

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56158 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 29 2012

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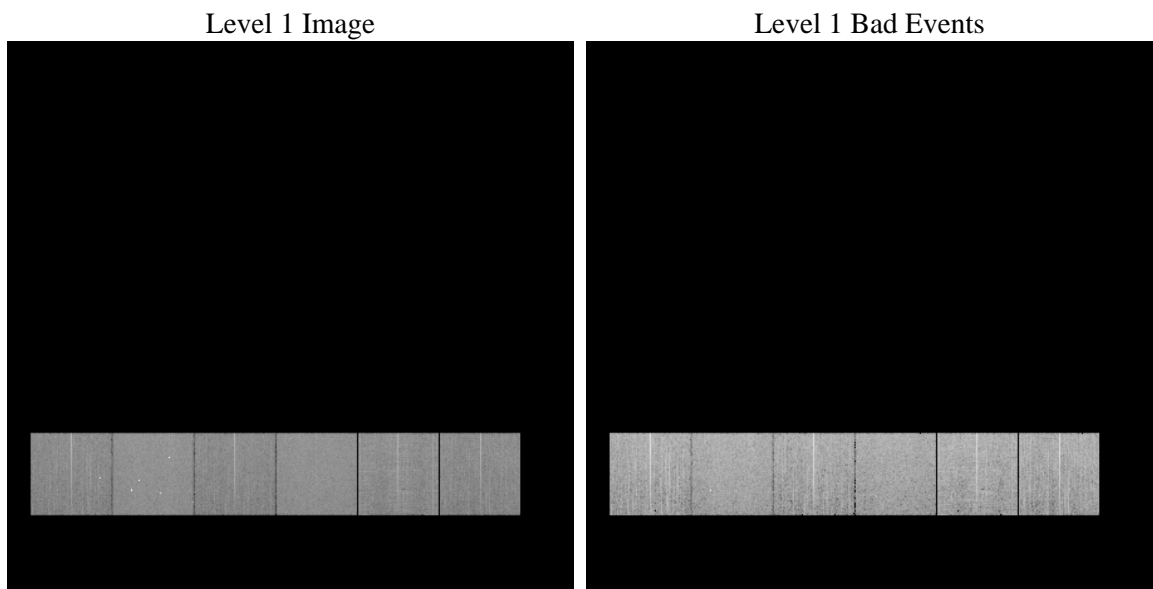
# 1 Front

seq_num	&#160	Sequence number
obs_id	56158	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	268.98052981454	Nominal RA [deg]
dec_nom	-1.2189479421148	Nominal Dec [deg]
roll_nom	204.66025525905	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8278.3999692202	Sum of GTIs [s]
livetime	8173.5738841559	Livetime [s]
ontime4	8278.3999692202	Sum of GTIs [s]
ontime5	8278.3999692202	Sum of GTIs [s]
ontime6	8278.3999692202	Sum of GTIs [s]
ontime7	8278.3999692202	Sum of GTIs [s]
ontime8	8278.3999692202	Sum of GTIs [s]
ontime9	8278.3999692202	Sum of GTIs [s]
l2events	419809	Number of level 2 events

