

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 55778 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jul 8 2012

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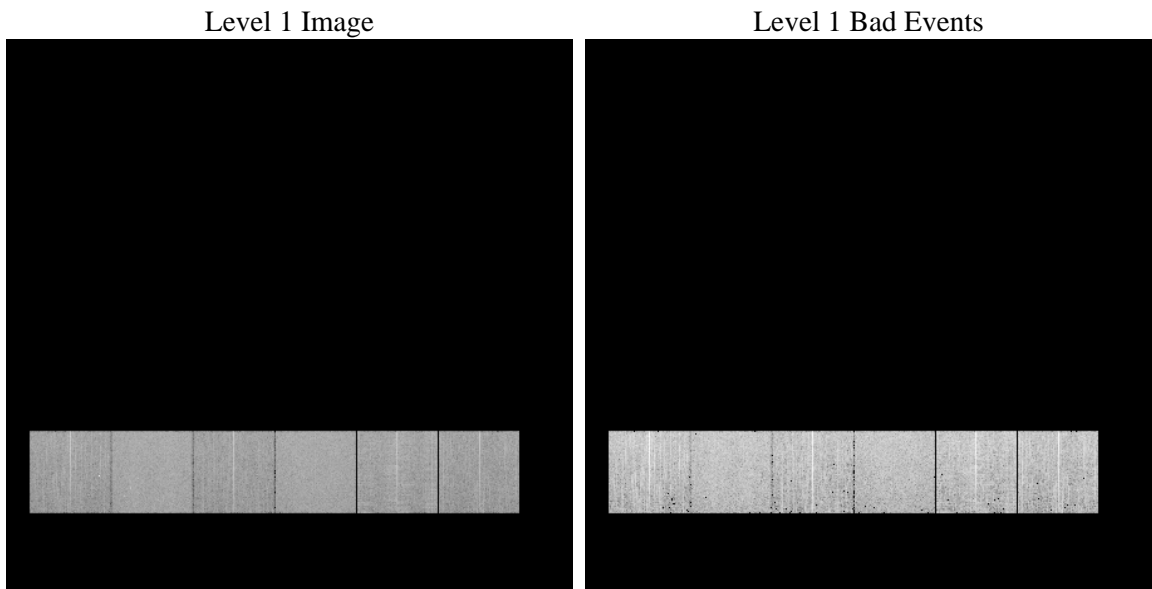
# 1 Front

seq_num	&#160	Sequence number
obs_id	55778	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	110.01177812995	Nominal RA [deg]
dec_nom	4.0303820936405	Nominal Dec [deg]
roll_nom	37.422030783769	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5580.191434145	Sum of GTIs [s]
livetime	5509.5316902179	Livetime [s]
ontime4	5580.3145541549	Sum of GTIs [s]
ontime5	5580.2324741483	Sum of GTIs [s]
ontime6	5580.2735142708	Sum of GTIs [s]
ontime7	5580.191434145	Sum of GTIs [s]
ontime8	5580.7999792695	Sum of GTIs [s]
ontime9	5580.1503942609	Sum of GTIs [s]
l2events	253086	Number of level 2 events

