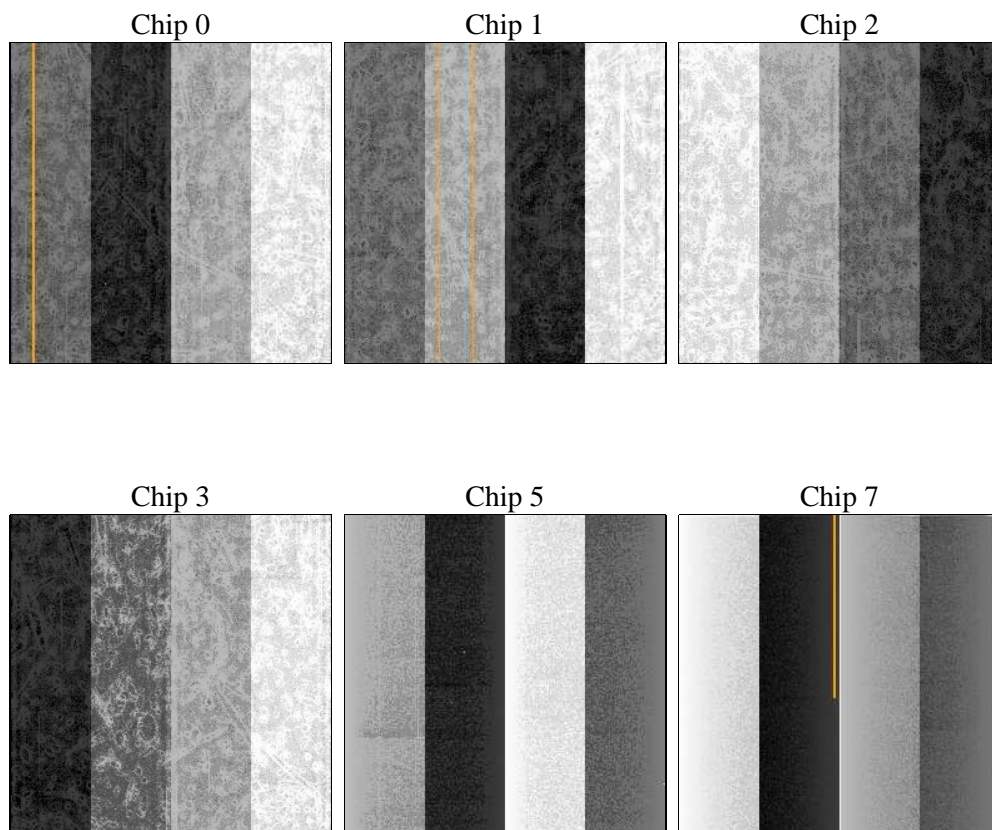
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	8099.1999698877	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime0	8099.1999698877	Sum of GTIs [s]
date	2012-02-12T15:09:09	Date and time of file creation	ontime1	8099.1999698877	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8099.1999698877	Sum of GTIs [s]
			ontime3	8099.1999698877	Sum of GTIs [s]
			ontime5	8099.1999698877	Sum of GTIs [s]
			ontime7	8099.1999698877	Sum of GTIs [s]
			l1events	673731	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	98876	99906	99914	101348	140640	133047	grade 0 events	25508	25330	26322	26733	11971	13377
rejected events	51437	51521	52142	53183	60660	57768		25%	25%	26%	26%	8%	10%
rejected %	52%	51%	52%	52%	43%	43%	grade 1 events	128	146	187	177	123	88
								0%	0%	0%	0%	0%	0%
							grade 2 events	8937	9673	8631	8742	29106	16602
								9%	9%	8%	8%	20%	12%
							grade 3 events	3299	3285	3515	3260	3406	7120
								3%	3%	3%	3%	2%	5%
							grade 4 events	3356	3317	3335	3388	3088	7027
								3%	3%	3%	3%	2%	5%
							grade 5 events	3251	3328	3089	3647	7768	8604
								3%	3%	3%	3%	5%	6%
							grade 6 events	7488	7876	7103	7155	34343	32938
								7%	7%	7%	7%	24%	24%
							grade 7 events	46909	46951	47732	48246	50835	47291
								47%	46%	47%	47%	36%	35%

## 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	290.895785359193
[deg] Pointing Dec	0	-33.7041332762098
[deg] Pointing Roll	0.0	63.44250604910043
[mm] SIM focus pos	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	424946048.573085	424946048.573085
Observation start date	2011-06-20T08:34:09	2011-06-20T08:34:08
[s] Observation end time (MET)	424955597.425982	424955597.425982
Observation end date	2011-06-20T11:13:17	2011-06-20T11:13:17
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)	2012.02.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0991999698877

### A.2 Comments