

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55295 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 18 2012

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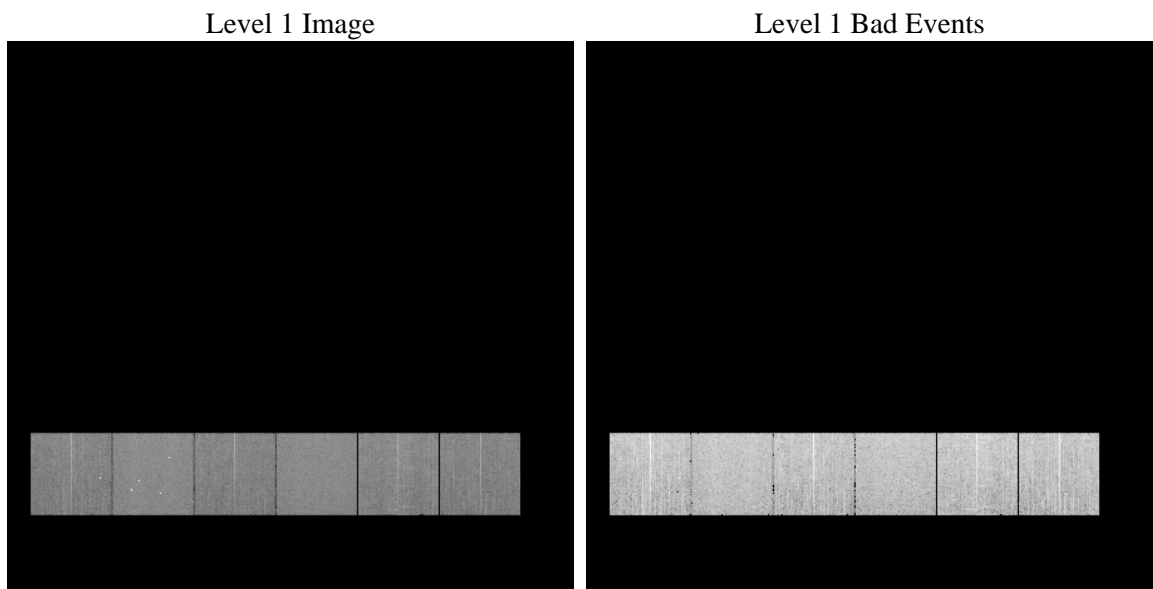
# 1 Front

seq_num	&#160	Sequence number
obs_id	55295	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	297.47474303987	Nominal RA [deg]
dec_nom	7.485922636291	Nominal Dec [deg]
roll_nom	176.43177721884	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8278.1773130894	Sum of GTIs [s]
livetime	8173.3540474311	Livetime [s]
ontime4	8278.0541930795	Sum of GTIs [s]
ontime5	8278.1362730861	Sum of GTIs [s]
ontime6	8278.0952330828	Sum of GTIs [s]
ontime7	8278.1773130894	Sum of GTIs [s]
ontime8	8278.0131530762	Sum of GTIs [s]
ontime9	8278.2183530927	Sum of GTIs [s]
l2events	328682	Number of level 2 events