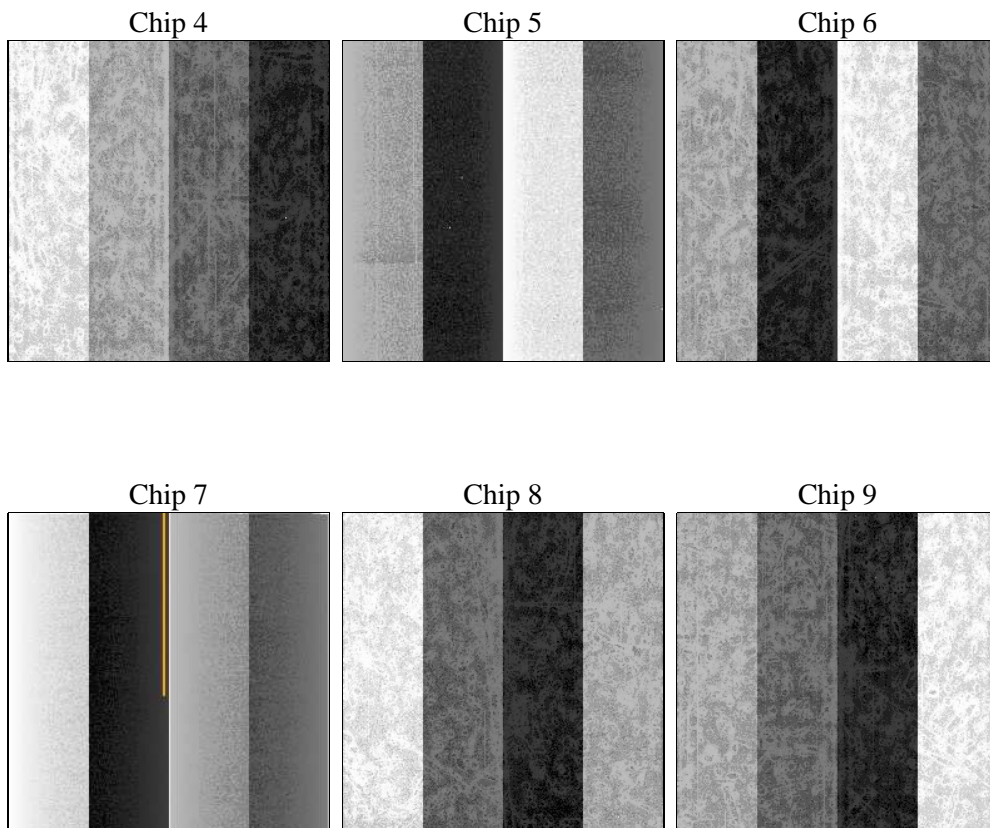
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	5580.191434145	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime4	5580.3145541549	Sum of GTIs [s]
date	2012-07-08T21:47:39	Date and time of file creation	ontime5	5580.2324741483	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5580.2735142708	Sum of GTIs [s]
			ontime7	5580.191434145	Sum of GTIs [s]
			ontime8	5580.7999792695	Sum of GTIs [s]
			ontime9	5580.1503942609	Sum of GTIs [s]
			l1events	548344	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	84702	104307	81522	101998	94484	81331	grade 0 events	20785	6532	19797	9788	22200	19313
rejected events	48460	44936	43359	42871	47969	44618		24%	6%	24%	9%	23%	23%
rejected %	57%	43%	53%	42%	50%	54%	grade 1 events	184	122	118	78	131	126
								0%	0%	0%	0%	0%	0%
							grade 2 events	5625	21771	7047	12698	8920	6459
								6%	20%	8%	12%	9%	7%
							grade 3 events	2563	2343	2477	5315	3519	2558
								3%	2%	3%	5%	3%	3%
							grade 4 events	2559	2157	2458	5165	3494	2476
								3%	2%	3%	5%	3%	3%
							grade 5 events	2581	5403	2742	6700	3570	2940
								3%	5%	3%	6%	3%	3%
							grade 6 events	4710	26568	6384	26161	8404	5907
								5%	25%	7%	25%	8%	7%
							grade 7 events	45695	39411	40499	36093	44246	41552
								53%	37%	49%	35%	46%	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	110.0117781299539	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	4.030382093640495	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	37.42203078376939	[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)	409673244.381476	409673243.35648			
Observation start date	2010-12-25T14:07:24	2010-12-25T14:07:23			
[s] Observation end time (MET)	409682399.681949	409682398.65695			
Observation end date	2010-12-25T16:40:00	2010-12-25T16:39:58			
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)	2012.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.580191434145

### A.2 Comments