

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 54511 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jul 3 2012

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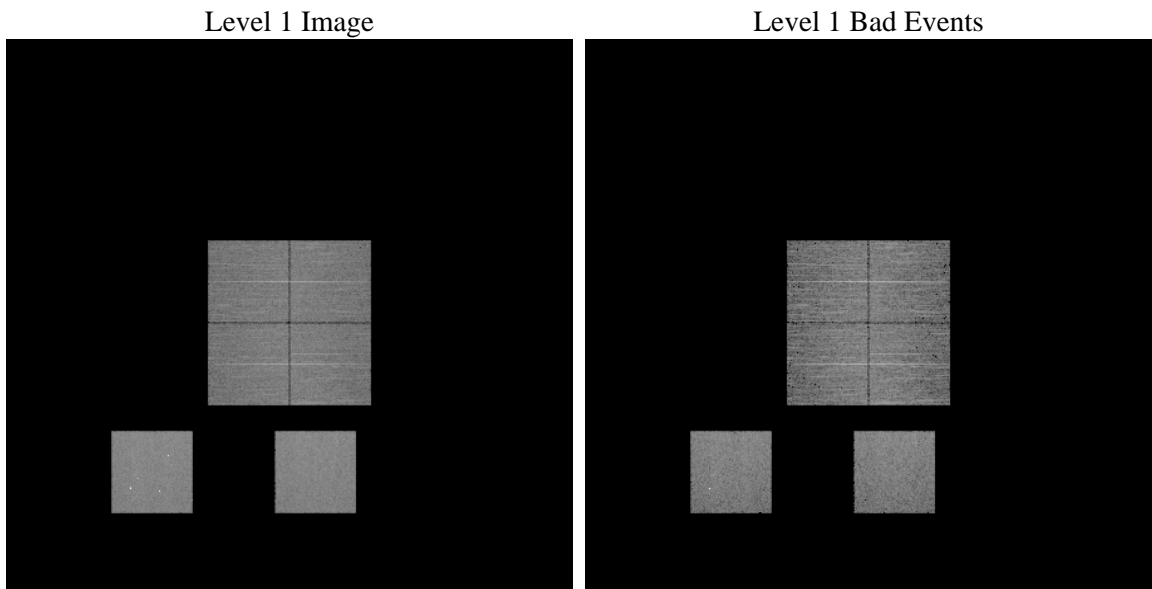
# 1 Front

seq_num	&#160	Sequence number
obs_id	54511	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	307.25852116913	Nominal RA [deg]
dec_nom	-11.121335131276	Nominal Dec [deg]
roll_nom	125.68729750566	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8236.7999693751	Sum of GTIs [s]
livetime	8132.5006485574	Livetime [s]
ontime0	8236.7999693751	Sum of GTIs [s]
ontime1	8236.7999693751	Sum of GTIs [s]
ontime2	8236.7999693751	Sum of GTIs [s]
ontime3	8236.7999693751	Sum of GTIs [s]
ontime5	8236.7999693751	Sum of GTIs [s]
ontime7	8236.7999693751	Sum of GTIs [s]
l2events	279196	Number of level 2 events

