

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58431 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 23 2012

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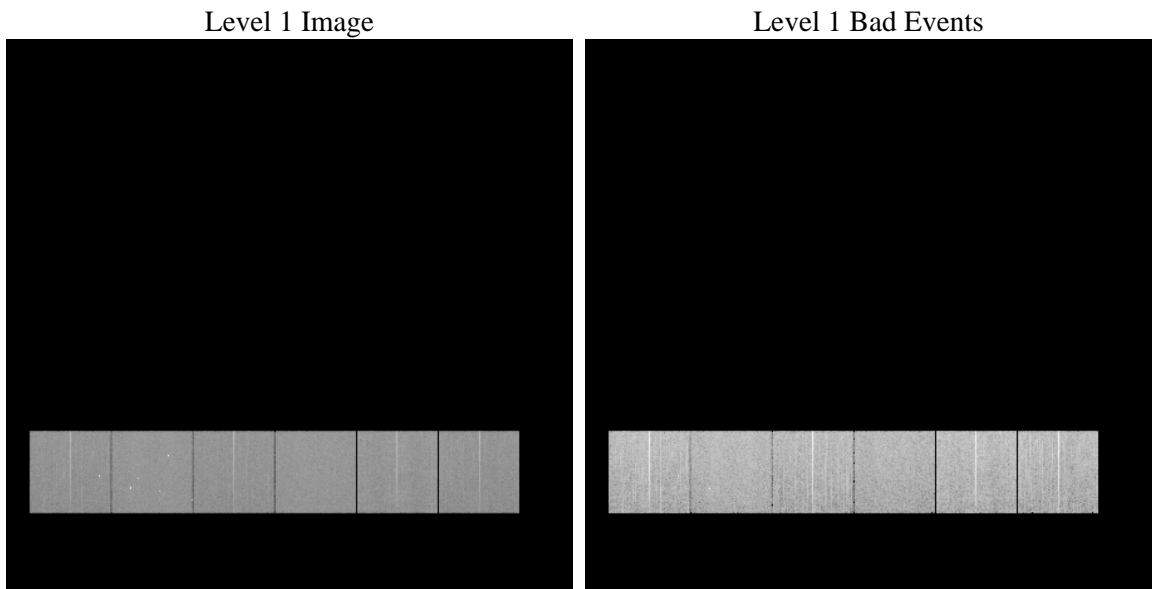
# 1 Front

seq_num	&#160	Sequence number
obs_id	58431	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	198.03562293887	Nominal RA [deg]
dec_nom	-37.786639698966	Nominal Dec [deg]
roll_nom	346.22504576731	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8179.0217403769	Sum of GTIs [s]
livetime	8075.4540422847	Livetime [s]
ontime4	8178.8986203671	Sum of GTIs [s]
ontime5	8178.9807003736	Sum of GTIs [s]
ontime6	8178.9396603703	Sum of GTIs [s]
ontime7	8179.0217403769	Sum of GTIs [s]
ontime8	8178.8575803638	Sum of GTIs [s]
ontime9	8179.0627803802	Sum of GTIs [s]
l2events	771110	Number of level 2 events

