

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56556 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 18 2012

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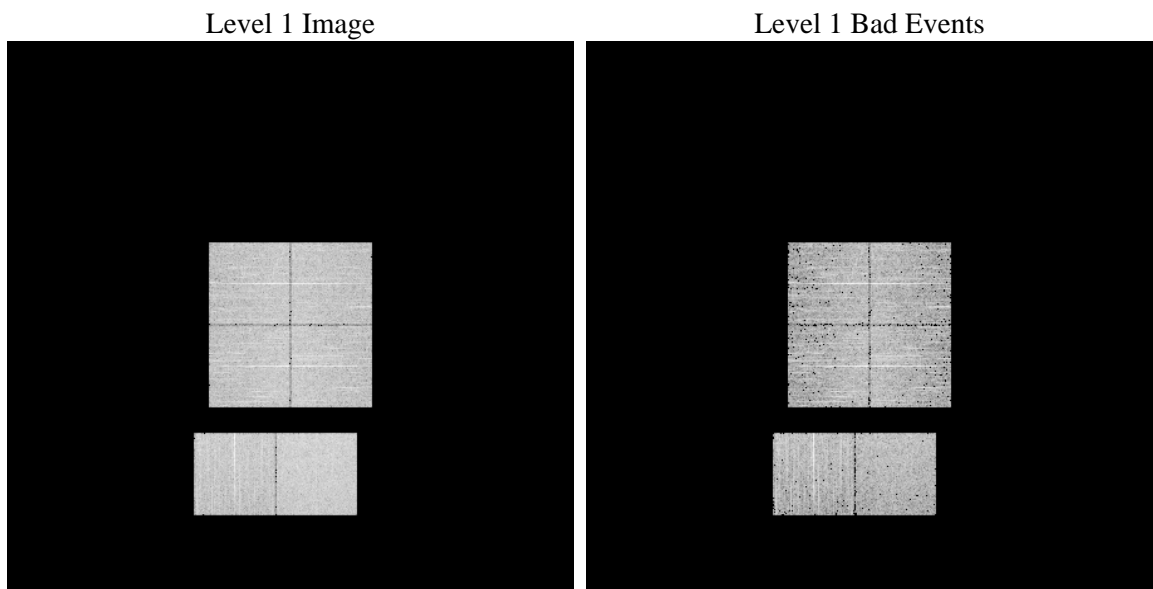
# 1 Front

seq_num	&#160	Sequence number
obs_id	56556	Observation id
title	ACIS-012367 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	318.50823523544	Nominal RA [deg]
dec_nom	-64.530472710202	Nominal Dec [deg]
roll_nom	230.48148615452	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3148.6898931265	Sum of GTIs [s]
livetime	3108.8192857863	Livetime [s]
ontime0	3148.6488531232	Sum of GTIs [s]
ontime1	3148.6078131199	Sum of GTIs [s]
ontime2	3148.5667731166	Sum of GTIs [s]
ontime3	3148.7309331298	Sum of GTIs [s]
ontime6	3148.5257331133	Sum of GTIs [s]
ontime7	3148.6898931265	Sum of GTIs [s]
l2events	165633	Number of level 2 events