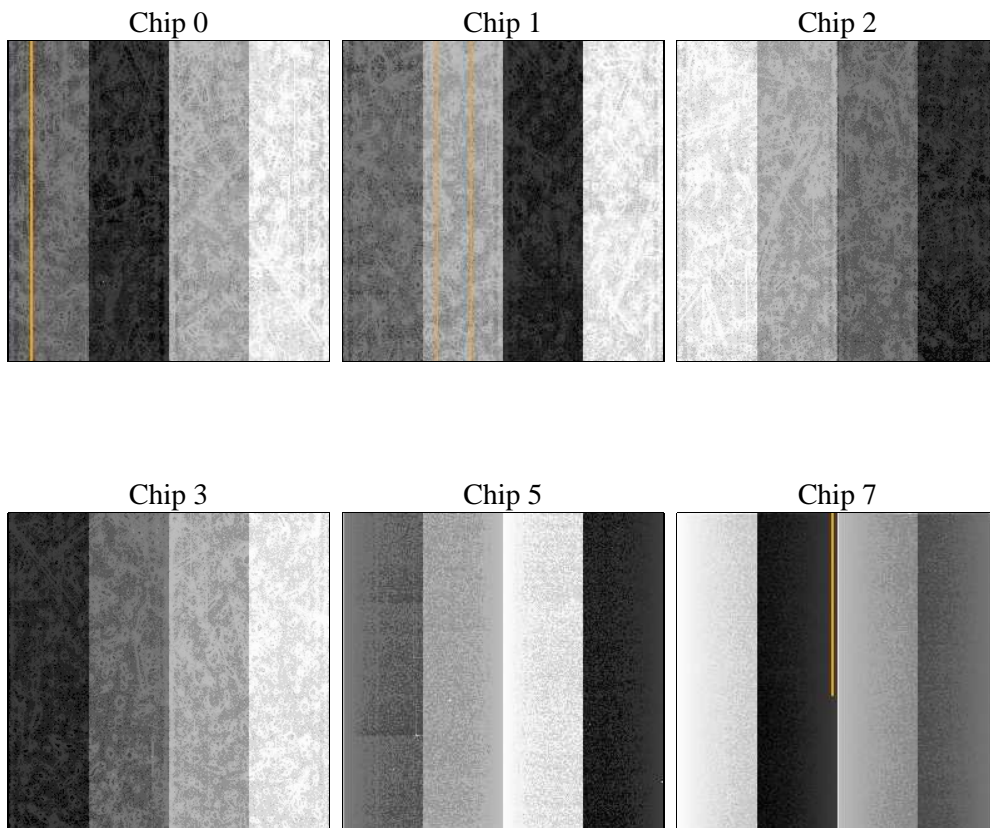
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	8236.7999693751	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime0	8236.7999693751	Sum of GTIs [s]
date	2012-07-03T08:08:09	Date and time of file creation	ontime1	8236.7999693751	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8236.7999693751	Sum of GTIs [s]
			ontime3	8236.7999693751	Sum of GTIs [s]
			ontime5	8236.7999693751	Sum of GTIs [s]
			ontime7	8236.7999693751	Sum of GTIs [s]
			l1events	605224	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	86278	87215	87744	91074	131005	121908	grade 0 events	20514	19823	20877	21068	10161	10956
rejected events	47423	47984	48848	51579	57716	55275		23%	22%	23%	23%	7%	8%
rejected %	54%	55%	55%	56%	44%	45%	grade 1 events	113	100	105	133	131	104
								0%	0%	0%	0%	0%	0%
							grade 2 events	7268	7945	6962	7153	26366	14336
								8%	9%	7%	7%	20%	11%
							grade 3 events	2653	2695	2717	2877	2801	6058
								3%	3%	3%	3%	2%	4%
							grade 4 events	2624	2642	2783	2786	2634	5894
								3%	3%	3%	3%	2%	4%
							grade 5 events	3148	3295	2990	3439	7803	8606
								3%	3%	3%	3%	5%	7%
							grade 6 events	6014	6374	5779	5847	31757	29820
								6%	7%	6%	6%	24%	24%
							grade 7 events	43944	44341	45531	47771	49352	46134
								50%	50%	51%	52%	37%	37%

## 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	307.2585211691276
[deg] Pointing Dec	0	-11.12133513127586
[deg] Pointing Roll	0.0	125.6872975056601
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)	457623479.183599	457623479.183599
Observation start date	2012-07-02T13:37:59	2012-07-02T13:37:59
[s] Observation end time (MET)	457632950.393515	457632950.393515
Observation end date	2012-07-02T16:15:50	2012-07-02T16:15:50
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)	2012.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2367999693751

### A.2 Comments