

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57197 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 3 2012

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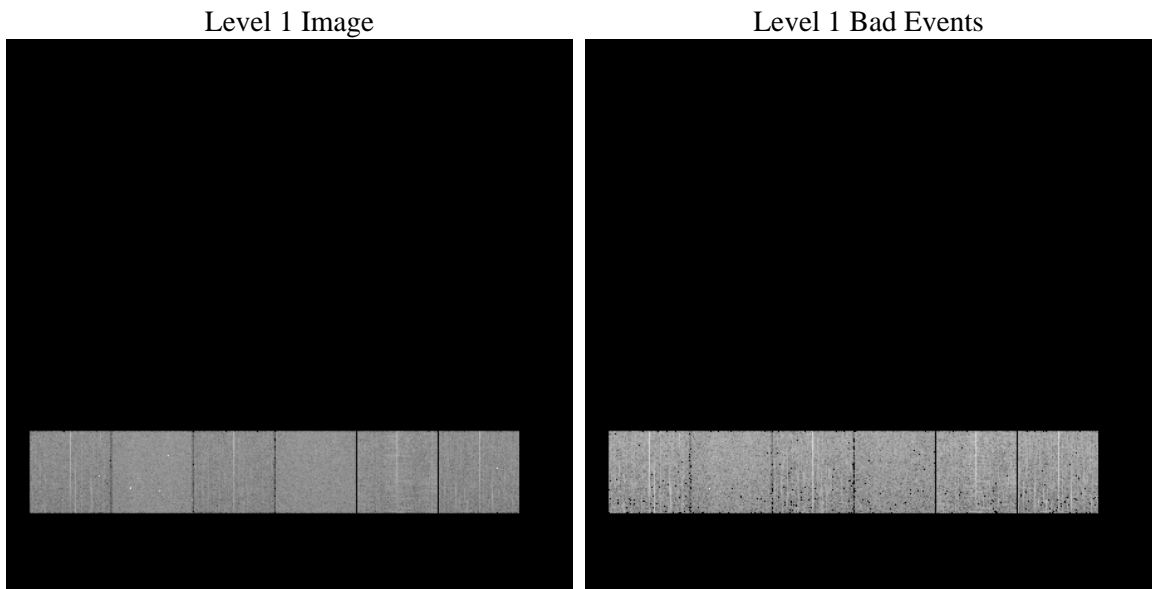
# 1 Front

seq_num	&#160	Sequence number
obs_id	57197	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	197.98028572599	Nominal RA [deg]
dec_nom	17.991299482939	Nominal Dec [deg]
roll_nom	169.97957325884	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3268.8434387445	Sum of GTIs [s]
livetime	3227.4513748619	Livetime [s]
ontime4	3270.3999878764	Sum of GTIs [s]
ontime5	3268.8844985962	Sum of GTIs [s]
ontime6	3268.9255187511	Sum of GTIs [s]
ontime7	3268.8434387445	Sum of GTIs [s]
ontime8	3270.3999878764	Sum of GTIs [s]
ontime9	3268.8023987412	Sum of GTIs [s]
l2events	212808	Number of level 2 events

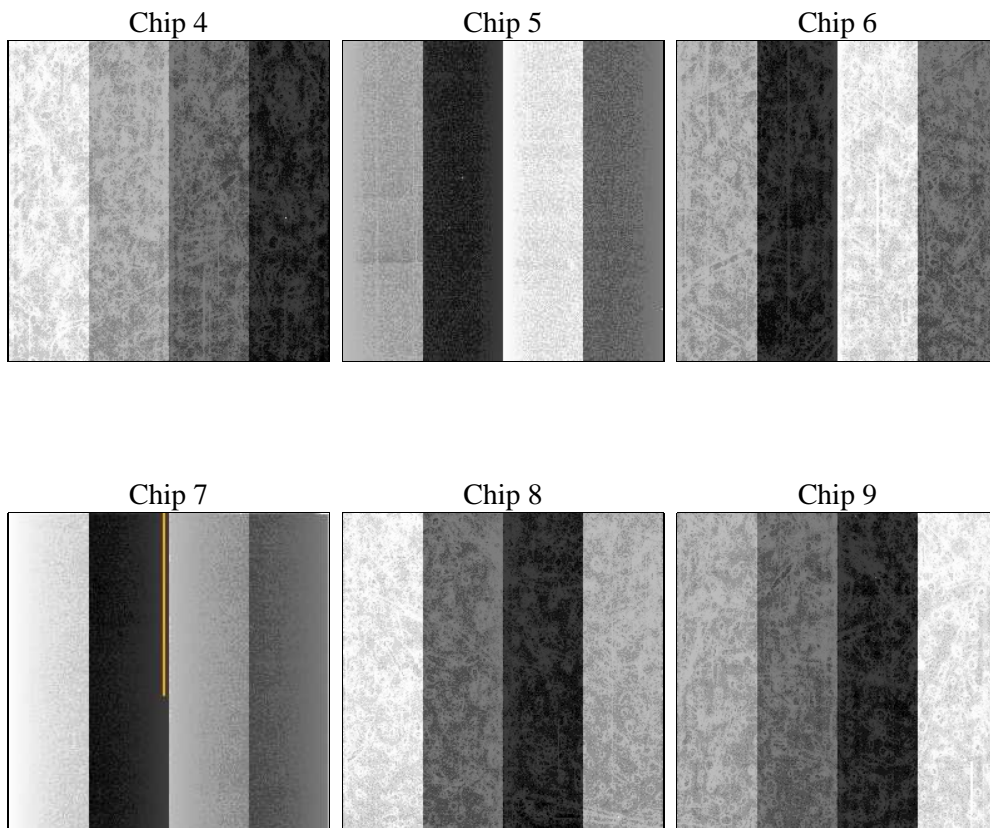
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	3268.8434387445	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	3270.3999878764	Sum of GTIs [s]
date	2012-06-03T23:08:25	Date and time of file creation	ontime5	3268.8844985962	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3268.9255187511	Sum of GTIs [s]
			ontime7	3268.8434387445	Sum of GTIs [s]
			ontime8	3270.3999878764	Sum of GTIs [s]
			ontime9	3268.8023987412	Sum of GTIs [s]
			l1events	426227	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	65724	78979	65186	75914	73670	66754	grade 0 events	18158	7882	17717	8990	19164	17964
rejected events	34125	30651	31376	28271	34710	33779		27%	9%	27%	11%	26%	26%
rejected %	51%	38%	48%	37%	47%	50%	grade 1 events	183	106	128	59	142	167
								0%	0%	0%	0%	0%	0%
							grade 2 events	5047	16896	6210	10624	7261	5534
								7%	21%	9%	13%	9%	8%
							grade 3 events	2151	2288	2211	4480	2973	2204
								3%	2%	3%	5%	4%	3%
							grade 4 events	2172	2211	2211	4374	2879	2200
								3%	2%	3%	5%	3%	3%
							grade 5 events	1743	4163	1807	4738	2386	2009
								2%	5%	2%	6%	3%	3%
							grade 6 events	4113	19051	5461	19175	6720	5073
								6%	24%	8%	25%	9%	7%
							grade 7 events	32157	26382	29441	23474	32145	31603
								48%	33%	45%	30%	43%	47%

## 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	197.9802857259877	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	17.99129948293933	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	169.9795732588397	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	355260032.174663	355260031.14965			
Observation start date	2009-04-04T19:20:32	2009-04-04T19:20:31			
[s] Observation end time (MET)	355280622.375688	355280621.35068			
Observation end date	2009-04-05T01:03:42	2009-04-05T01:03:41			
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)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2688434387445

### A.2 Comments