

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58664 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 14 2012

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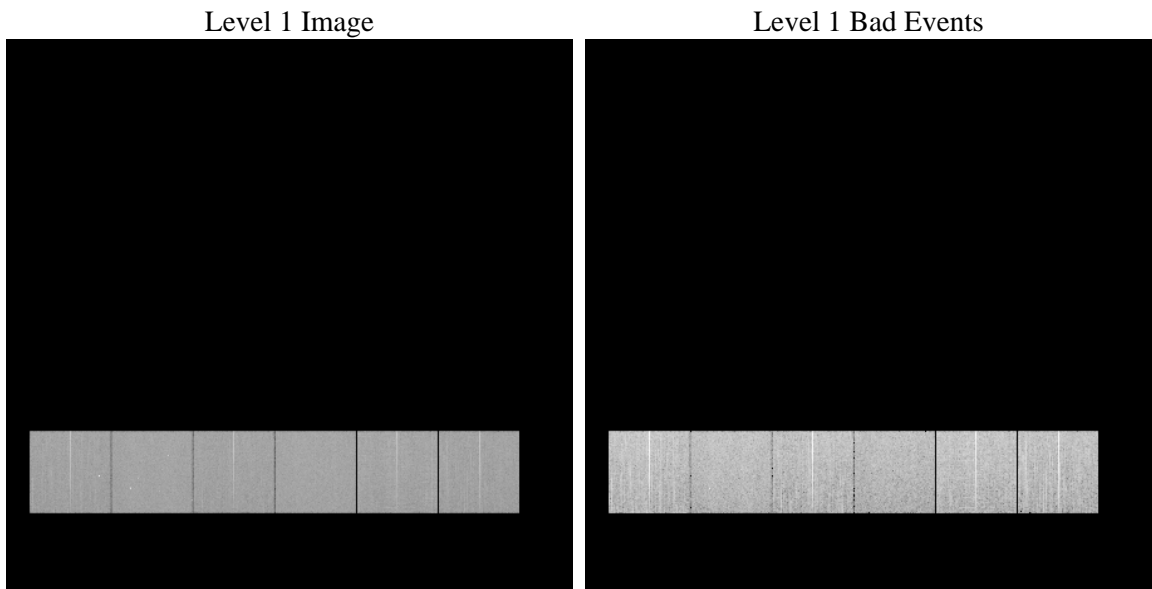
# 1 Front

seq_num	&#160	Sequence number
obs_id	58664	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	35.517797486939	Nominal RA [deg]
dec_nom	23.776483644831	Nominal Dec [deg]
roll_nom	271.86095085762	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8271.999969244	Sum of GTIs [s]
livetime	8167.254924833	Livetime [s]
ontime4	8271.999969244	Sum of GTIs [s]
ontime5	8271.999969244	Sum of GTIs [s]
ontime6	8271.999969244	Sum of GTIs [s]
ontime7	8271.999969244	Sum of GTIs [s]
ontime8	8271.999969244	Sum of GTIs [s]
ontime9	8271.999969244	Sum of GTIs [s]
l2events	859988	Number of level 2 events

