

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56642 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 17 2012

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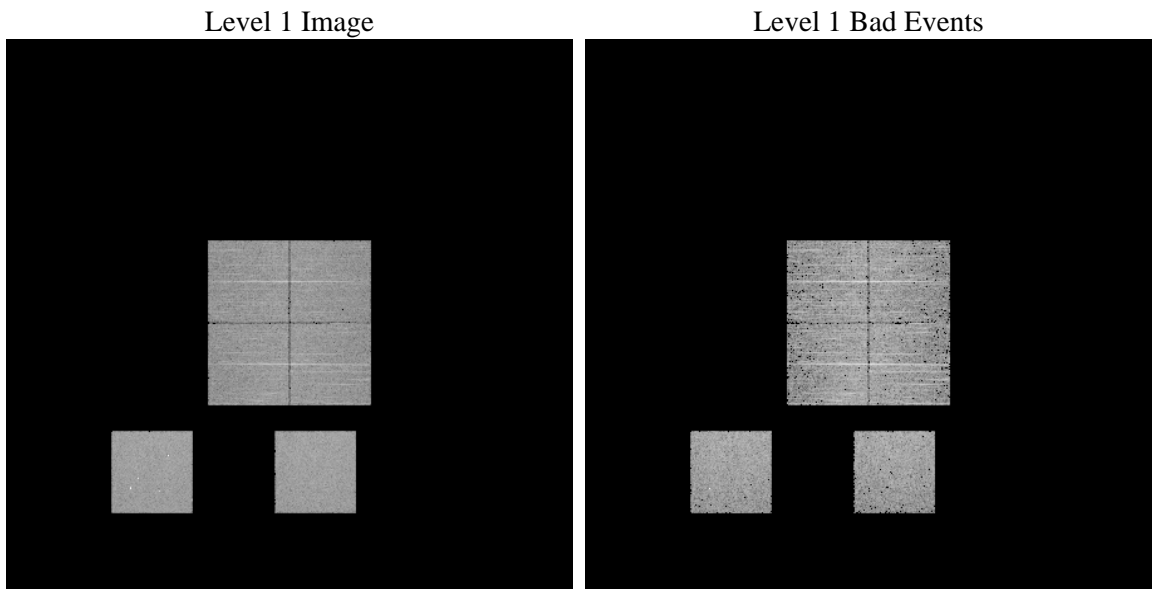
# 1 Front

seq_num	&#160	Sequence number
obs_id	56642	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycle	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	72.965604538321	Nominal RA [deg]
dec_nom	33.499952847231	Nominal Dec [deg]
roll_nom	146.83632519168	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3270.3999878764	Sum of GTIs [s]
livetime	3228.9882140315	Livetime [s]
ontime0	3270.3999878764	Sum of GTIs [s]
ontime1	3270.3999878764	Sum of GTIs [s]
ontime2	3270.3999878764	Sum of GTIs [s]
ontime3	3270.3999878764	Sum of GTIs [s]
ontime5	3270.3999878764	Sum of GTIs [s]
ontime7	3270.3999878764	Sum of GTIs [s]
l2events	193806	Number of level 2 events

