

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56258 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 25 2012

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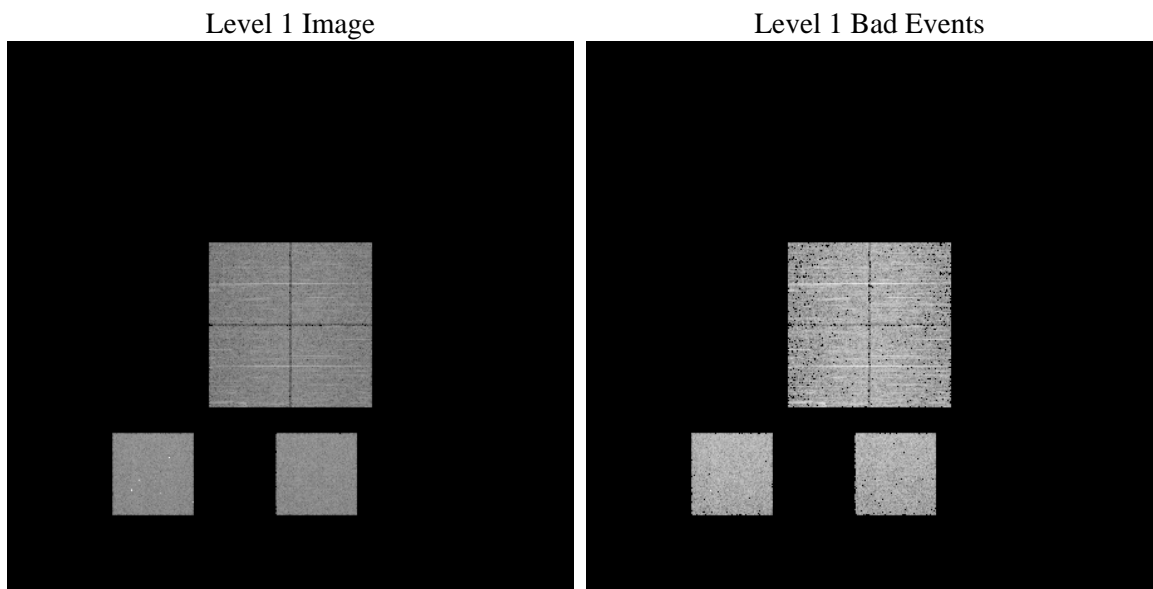
# 1 Front

seq_num	&#160	Sequence number
obs_id	56258	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	214.04179112534	Nominal RA [deg]
dec_nom	-39.023466226487	Nominal Dec [deg]
roll_nom	313.84902513443	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3282.3411936164	Sum of GTIs [s]
livetime	3240.7782130342	Livetime [s]
ontime0	3282.3001536131	Sum of GTIs [s]
ontime1	3282.2591136098	Sum of GTIs [s]
ontime2	3282.2180736065	Sum of GTIs [s]
ontime3	3282.3822336197	Sum of GTIs [s]
ontime5	3282.1770336032	Sum of GTIs [s]
ontime7	3282.3411936164	Sum of GTIs [s]
l2events	170720	Number of level 2 events