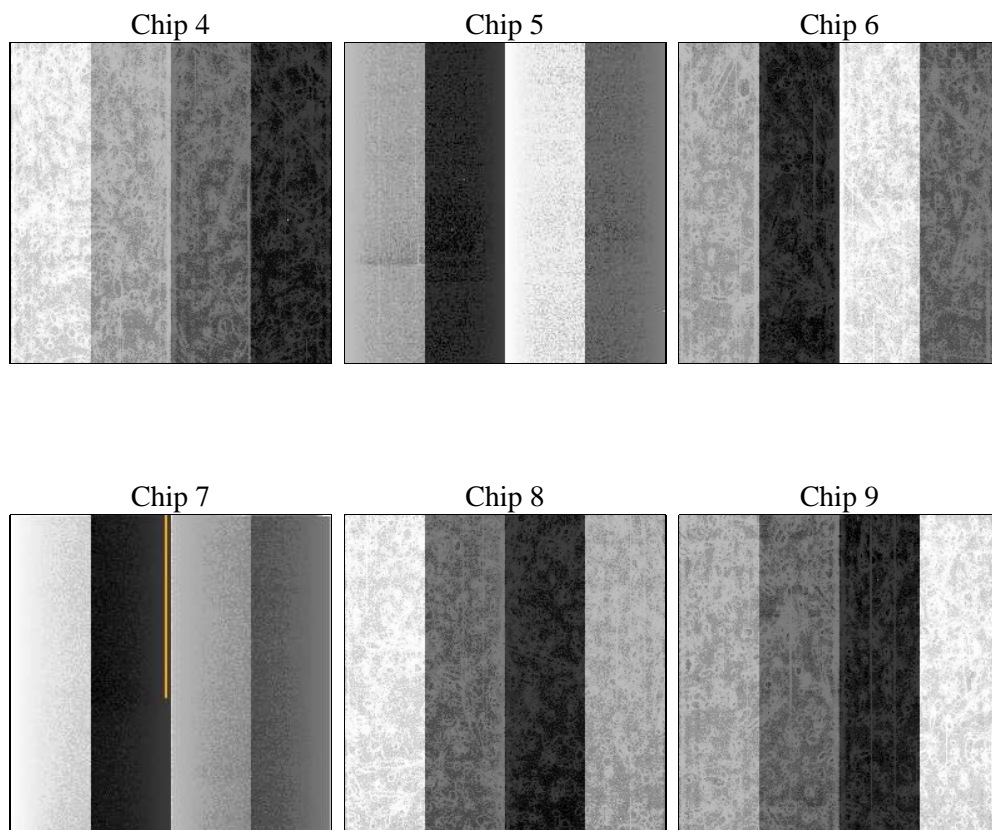
## 2 OBI

### 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	8278.3999692202	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime4	8278.3999692202	Sum of GTIs [s]
date	2012-06-29T12:08:13	Date and time of file creation	ontime5	8278.3999692202	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8278.3999692202	Sum of GTIs [s]
			ontime7	8278.3999692202	Sum of GTIs [s]
			ontime8	8278.3999692202	Sum of GTIs [s]
			ontime9	8278.3999692202	Sum of GTIs [s]
			l1events	884730	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	135609	171582	130764	161580	152052	133143	grade 0 events	35482	18323	33474	16972	37237	32626
rejected events	73735	68413	66660	64879	75636	71452		26%	10%	25%	10%	24%	24%
rejected %	54%	39%	50%	40%	49%	53%	grade 1 events	321	249	196	140	260	216
								0%	0%	0%	0%	0%	0%
							grade 2 events	9953	34959	11616	21092	14778	10877
								7%	20%	8%	13%	9%	8%
							grade 3 events	4304	4615	4256	8911	5594	4251
								3%	2%	3%	5%	3%	3%
							grade 4 events	4193	4672	4152	8845	5402	4193
								3%	2%	3%	5%	3%	3%
							grade 5 events	3977	9395	4170	10513	5447	4673
								2%	5%	3%	6%	3%	3%
							grade 6 events	7942	40600	10606	40881	13405	9744
								5%	23%	8%	25%	8%	7%
							grade 7 events	69437	58769	62294	54226	69929	66563
								51%	34%	47%	33%	45%	49%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	268.9805298145379	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-1.218947942114843	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	204.6602552590499	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	394330690.993646	394330689.96864			
Observation start date	2010-07-01T00:18:11	2010-07-01T00:18:09			
[s] Observation end time (MET)	394353679.694819	394353678.66982			
Observation end date	2010-07-01T06:41:20	2010-07-01T06:41:18			
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)	2012.07.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2783999692202

### A.2 Comments