

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57820 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 14 2012

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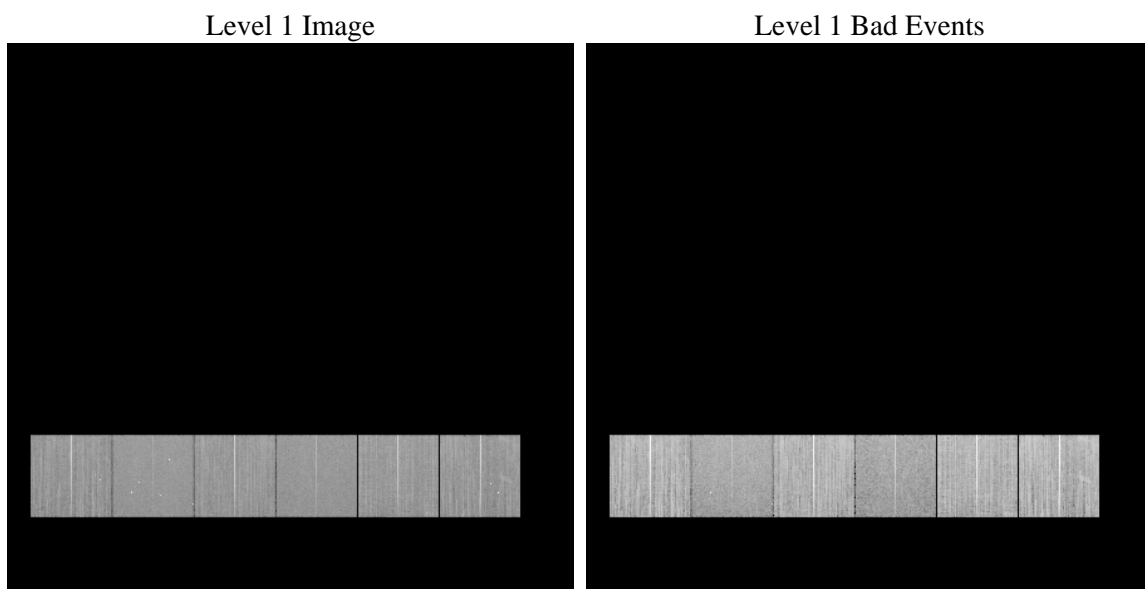
# 1 Front

seq_num	&#160	Sequence number
obs_id	57820	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	225.97566166749	Nominal RA [deg]
dec_nom	7.984404957533	Nominal Dec [deg]
roll_nom	180.07071622319	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8041.5999701023	Sum of GTIs [s]
livetime	7939.7723892107	Livetime [s]
ontime4	6635.0095374584	Sum of GTIs [s]
ontime5	8041.5999701023	Sum of GTIs [s]
ontime6	7114.6766489744	Sum of GTIs [s]
ontime7	8041.5999701023	Sum of GTIs [s]
ontime8	7477.6674850583	Sum of GTIs [s]
ontime9	6942.9038341045	Sum of GTIs [s]
l2events	577941	Number of level 2 events