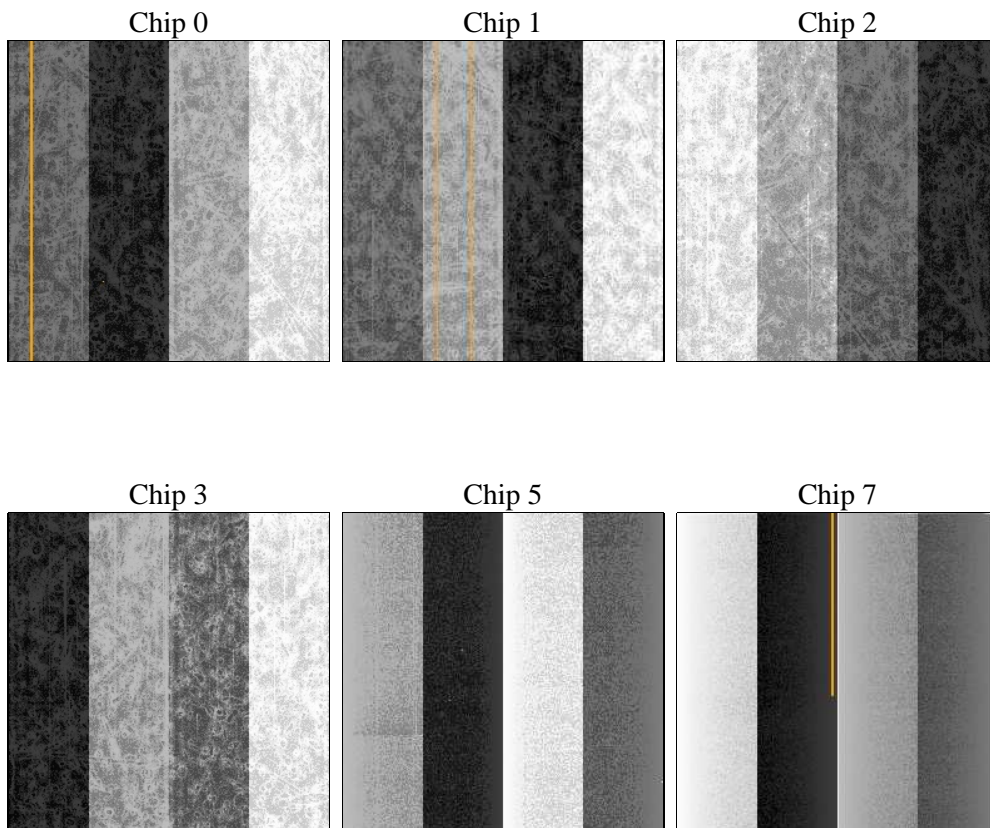
## 2 OBI

### 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	3270.3999878764	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	3270.3999878764	Sum of GTIs [s]
date	2012-06-17T08:23:01	Date and time of file creation	ontime1	3270.3999878764	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3270.3999878764	Sum of GTIs [s]
			ontime3	3270.3999878764	Sum of GTIs [s]
			ontime5	3270.3999878764	Sum of GTIs [s]
			ontime7	3270.3999878764	Sum of GTIs [s]
			l1events	381834	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	58172	55925	59136	60114	75118	73369	grade 0 events	15217	14850	15423	15572	6855	7892
rejected events	29636	26995	30667	31159	29792	28909		26%	26%	26%	25%	9%	10%
rejected %	50%	48%	51%	51%	39%	39%	grade 1 events	130	112	125	119	86	63
								0%	0%	0%	0%	0%	0%
							grade 2 events	5231	5525	5041	5082	16135	9542
								8%	9%	8%	8%	21%	13%
							grade 3 events	1904	1933	1996	2035	2007	4108
								3%	3%	3%	3%	2%	5%
							grade 4 events	1859	2016	1873	1998	1922	3958
								3%	3%	3%	3%	2%	5%
							grade 5 events	1690	1676	1563	1880	3963	4597
								2%	2%	2%	3%	5%	6%
							grade 6 events	4348	4623	4159	4268	18453	18960
								7%	8%	7%	7%	24%	25%
							grade 7 events	27793	25190	28956	29160	25697	24249
								47%	45%	48%	48%	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	72.96560453832078	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	33.49995284723069	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	146.8363251916782	[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)	375825803.354501	375825802.3295			
Observation start date	2009-11-28T20:03:23	2009-11-28T20:03:22			
[s] Observation end time (MET)	375830647.504746	375830646.47975			
Observation end date	2009-11-28T21:24:08	2009-11-28T21:24:06			
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)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2703999878764

### A.2 Comments