

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58061 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 6 2012

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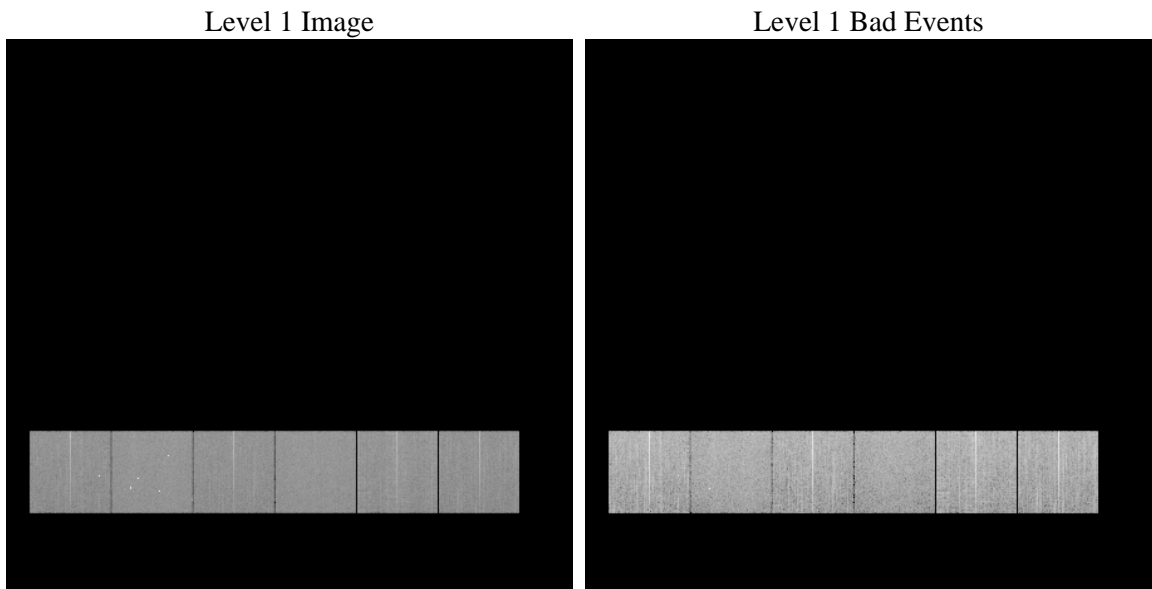
# 1 Front

seq_num	&#160	Sequence number
obs_id	58061	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	110.46248292907	Nominal RA [deg]
dec_nom	43.003493092845	Nominal Dec [deg]
roll_nom	131.34858689078	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8270.7935045362	Sum of GTIs [s]
livetime	8166.0637371078	Livetime [s]
ontime4	8270.6703845263	Sum of GTIs [s]
ontime5	8270.7524645329	Sum of GTIs [s]
ontime6	8270.7114245296	Sum of GTIs [s]
ontime7	8270.7935045362	Sum of GTIs [s]
ontime8	8270.629344523	Sum of GTIs [s]
ontime9	8270.8345445395	Sum of GTIs [s]
l2events	679222	Number of level 2 events

