

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62056 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Aug 27 2012

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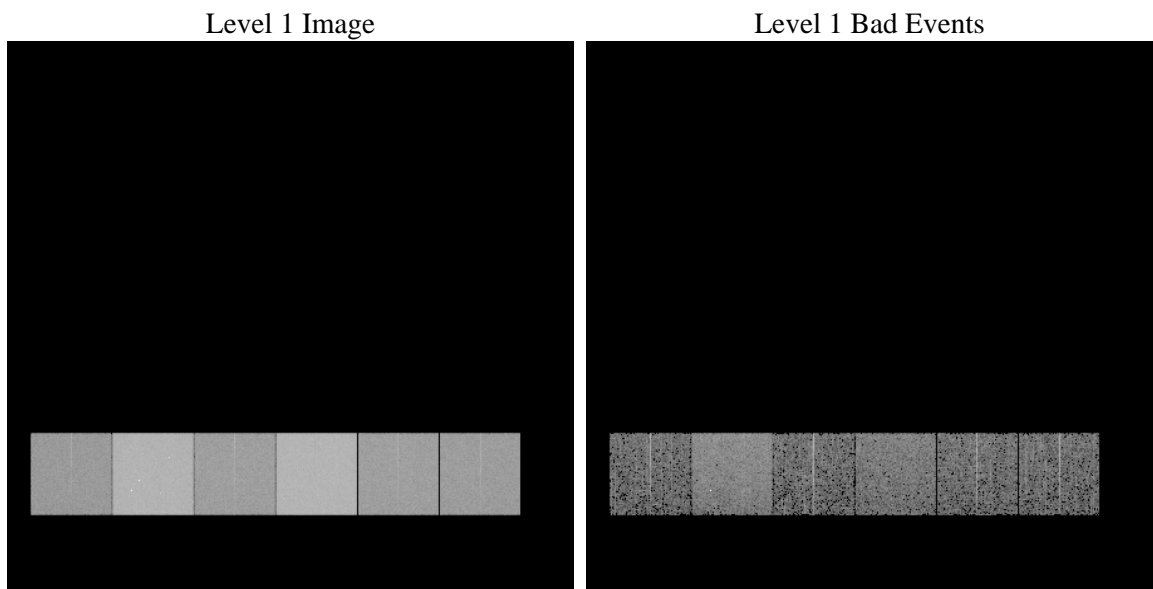
# 1 Front

seq_num	&#160	Sequence number
obs_id	62056	Observation id
title	ACIS-456789 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	12.382093479281	Nominal RA [deg]
dec_nom	-60.317683142567	Nominal Dec [deg]
roll_nom	143.07723408908	Nominal Roll [deg]
revision	5	Processing version of data
ontime	4128.7217407823	Sum of GTIs [s]
livetime	4076.4413800827	Livetime [s]
ontime4	1631.6617324352	Sum of GTIs [s]
ontime5	4417.2092686594	Sum of GTIs [s]
ontime6	1808.2331061512	Sum of GTIs [s]
ontime7	4128.7217407823	Sum of GTIs [s]
ontime8	1860.1717462689	Sum of GTIs [s]
ontime9	1756.2534061372	Sum of GTIs [s]
l2events	1236504	Number of level 2 events

