

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58409 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 24 2012

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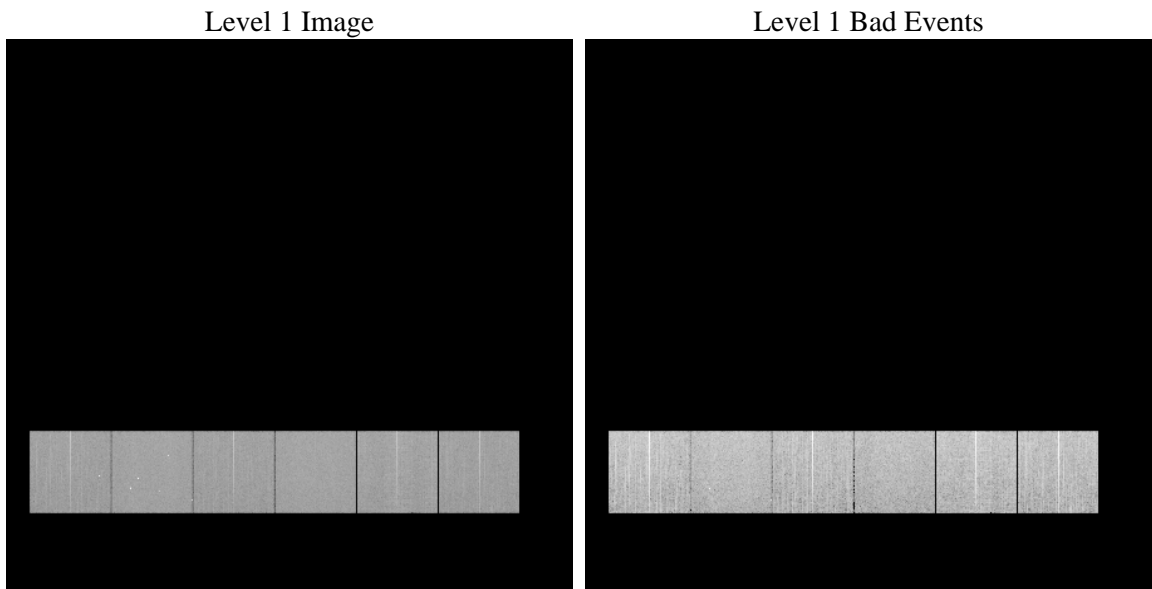
# 1 Front

seq_num	&#160	Sequence number
obs_id	58409	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	221.18130415449	Nominal RA [deg]
dec_nom	-0.71251402945334	Nominal Dec [deg]
roll_nom	173.72645943103	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8265.5999692678	Sum of GTIs [s]
livetime	8160.9359655102	Livetime [s]
ontime4	8265.5999692678	Sum of GTIs [s]
ontime5	8265.5999692678	Sum of GTIs [s]
ontime6	8262.3589989543	Sum of GTIs [s]
ontime7	8265.5999692678	Sum of GTIs [s]
ontime8	8265.5999692678	Sum of GTIs [s]
ontime9	8262.3589690328	Sum of GTIs [s]
l2events	771322	Number of level 2 events

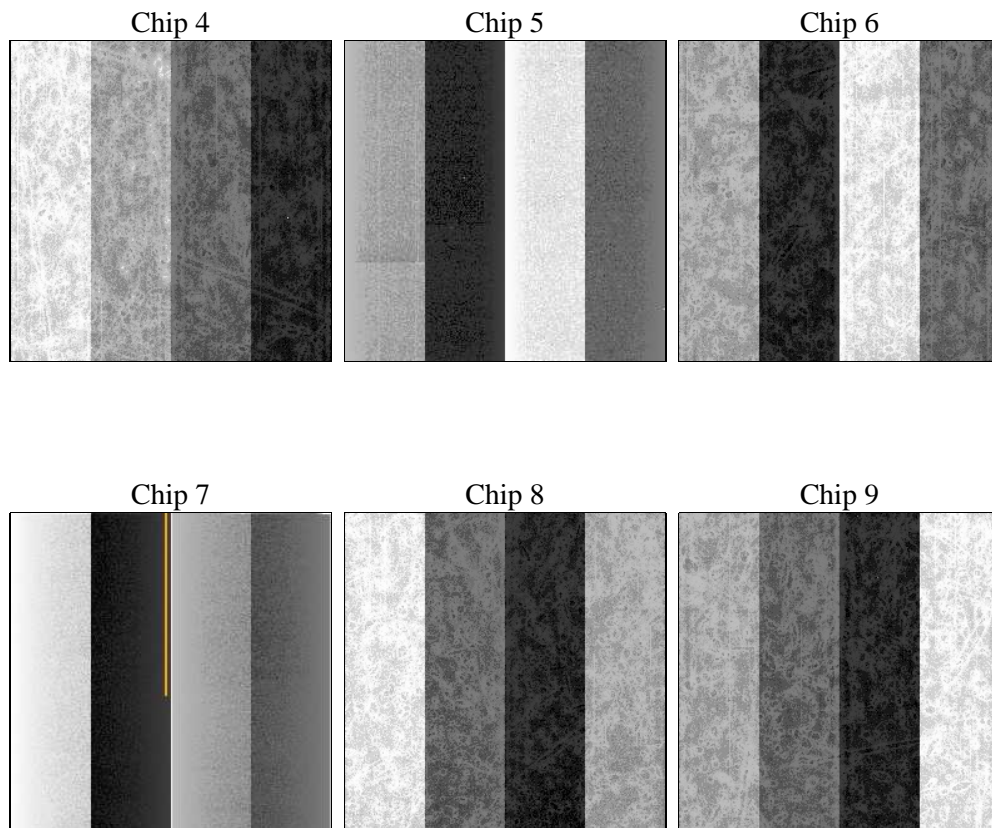
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	8265.5999692678	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8265.5999692678	Sum of GTIs [s]
date	2012-04-24T09:42:20	Date and time of file creation	ontime5	8265.5999692678	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8262.3589989543	Sum of GTIs [s]
			ontime7	8265.5999692678	Sum of GTIs [s]
			ontime8	8265.5999692678	Sum of GTIs [s]
			ontime9	8262.3589690328	Sum of GTIs [s]
			l1events	1288549	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	206581	223384	204599	224323	223897	205765	grade 0 events	70094	27133	69378	33937	73317	68418
rejected events	84560	70856	74795	64856	82748	80003		33%	12%	33%	15%	32%	33%
rejected %	40%	31%	36%	28%	36%	38%	grade 1 events	661	320	467	173	499	490
								0%	0%	0%	0%	0%	0%
							grade 2 events	19229	55284	22823	34644	25754	21502
								9%	24%	11%	15%	11%	10%
							grade 3 events	8491	7652	8425	15619	9643	8347
								4%	3%	4%	6%	4%	4%
							grade 4 events	8427	7505	8126	15410	9562	8219
								4%	3%	3%	6%	4%	3%
							grade 5 events	4223	9891	4324	10707	5524	4949
								2%	4%	2%	4%	2%	2%
							grade 6 events	15875	55070	21168	60003	22987	19359
								7%	24%	10%	26%	10%	9%
							grade 7 events	79581	60529	69888	53830	76611	74481
								38%	27%	34%	23%	34%	36%

## 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	221.1813041544852	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-0.7125140294533362	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	173.7264594310344			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	294522855.455503	294522854.43049			
Observation start date	2007-05-02T19:54:15	2007-05-02T19:54:14			
[s] Observation end time (MET)	294540788.85636	294540787.83134			
Observation end date	2007-05-03T00:53:09	2007-05-03T00:53:07			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2655999692678

### A.2 Comments