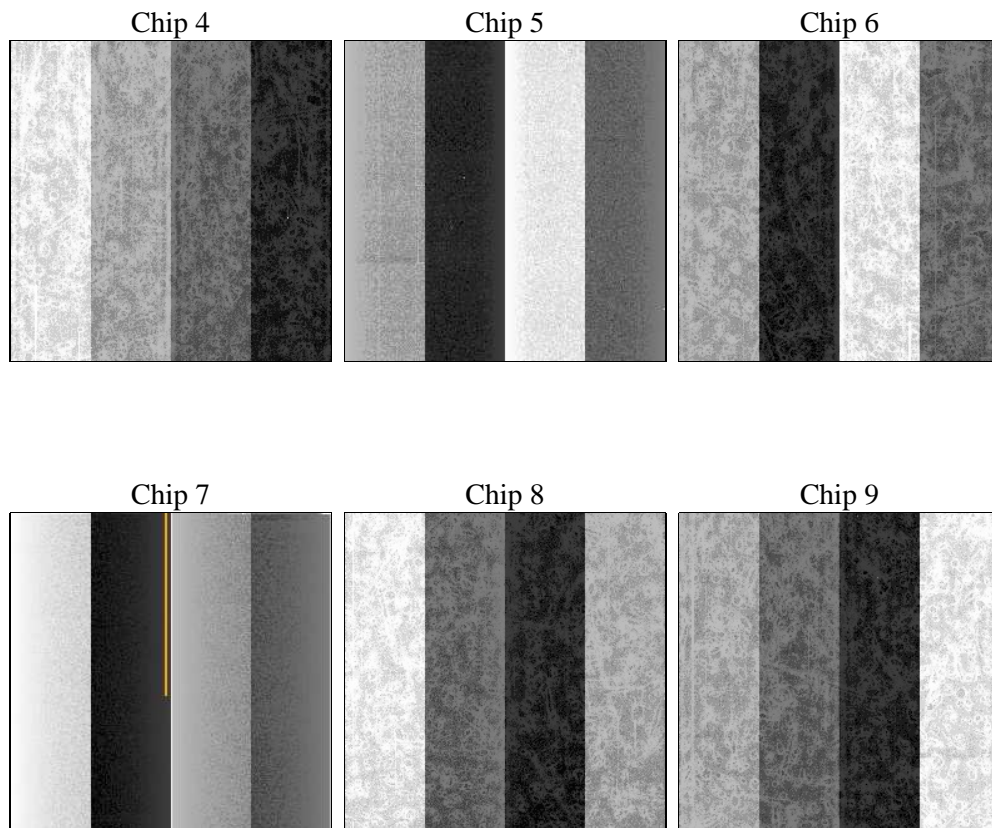
## 2 OBI

### 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	8179.0217403769	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8178.8986203671	Sum of GTIs [s]
date	2012-04-23T10:43:24	Date and time of file creation	ontime5	8178.9807003736	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8178.9396603703	Sum of GTIs [s]
			ontime7	8179.0217403769	Sum of GTIs [s]
			ontime8	8178.8575803638	Sum of GTIs [s]
			ontime9	8179.0627803802	Sum of GTIs [s]
			l1events	1293129	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	205039	225690	205725	224813	226726	205136	grade 0 events	71792	28992	70104	34647	73896	68640
rejected events	81946	71938	75769	65454	84374	79785		35%	12%	34%	15%	32%	33%
rejected %	39%	31%	36%	29%	37%	38%	grade 1 events	732	258	452	185	547	492
								0%	0%	0%	0%	0%	0%
							grade 2 events	19682	56024	23067	34862	26285	21961
								9%	24%	11%	15%	11%	10%
							grade 3 events	8539	8000	8405	15741	10080	8273
								4%	3%	4%	7%	4%	4%
							grade 4 events	8545	7971	8356	15199	9931	8306
								4%	3%	4%	6%	4%	4%
							grade 5 events	4231	9984	4295	10856	5527	4754
								2%	4%	2%	4%	2%	2%
							grade 6 events	15951	54521	21462	60667	23789	19659
								7%	24%	10%	26%	10%	9%
							grade 7 events	75567	59940	69584	52656	76671	73051
								36%	26%	33%	23%	33%	35%

## 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	198.0356229388689	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-37.78663969896596	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	346.225045767309			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	293153998.640199	293153997.61519			
Observation start date	2007-04-16T23:39:59	2007-04-16T23:39:57			
[s] Observation end time (MET)	293170777.890999	293170776.86599			
Observation end date	2007-04-17T04:19:38	2007-04-17T04:19:36			
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)	2012.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1790217403769

### A.2 Comments