

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58805 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 8 2012

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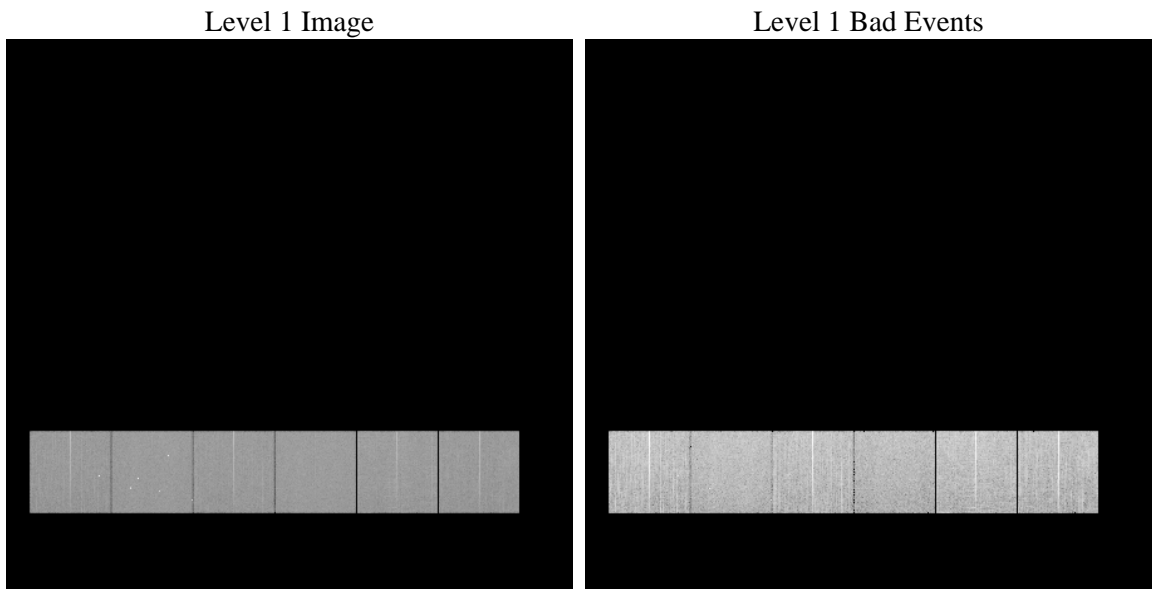
# 1 Front

seq_num	&#160	Sequence number
obs_id	58805	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	310.02101300174	Nominal RA [deg]
dec_nom	-16.520338153631	Nominal Dec [deg]
roll_nom	281.84382320366	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8207.9999694824	Sum of GTIs [s]
livetime	8104.0653316046	Livetime [s]
ontime4	8120.493571043	Sum of GTIs [s]
ontime5	8207.9999694824	Sum of GTIs [s]
ontime6	8201.5180188417	Sum of GTIs [s]
ontime7	8207.9999694824	Sum of GTIs [s]
ontime8	8204.7589792013	Sum of GTIs [s]
ontime9	8188.5540876389	Sum of GTIs [s]
l2events	907325	Number of level 2 events