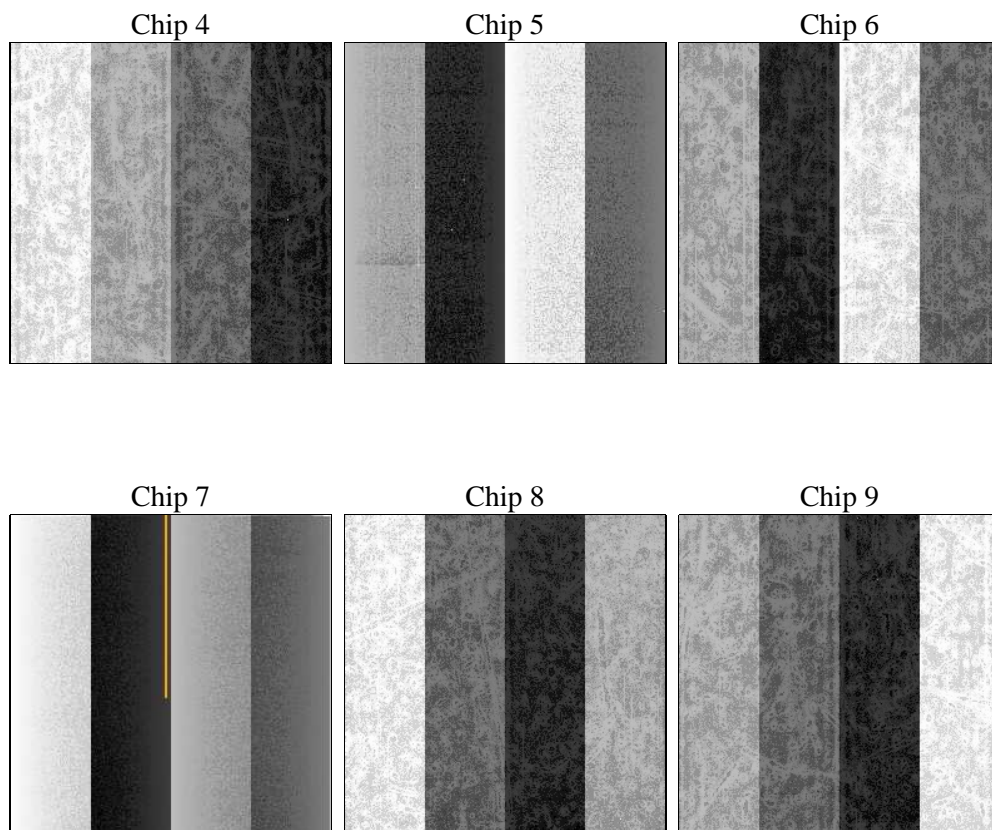
## 2 OBI

### 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	Processing system revision	ontime	8278.1773130894	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime4	8278.0541930795	Sum of GTIs [s]
date	2012-02-18T05:42:27	Date and time of file creation	ontime5	8278.1362730861	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8278.0952330828	Sum of GTIs [s]
			ontime7	8278.1773130894	Sum of GTIs [s]
			ontime8	8278.0131530762	Sum of GTIs [s]
			ontime9	8278.2183530927	Sum of GTIs [s]
			l1events	732500	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	110023	145520	108057	134197	126099	108604	grade 0 events	28388	14330	24948	12752	28975	25490
rejected events	61748	59935	58968	58104	65903	60501		25%	9%	23%	9%	22%	23%
rejected %	56%	41%	54%	43%	52%	55%	grade 1 events	236	228	143	101	160	157
								0%	0%	0%	0%	0%	0%
							grade 2 events	7177	30480	9341	16559	11371	8336
								6%	20%	8%	12%	9%	7%
							grade 3 events	3410	2900	3116	6566	4463	3286
								3%	1%	2%	4%	3%	3%
							grade 4 events	3264	2812	3211	6471	4407	3238
								2%	1%	2%	4%	3%	2%
							grade 5 events	3434	7063	3537	8699	4680	4001
								3%	4%	3%	6%	3%	3%
							grade 6 events	6056	35091	8493	33782	10996	7775
								5%	24%	7%	25%	8%	7%
							grade 7 events	58058	52616	55268	49267	61047	56321
								52%	36%	51%	36%	48%	51%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	297.4747430398669	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	7.485922636290953	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	176.4317772188377	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	427231177.169915	427231176.14496			
Observation start date	2011-07-16T19:19:37	2011-07-16T19:19:36			
[s] Observation end time (MET)	427264782.821664	427264781.79671			
Observation end date	2011-07-17T04:39:43	2011-07-17T04:39:41			
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)	2012.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2781773130894

### A.2 Comments