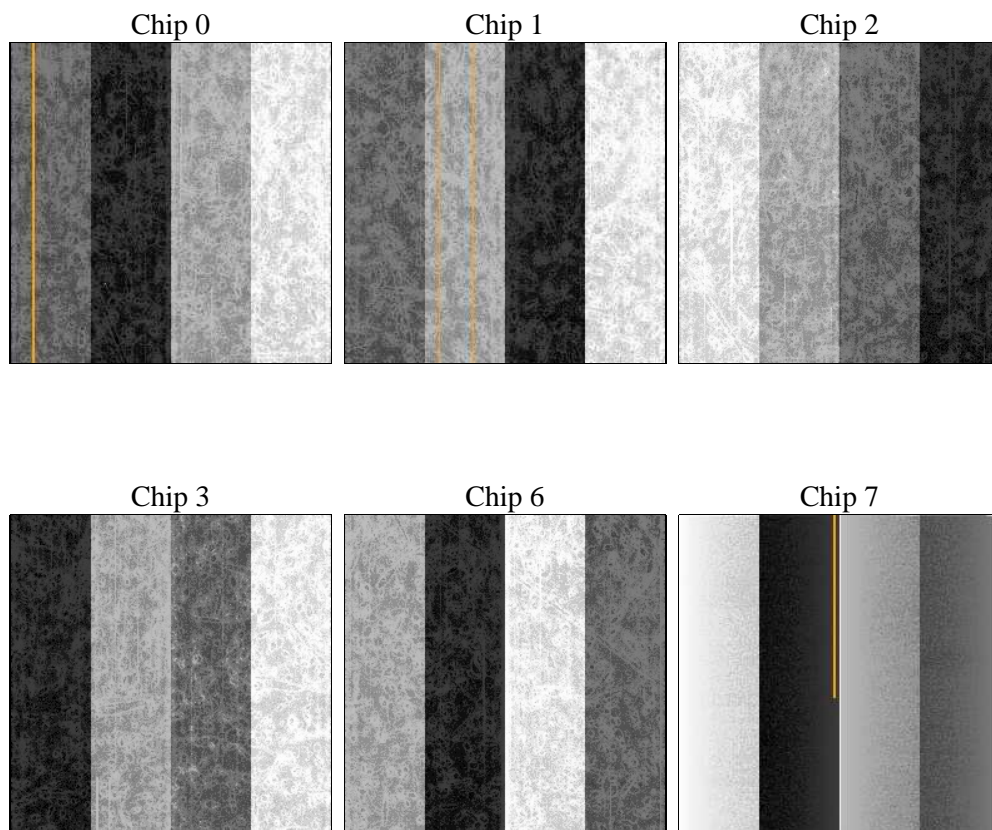
## 2 OBI

### 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	3148.6898931265	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	3148.6488531232	Sum of GTIs [s]
date	2012-06-18T23:03:32	Date and time of file creation	ontime1	3148.6078131199	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3148.5667731166	Sum of GTIs [s]
			ontime3	3148.7309331298	Sum of GTIs [s]
			ontime6	3148.5257331133	Sum of GTIs [s]
			ontime7	3148.6898931265	Sum of GTIs [s]
			l1events	357412	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	55349	54857	57390	58000	60412	71404	grade 0 events	14212	14146	14807	14399	14662	7578
rejected events	29008	28304	30801	31641	32956	29325		25%	25%	25%	24%	24%	10%
rejected %	52%	51%	53%	54%	54%	41%	grade 1 events	110	81	121	144	93	61
								0%	0%	0%	0%	0%	0%
							grade 2 events	4992	5141	4762	4832	5048	9293
								9%	9%	8%	8%	8%	13%
							grade 3 events	1886	1848	1829	1848	1844	3946
								3%	3%	3%	3%	3%	5%
							grade 4 events	1718	1903	1845	1851	1845	3930
								3%	3%	3%	3%	3%	5%
							grade 5 events	1632	1728	1565	1882	1835	4747
								2%	3%	2%	3%	3%	6%
							grade 6 events	4111	4229	3999	4016	4730	18301
								7%	7%	6%	6%	7%	25%
							grade 7 events	26688	25781	28462	29028	30355	23548
								48%	46%	49%	50%	50%	32%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	318.5082352354409
[deg] Pointing Dec	0	-64.53047271020159
[deg] Pointing Roll	0.0	230.4814861545158
[mm] SIM focus pos	-1.429586	-0.6828225247311905
[mm] SIM defocus	0.1037507710433287	0.8505141146731063
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	378567379.19293	378567378.16794
Observation start date	2009-12-30T13:36:19	2009-12-30T13:36:18
[s] Observation end time (MET)	378572059.343166	378572058.31817
Observation end date	2009-12-30T14:54:19	2009-12-30T14:54:18
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1486898931265

### A.2 Comments