

# V&V Reference Report

## L2 ASCDS Version : 8.5.1

Observation 59891 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 15 2012

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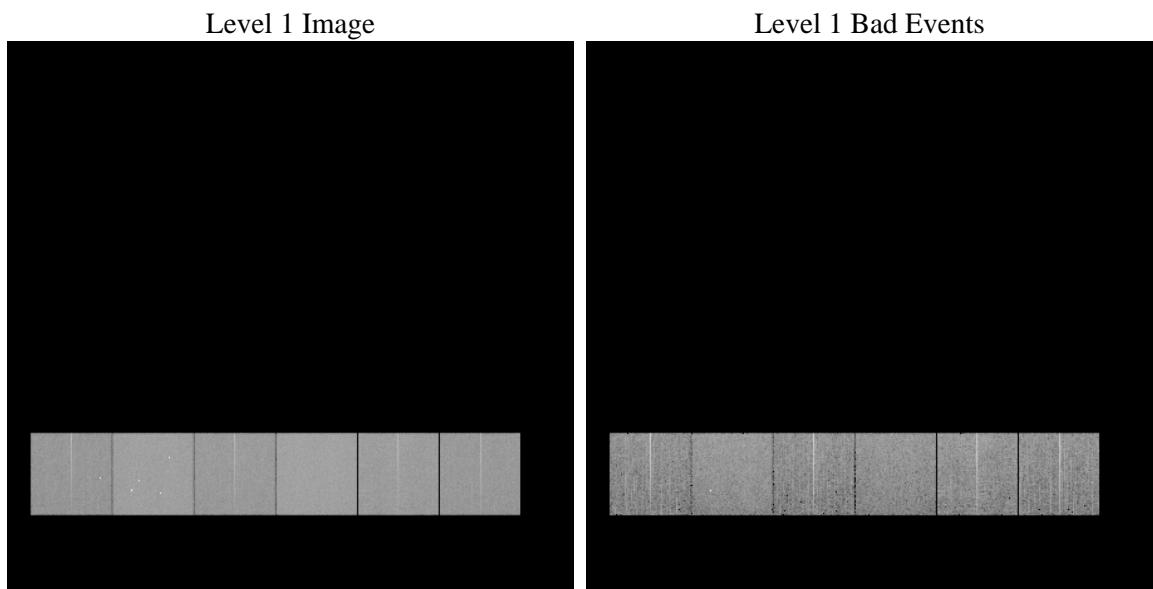
# 1 Front

seq_num	&#160	Sequence number
obs_id	59891	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	84.999031013042	Nominal RA [deg]
dec_nom	30.970494941749	Nominal Dec [deg]
roll_nom	234.71178596112	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8275.1999691725	Sum of GTIs [s]
livetime	8170.4144044356	Livetime [s]
ontime4	6038.9262216687	Sum of GTIs [s]
ontime5	8275.1999691725	Sum of GTIs [s]
ontime6	6602.8563502729	Sum of GTIs [s]
ontime7	8275.1999691725	Sum of GTIs [s]
ontime8	6813.5200380683	Sum of GTIs [s]
ontime9	6353.3012872934	Sum of GTIs [s]
l2events	1095003	Number of level 2 events

