

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58882 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 5 2012

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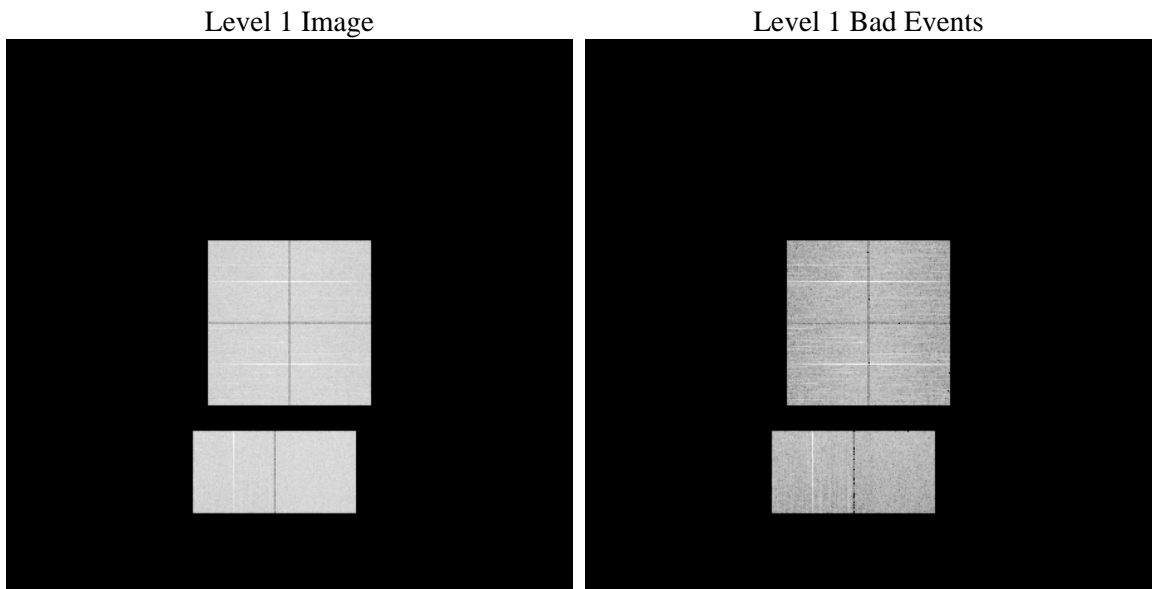
# 1 Front

seq_num	&#160	Sequence number
obs_id	58882	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycle	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	292.47559596722	Nominal RA [deg]
dec_nom	9.3844987837114	Nominal Dec [deg]
roll_nom	179.88072131256	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8156.7999696732	Sum of GTIs [s]
livetime	8053.5136570219	Livetime [s]
ontime0	8156.7999696732	Sum of GTIs [s]
ontime1	8156.7999696732	Sum of GTIs [s]
ontime2	8156.7999696732	Sum of GTIs [s]
ontime3	8156.7999696732	Sum of GTIs [s]
ontime6	8153.5589594245	Sum of GTIs [s]
ontime7	8156.7999696732	Sum of GTIs [s]
l2events	893536	Number of level 2 events