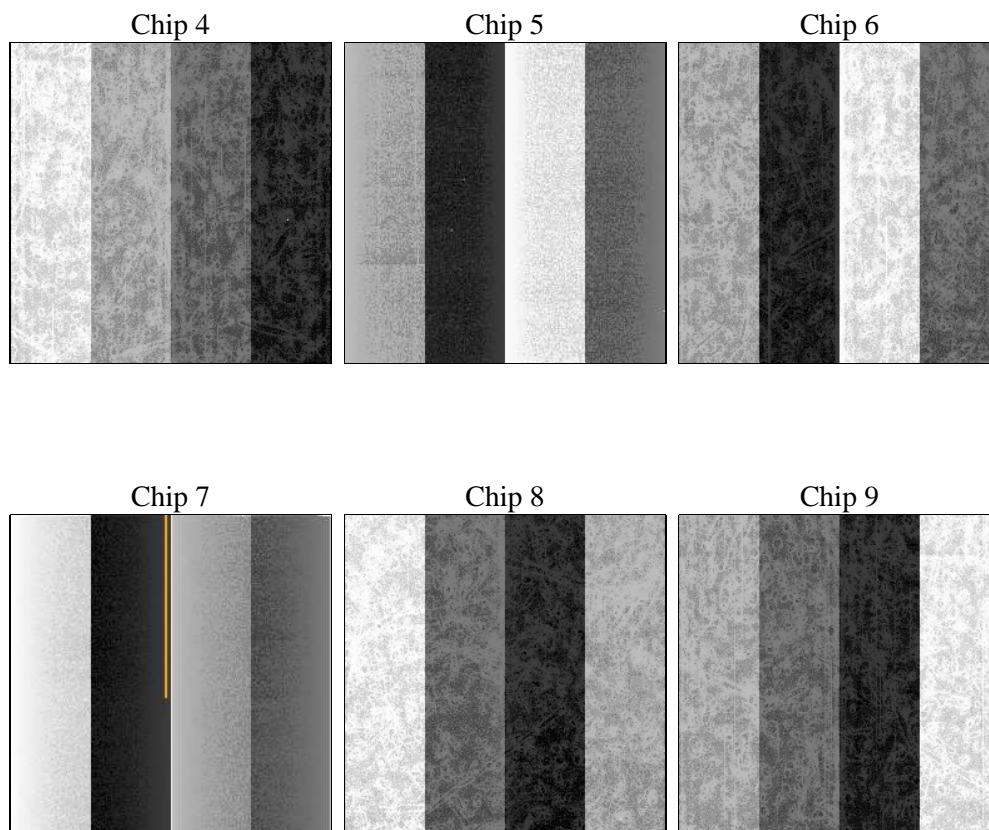
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	8041.5999701023	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	6635.0095374584	Sum of GTIs [s]
date	2012-05-14T06:07:16	Date and time of file creation	ontime5	8041.5999701023	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7114.6766489744	Sum of GTIs [s]
			ontime7	8041.5999701023	Sum of GTIs [s]
			ontime8	7477.6674850583	Sum of GTIs [s]
			ontime9	6942.9038341045	Sum of GTIs [s]
			l1events	1446515	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	231787	232268	246700	223202	259585	252973	grade 0 events	44945	21502	46800	25758	52904	44816
rejected events	152105	100116	157074	88473	155524	165969		19%	9%	18%	11%	20%	17%
rejected %	65%	43%	63%	39%	59%	65%	grade 1 events	407	286	274	154	345	299
								0%	0%	0%	0%	0%	0%
							grade 2 events	14004	49722	16748	32973	19616	18209
								6%	21%	6%	14%	7%	7%
							grade 3 events	5296	6306	5703	12244	7170	5456
								2%	2%	2%	5%	2%	2%
							grade 4 events	5347	5857	5636	12110	7311	5623
								2%	2%	2%	5%	2%	2%
							grade 5 events	3443	9669	3742	10318	4793	4009
								1%	4%	1%	4%	1%	1%
							grade 6 events	10127	48822	14781	51707	17106	12942
								4%	21%	5%	23%	6%	5%
							grade 7 events	148218	90104	153016	77938	150340	161619
								63%	38%	62%	34%	57%	63%

## 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	225.9756616674872	Alternating exposures requested	N	N
[deg] Pointing Dec	0	7.984404957533039	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	180.0707162231883			
[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)	326730072.859478	326730071.83448			
Observation start date	2008-05-09T14:21:13	2008-05-09T14:21:11			
[s] Observation end time (MET)	326753943.060641	326753942.03564			
Observation end date	2008-05-09T20:59:03	2008-05-09T20:59:02			
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)	2012.05.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0415999701023

### A.2 Comments