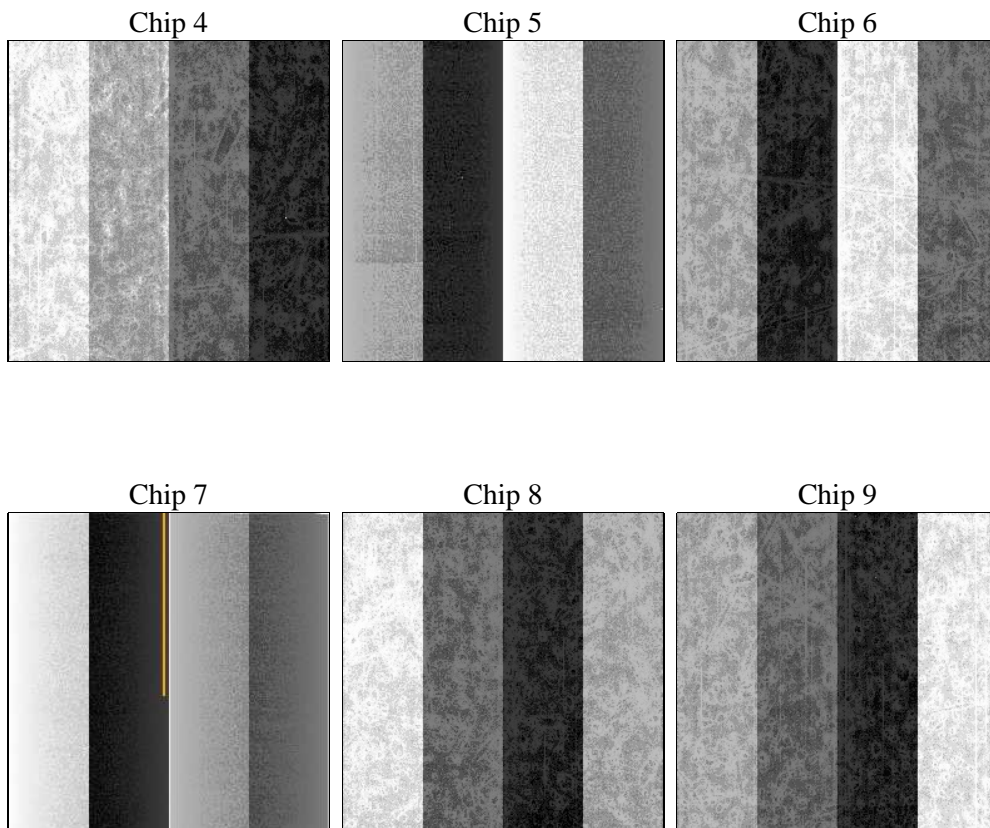
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	8207.9999694824	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8120.493571043	Sum of GTIs [s]
date	2012-04-08T18:32:58	Date and time of file creation	ontime5	8207.9999694824	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8201.5180188417	Sum of GTIs [s]
			ontime7	8207.9999694824	Sum of GTIs [s]
			ontime8	8204.7589792013	Sum of GTIs [s]
			ontime9	8188.5540876389	Sum of GTIs [s]
			l1events	1410915	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	225296	238623	232795	241733	246628	225840	grade 0 events	85270	34153	84386	40648	89392	83776
rejected events	78635	67611	75639	60220	77726	72943		37%	14%	36%	16%	36%	37%
rejected %	34%	28%	32%	24%	31%	32%	grade 1 events	766	249	518	184	573	598
								0%	0%	0%	0%	0%	0%
							grade 2 events	22962	61872	27473	39902	30267	26256
								10%	25%	11%	16%	12%	11%
							grade 3 events	10004	8923	9916	17751	11577	10166
								4%	3%	4%	7%	4%	4%
							grade 4 events	9827	8935	10086	17541	11252	9897
								4%	3%	4%	7%	4%	4%
							grade 5 events	3990	9624	4170	10120	5141	4582
								1%	4%	1%	4%	2%	2%
							grade 6 events	19716	58436	26414	67039	27677	24001
								8%	24%	11%	27%	11%	10%
							grade 7 events	72761	56431	69832	48548	70749	66564
								32%	23%	29%	20%	28%	29%

## 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	310.0210130017368	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-16.5203381536307	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	281.8438232036597			
[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)	273499637.059825	273499636.03482			
Observation start date	2006-09-01T12:07:17	2006-09-01T12:07:16			
[s] Observation end time (MET)	273522547.860902	273522546.8359			
Observation end date	2006-09-01T18:29:08	2006-09-01T18:29:06			
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)	2012.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2079999694824

### A.2 Comments