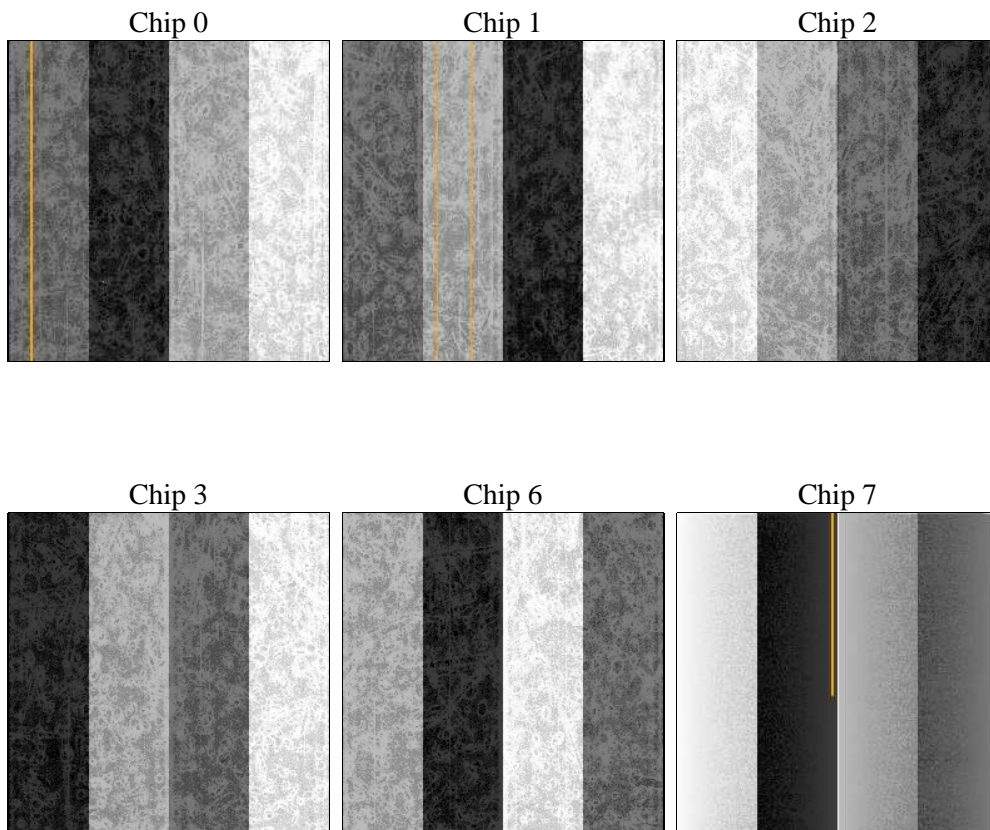
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	8156.7999696732	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime0	8156.7999696732	Sum of GTIs [s]
date	2012-04-05T11:45:01	Date and time of file creation	ontime1	8156.7999696732	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8156.7999696732	Sum of GTIs [s]
			ontime3	8156.7999696732	Sum of GTIs [s]
			ontime6	8153.5589594245	Sum of GTIs [s]
			ontime7	8156.7999696732	Sum of GTIs [s]
			l1events	1357213	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	218685	217476	225003	225105	228791	242153	grade 0 events	83231	81823	85463	86320	84577	40025
rejected events	68399	67089	73942	73010	71964	62014		38%	37%	37%	38%	36%	16%
rejected %	31%	30%	32%	32%	31%	25%	grade 1 events	566	459	600	600	477	146
								0%	0%	0%	0%	0%	0%
							grade 2 events	26597	28027	25252	25490	27930	40139
								12%	12%	11%	11%	12%	16%
							grade 3 events	9936	9721	10183	10154	9866	17293
								4%	4%	4%	4%	4%	7%
							grade 4 events	10043	9838	10234	10148	9864	17220
								4%	4%	4%	4%	4%	7%
							grade 5 events	3682	3813	3502	4155	4087	9714
								1%	1%	1%	1%	1%	4%
							grade 6 events	22575	23165	22030	22077	26800	68044
								10%	10%	9%	9%	11%	28%
							grade 7 events	62055	60630	67739	66161	65190	49572
								28%	27%	30%	29%	28%	20%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	292.4755959672241	Alternating exposures requested	N	N
[deg] Pointing Dec	0	9.384498783711352	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	179.8807213125616			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	269161158.306301	269161157.28131			
Observation start date	2006-07-13T06:59:18	2006-07-13T06:59:17			
[s] Observation end time (MET)	269184300.757385	269184299.73239			
Observation end date	2006-07-13T13:25:01	2006-07-13T13:24:59			
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)	2012.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1567999696732

## A.2 Comments