

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56674 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 18 2012

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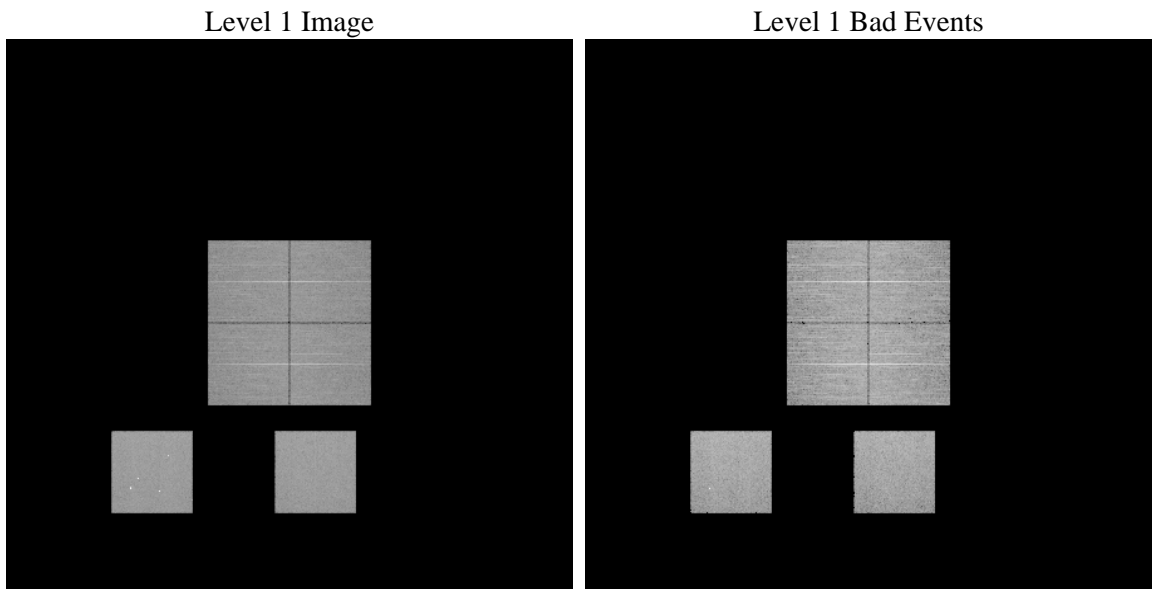
# 1 Front

seq_num	&#160	Sequence number
obs_id	56674	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	70.321318660477	Nominal RA [deg]
dec_nom	16.358464065575	Nominal Dec [deg]
roll_nom	83.695911843016	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8108.799969852	Sum of GTIs [s]
livetime	8006.1214621005	Livetime [s]
ontime0	7998.6058070064	Sum of GTIs [s]
ontime1	8005.0878969431	Sum of GTIs [s]
ontime2	7979.1598045826	Sum of GTIs [s]
ontime3	8001.845798254	Sum of GTIs [s]
ontime5	8108.799969852	Sum of GTIs [s]
ontime7	8108.799969852	Sum of GTIs [s]
l2events	466236	Number of level 2 events

