

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56558 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 18 2012

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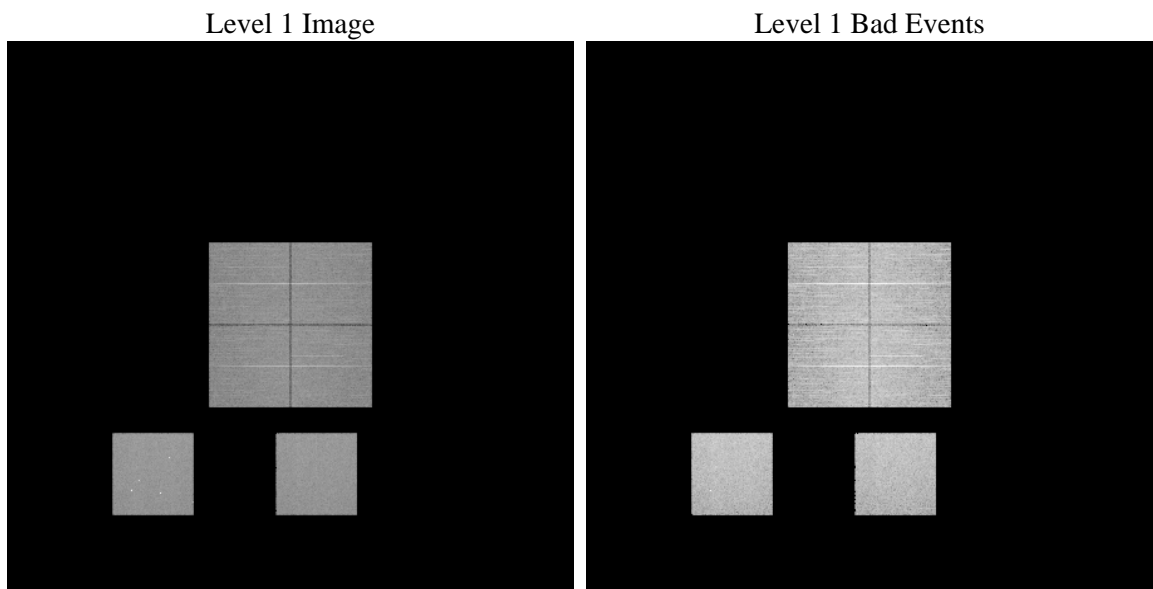
# 1 Front

seq_num	&#160	Sequence number
obs_id	56558	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	325.52308358626	Nominal RA [deg]
dec_nom	-9.822884058606	Nominal Dec [deg]
roll_nom	292.65054518975	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8271.999969244	Sum of GTIs [s]
livetime	8167.254924833	Livetime [s]
ontime0	8271.999969244	Sum of GTIs [s]
ontime1	8271.999969244	Sum of GTIs [s]
ontime2	8271.999969244	Sum of GTIs [s]
ontime3	8271.999969244	Sum of GTIs [s]
ontime5	8271.999969244	Sum of GTIs [s]
ontime7	8271.999969244	Sum of GTIs [s]
l2events	471232	Number of level 2 events

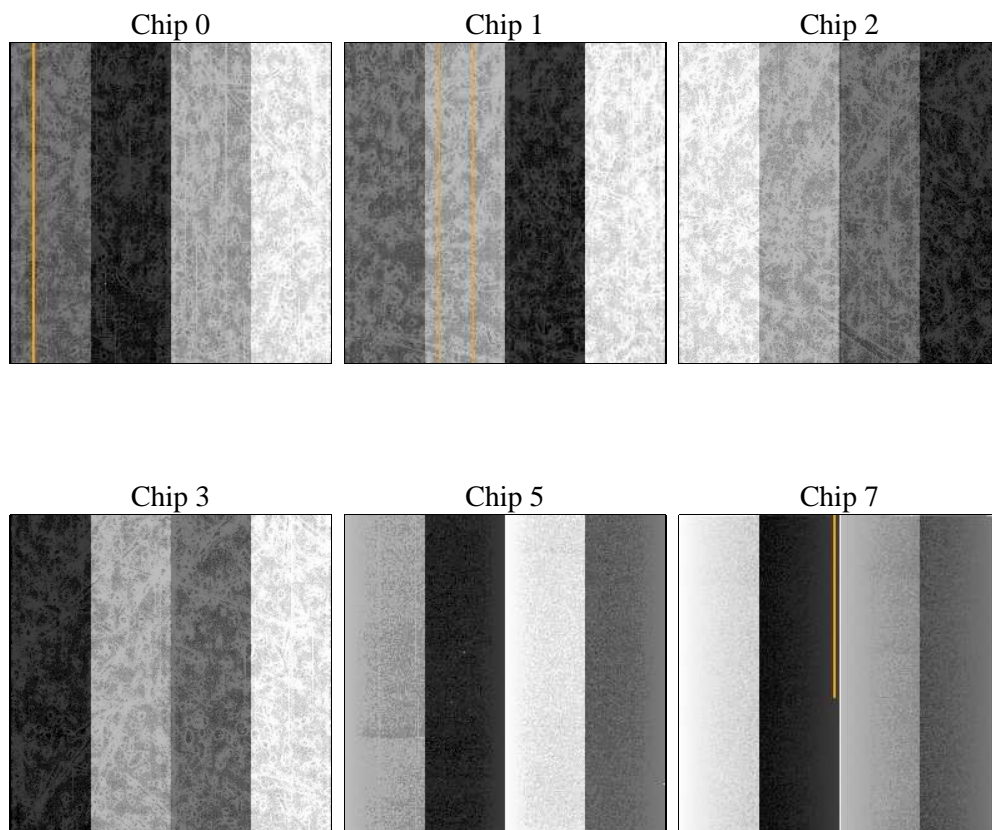
## 2 OBI

### 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	8271.999969244	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	8271.999969244	Sum of GTIs [s]
date	2012-06-18T21:43:27	Date and time of file creation	ontime1	8271.999969244	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8271.999969244	Sum of GTIs [s]
			ontime3	8271.999969244	Sum of GTIs [s]
			ontime5	8271.999969244	Sum of GTIs [s]
			ontime7	8271.999969244	Sum of GTIs [s]
			l1events	941830	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	142762	142529	141749	145934	188128	180728	grade 0 events	36719	36082	37492	37434	16891	19205
rejected events	73884	72870	72642	76502	74876	72594		25%	25%	26%	25%	8%	10%
rejected %	51%	51%	51%	52%	39%	40%	grade 1 events	299	218	312	336	268	178
								0%	0%	0%	0%	0%	0%
							grade 2 events	12604	13174	12207	11998	40500	23321
								8%	9%	8%	8%	21%	12%
							grade 3 events	4583	4685	4724	4944	4936	9962
								3%	3%	3%	3%	2%	5%
							grade 4 events	4667	4626	4649	4829	4785	9874
								3%	3%	3%	3%	2%	5%
							grade 5 events	4282	4380	3931	4519	9909	11663
								2%	3%	2%	3%	5%	6%
							grade 6 events	10346	11092	10035	10258	46140	45821
								7%	7%	7%	7%	24%	25%
							grade 7 events	69262	68272	68399	71616	64699	60704
								48%	47%	48%	49%	34%	33%

## 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	325.5230835862592	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-9.822884058605961	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	292.6505451897548	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	378373071.983117	378373070.95811			
Observation start date	2009-12-28T07:37:52	2009-12-28T07:37:50			
[s] Observation end time (MET)	378385002.98372	378385001.95872			
Observation end date	2009-12-28T10:56:43	2009-12-28T10:56:41			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.271999969244

### A.2 Comments