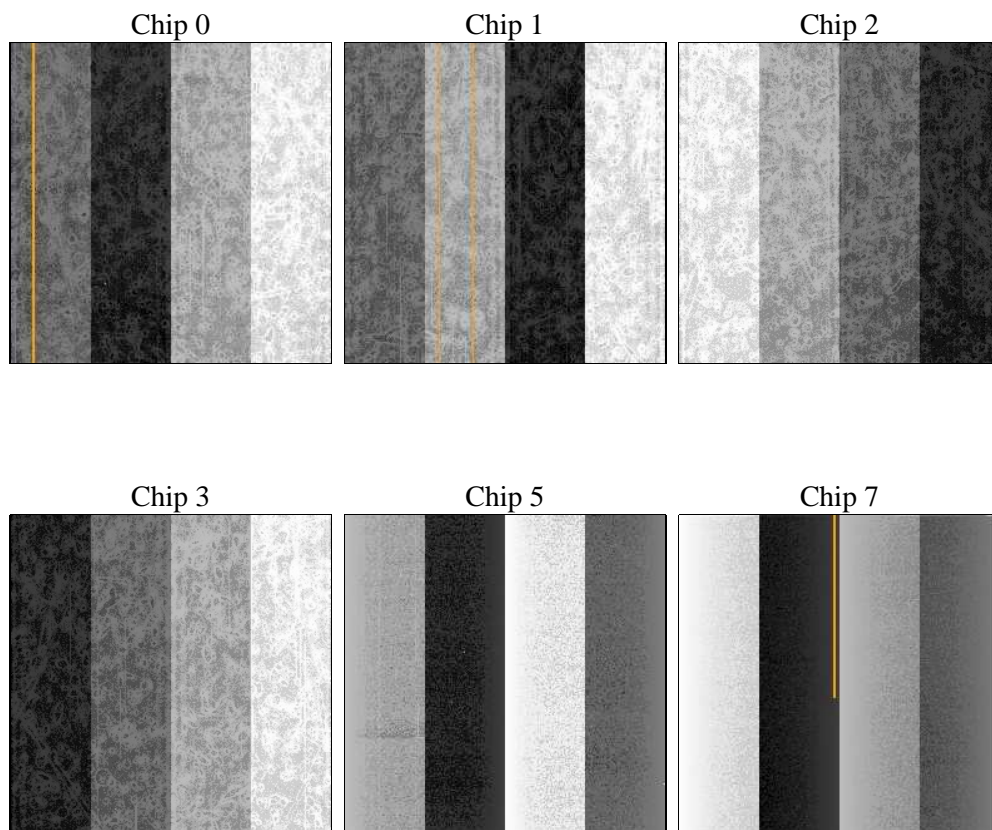
## 2 OBI

### 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	3282.3411936164	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	3282.3001536131	Sum of GTIs [s]
date	2012-06-26T02:28:44	Date and time of file creation	ontime1	3282.2591136098	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3282.2180736065	Sum of GTIs [s]
			ontime3	3282.3822336197	Sum of GTIs [s]
			ontime5	3282.1770336032	Sum of GTIs [s]
			ontime7	3282.3411936164	Sum of GTIs [s]
			l1events	340585	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	49776	51626	51834	51997	69307	66045	grade 0 events	13086	13144	13604	13542	6569	7150
rejected events	25057	26305	26793	26936	27593	26714		26%	25%	26%	26%	9%	10%
rejected %	50%	50%	51%	51%	39%	40%	grade 1 events	107	71	116	83	191	60
								0%	0%	0%	0%	0%	0%
							grade 2 events	4465	4807	4346	4351	14757	8515
								8%	9%	8%	8%	21%	12%
							grade 3 events	1750	1682	1728	1751	1790	3645
								3%	3%	3%	3%	2%	5%
							grade 4 events	1658	1606	1689	1706	1880	3548
								3%	3%	3%	3%	2%	5%
							grade 5 events	1580	1565	1426	1775	3635	4341
								3%	3%	2%	3%	5%	6%
							grade 6 events	3760	4082	3674	3711	16718	16473
								7%	7%	7%	7%	24%	24%
							grade 7 events	23370	24669	25251	25078	23767	22313
								46%	47%	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	214.0417911253433	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-39.0234662264866	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	313.8490251344338	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	390451475.795873	390451474.77087			
Observation start date	2010-05-17T02:44:36	2010-05-17T02:44:34			
[s] Observation end time (MET)	390456367.096121	390456366.07111			
Observation end date	2010-05-17T04:06:07	2010-05-17T04:06:06			
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)	2012.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2823411936164

### A.2 Comments