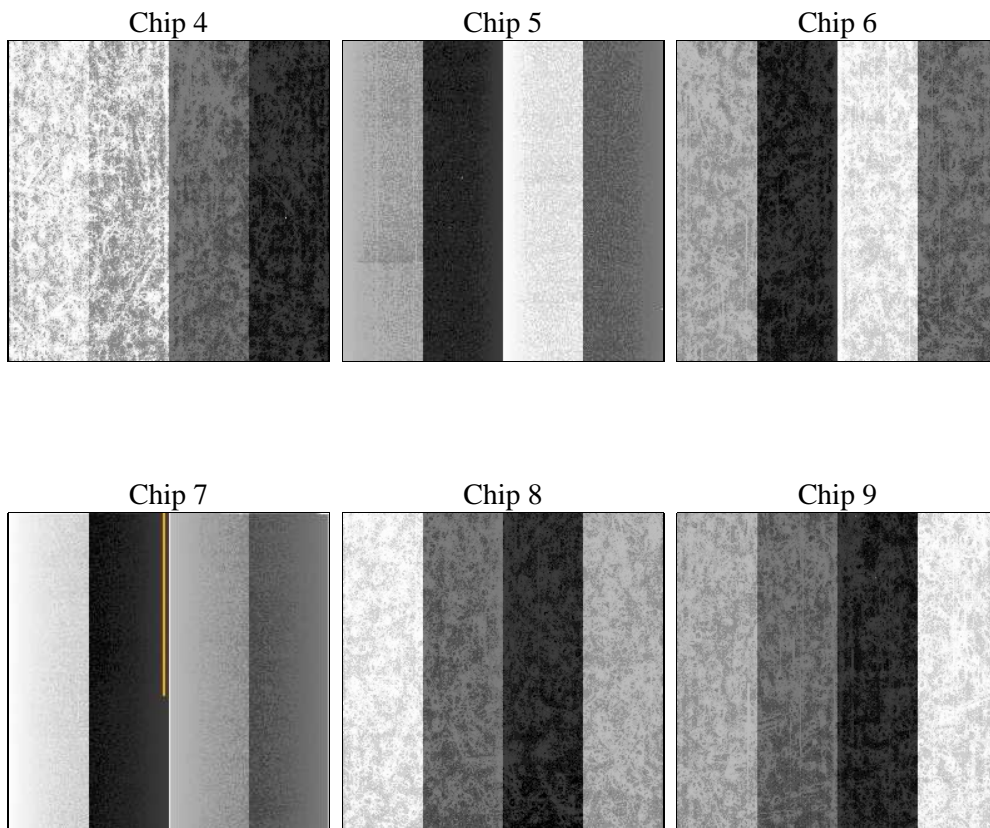
## 2 OBI

### 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	8270.7935045362	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8270.6703845263	Sum of GTIs [s]
date	2012-05-06T14:34:30	Date and time of file creation	ontime5	8270.7524645329	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8270.7114245296	Sum of GTIs [s]
			ontime7	8270.7935045362	Sum of GTIs [s]
			ontime8	8270.629344523	Sum of GTIs [s]
			ontime9	8270.8345445395	Sum of GTIs [s]
			l1events	1186273	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	188153	211710	187410	205589	205881	187530	grade 0 events	61789	27306	60173	29046	63971	58887
rejected events	80983	70068	74180	63791	81496	78348		32%	12%	32%	14%	31%	31%
rejected %	43%	33%	39%	31%	39%	41%	grade 1 events	587	255	375	178	418	419
								0%	0%	0%	0%	0%	0%
							grade 2 events	17028	49309	19890	30809	22856	18867
								9%	23%	10%	14%	11%	10%
							grade 3 events	7241	6862	7279	13568	8632	7206
								3%	3%	3%	6%	4%	3%
							grade 4 events	7276	6697	7424	13358	8508	7184
								3%	3%	3%	6%	4%	3%
							grade 5 events	4214	9566	4419	10637	5586	4739
								2%	4%	2%	5%	2%	2%
							grade 6 events	13836	51468	18464	55017	20418	17038
								7%	24%	9%	26%	9%	9%
							grade 7 events	76182	60247	69386	52976	75492	73190
								40%	28%	37%	25%	36%	39%

## 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	110.462482929073	Alternating exposures requested	N	N
[deg] Pointing Dec	0	43.00349309284477	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	131.3485868907792			
[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)	314639059.522139	314639058.49714			
Observation start date	2007-12-21T15:44:20	2007-12-21T15:44:18			
[s] Observation end time (MET)	314649163.972628	314649162.94763			
Observation end date	2007-12-21T18:32:44	2007-12-21T18:32:42			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2707935045362

### A.2 Comments