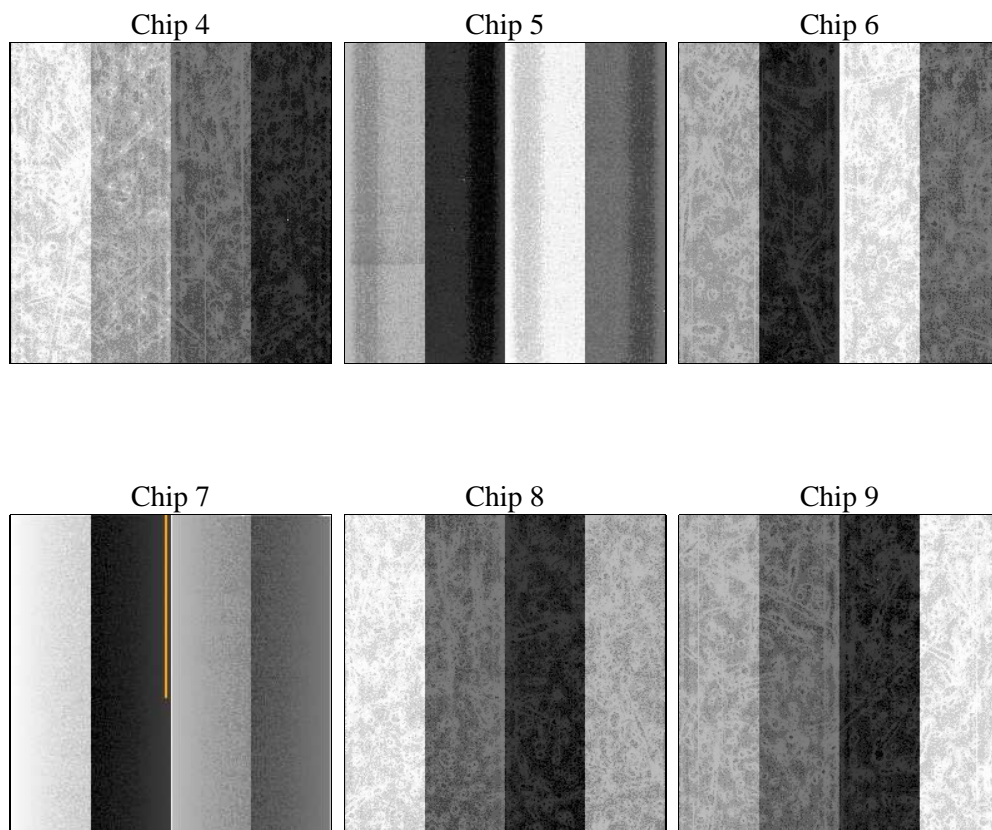
## 2 OBI

### 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	8.5.1	Processing system revision	ontime	8275.1999691725	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime4	6038.9262216687	Sum of GTIs [s]
date	2012-12-15T07:34:02	Date and time of file creation	ontime5	8275.1999691725	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	6602.8563502729	Sum of GTIs [s]
			ontime7	8275.1999691725	Sum of GTIs [s]
			ontime8	6813.5200380683	Sum of GTIs [s]
			ontime9	6353.3012872934	Sum of GTIs [s]
			l1events	1495583	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	208272	284274	233677	297072	251956	220332	grade 0 events	91551	48368	99108	58437	104948	92882
rejected events	51176	60955	51007	52386	57994	51969		43%	17%	42%	19%	41%	42%
rejected %	24%	21%	21%	17%	23%	23%	grade 1 events	733	208	514	197	559	652
								0%	0%	0%	0%	0%	0%
							grade 2 events	24791	81776	31859	53700	34270	28948
								11%	28%	13%	18%	13%	13%
							grade 3 events	10323	12153	11499	24574	12737	10738
								4%	4%	4%	8%	5%	4%
							grade 4 events	10518	12333	11346	24253	12678	10733
								5%	4%	4%	8%	5%	4%
							grade 5 events	2930	9342	3325	9299	4084	3326
								1%	3%	1%	3%	1%	1%
							grade 6 events	19913	68689	28858	83722	29329	25062
								9%	24%	12%	28%	11%	11%
							grade 7 events	47513	51405	47168	42890	53351	47991
								22%	18%	20%	14%	21%	21%

## 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	84.99903101304237	Alternating exposures requested	N	N
[deg] Pointing Dec	0	30.97049494174861	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	234.7117859611196			
[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)	220494920.717647	220494919.69263			
Observation start date	2004-12-27T00:35:21	2004-12-27T00:35:19			
[s] Observation end time (MET)	220518421.918707	220518420.89369			
Observation end date	2004-12-27T07:07:02	2004-12-27T07:07:00			
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)	2013.01.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751999691725

### A.2 Comments