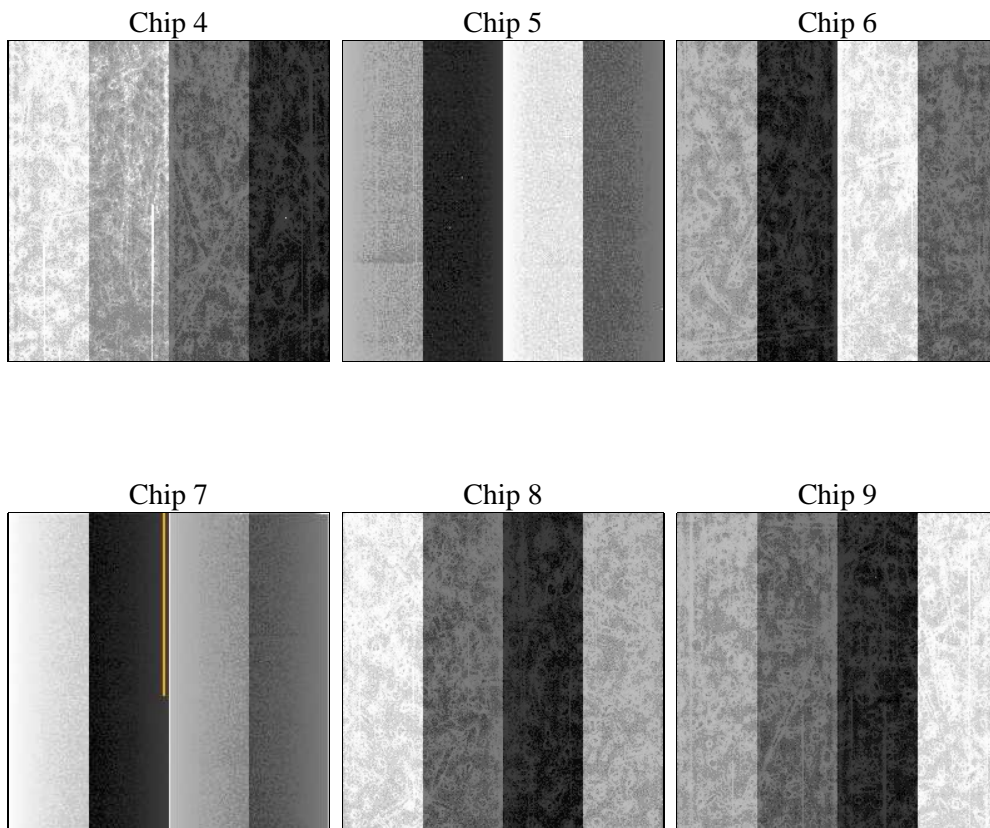
## 2 OBI

### 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	8271.999969244	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8271.999969244	Sum of GTIs [s]
date	2012-04-14T08:08:33	Date and time of file creation	ontime5	8271.999969244	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8271.999969244	Sum of GTIs [s]
			ontime7	8271.999969244	Sum of GTIs [s]
			ontime8	8271.999969244	Sum of GTIs [s]
			ontime9	8271.999969244	Sum of GTIs [s]
			l1events	1361083	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	219957	229213	220798	234293	237946	218876	grade 0 events	79122	27933	78708	38263	82927	77735
rejected events	81874	68321	73103	61101	79270	76005		35%	12%	35%	16%	34%	35%
rejected %	37%	29%	33%	26%	33%	34%	grade 1 events	754	234	451	169	558	575
								0%	0%	0%	0%	0%	0%
							grade 2 events	21853	59508	25809	37852	28394	24214
								9%	25%	11%	16%	11%	11%
							grade 3 events	9446	8429	9391	16662	10751	9321
								4%	3%	4%	7%	4%	4%
							grade 4 events	9307	8076	9326	16437	10540	9417
								4%	3%	4%	7%	4%	4%
							grade 5 events	4128	9681	4303	10263	5368	4641
								1%	4%	1%	4%	2%	2%
							grade 6 events	18411	57020	24522	64043	26103	22245
								8%	24%	11%	27%	10%	10%
							grade 7 events	76936	58332	68288	50604	73305	70728
								34%	25%	30%	21%	30%	32%

## 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	35.51779748693878	Alternating exposures requested	N	N
[deg] Pointing Dec	0	23.77648364483073	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	271.8609508576152			
[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)	281269951.276066	281269950.25107			
Observation start date	2006-11-30T10:32:31	2006-11-30T10:32:30			
[s] Observation end time (MET)	281292622.227138	281292621.20214			
Observation end date	2006-11-30T16:50:22	2006-11-30T16:50:21			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.271999969244

### A.2 Comments