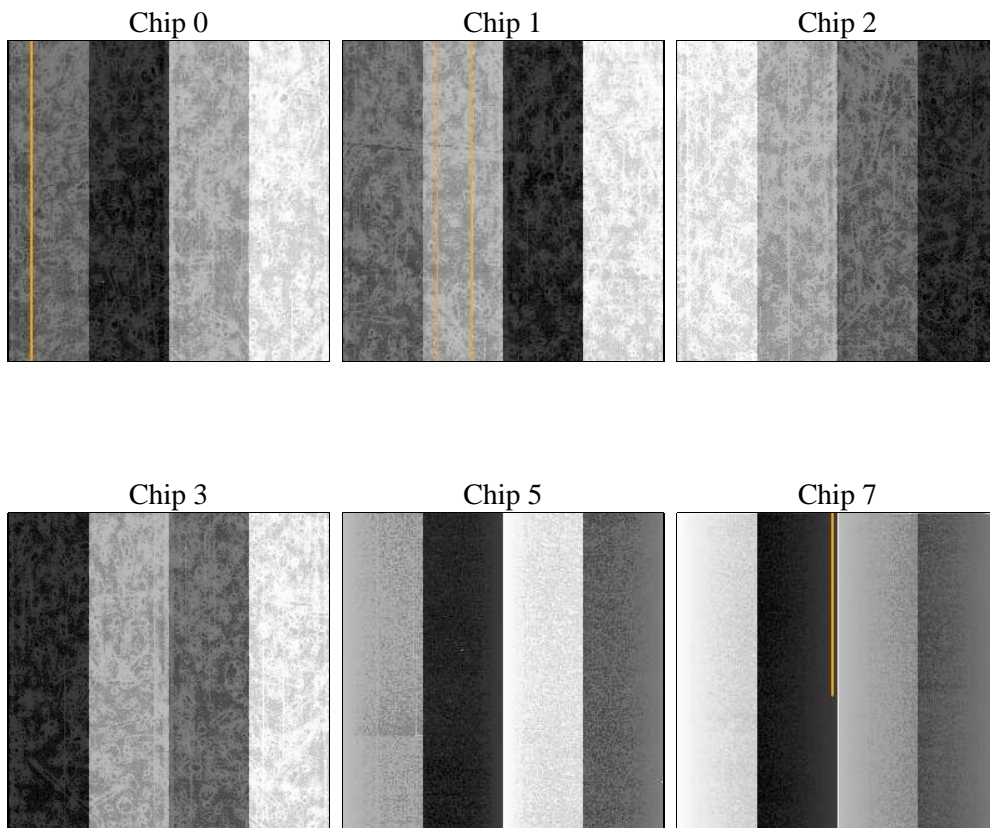
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8108.799969852	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	7998.6058070064	Sum of GTIs [s]
date	2012-06-16T19:19:04	Date and time of file creation	ontime1	8005.0878969431	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7979.1598045826	Sum of GTIs [s]
			ontime3	8001.845798254	Sum of GTIs [s]
			ontime5	8108.799969852	Sum of GTIs [s]
			ontime7	8108.799969852	Sum of GTIs [s]
			l1events	948010	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	143570	141371	145456	145977	189497	182139	grade 0 events	37178	36488	37810	38118	18544	20012
rejected events	74872	72833	77119	77379	76909	74116		25%	25%	25%	26%	9%	10%
rejected %	52%	51%	53%	53%	40%	40%	grade 1 events	289	232	299	320	198	169
								0%	0%	0%	0%	0%	0%
							grade 2 events	12826	13085	12004	12164	39723	23464
								8%	9%	8%	8%	20%	12%
							grade 3 events	4779	4759	4821	4794	5125	10313
								3%	3%	3%	3%	2%	5%
							grade 4 events	4630	4707	4771	4716	4864	10002
								3%	3%	3%	3%	2%	5%
							grade 5 events	4047	4248	4039	4659	9933	11726
								2%	3%	2%	3%	5%	6%
							grade 6 events	10695	10891	10381	10213	46707	46448
								7%	7%	7%	6%	24%	25%
							grade 7 events	69126	66961	71331	70993	64403	60005
								48%	47%	49%	48%	33%	32%

## 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	70.32131866047709
[deg] Pointing Dec	0	16.35846406557517
[deg] Pointing Roll	0.0	83.69591184301581
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	374720650.348757	374720650.348757
Observation start date	2009-11-16T01:04:10	2009-11-16T01:04:10
[s] Observation end time (MET)	374730468.107312	374730468.107312
Observation end date	2009-11-16T03:47:48	2009-11-16T03:47:48
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	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	8.108799969852

### A.2 Comments