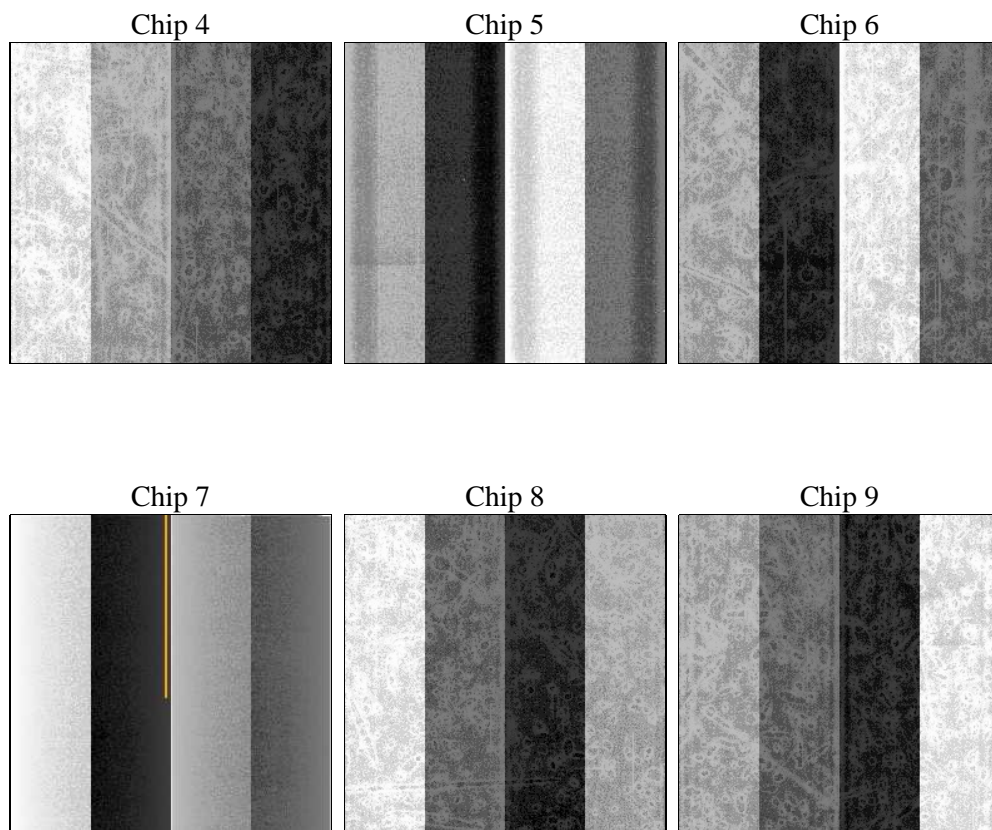
## 2 OBI

### 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	4128.7217407823	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime4	1631.6617324352	Sum of GTIs [s]
date	2012-08-27T20:30:08	Date and time of file creation	ontime5	4417.2092686594	Sum of GTIs [s]
revision	5	Processing version of data	ontime6	1808.2331061512	Sum of GTIs [s]
			ontime7	4128.7217407823	Sum of GTIs [s]
			ontime8	1860.1717462689	Sum of GTIs [s]
			ontime9	1756.2534061372	Sum of GTIs [s]
			l1events	1412999	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	148762	365973	176145	378195	179780	164144	grade 0 events	74849	87253	87236	92146	89992	81111
rejected events	16573	34421	17046	21781	17328	16651		50%	23%	49%	24%	50%	49%
rejected %	11%	9%	9%	5%	9%	10%	grade 1 events	503	777	473	270	489	468
								0%	0%	0%	0%	0%	0%
							grade 2 events	22978	113491	27519	79271	28492	26015
								15%	31%	15%	20%	15%	15%
							grade 3 events	8264	22647	9847	36661	10235	9227
								5%	6%	5%	9%	5%	5%
							grade 4 events	8247	22447	9659	36417	10327	9008
								5%	6%	5%	9%	5%	5%
							grade 5 events	1157	7071	1306	5036	1356	1339
								0%	1%	0%	1%	0%	0%
							grade 6 events	17851	85714	24838	111919	23406	22132
								11%	23%	14%	29%	13%	13%
							grade 7 events	14913	26573	15267	16475	15483	14844
								10%	7%	8%	4%	8%	9%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	12.3820934792812	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-60.31768314256728	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	143.0772340890761			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	74695298.257	74695297.488773			
Observation start date	2000-05-14T12:41:38	2000-05-14T12:41:37			
[s] Observation end time (MET)	74724820.308	74724819.539857			
Observation end date	2000-05-14T20:53:40	2000-05-14T20:53:39			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1287217407823

### A.2 Comments