

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55565 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 6 2012

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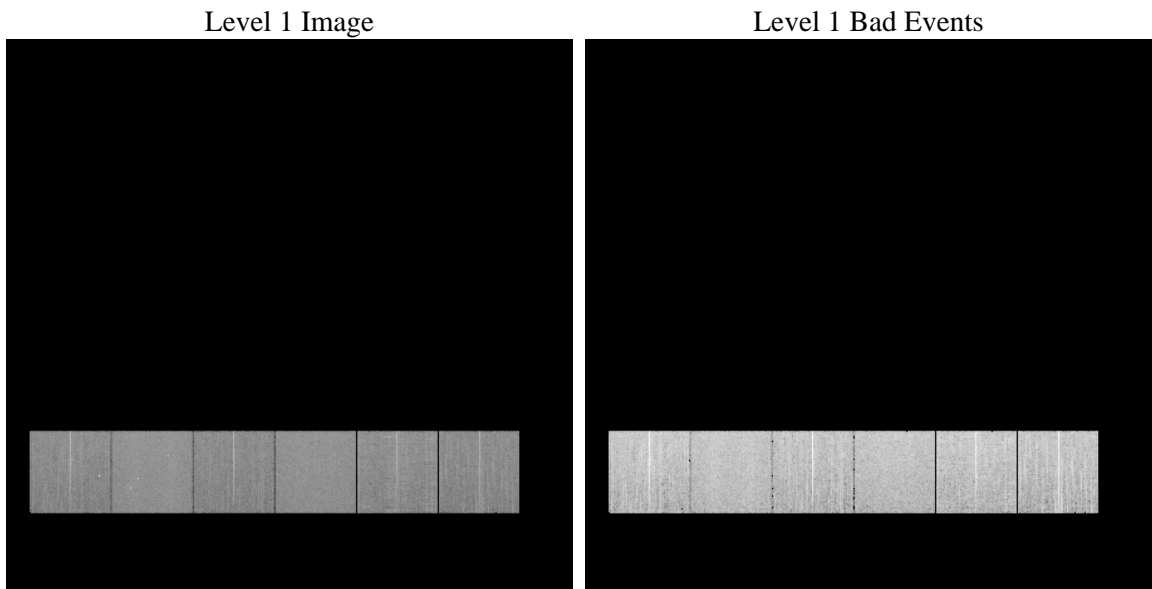
# 1 Front

seq_num	&#160	Sequence number
obs_id	55565	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	158.02040450994	Nominal RA [deg]
dec_nom	-6.0203641465054	Nominal Dec [deg]
roll_nom	281.97457712431	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8275.1999692321	Sum of GTIs [s]
livetime	8170.4144044945	Livetime [s]
ontime4	8275.1999692321	Sum of GTIs [s]
ontime5	8275.1999692321	Sum of GTIs [s]
ontime6	8275.1999692321	Sum of GTIs [s]
ontime7	8275.1999692321	Sum of GTIs [s]
ontime8	8275.1999692321	Sum of GTIs [s]
ontime9	8275.1999692321	Sum of GTIs [s]
l2events	356808	Number of level 2 events

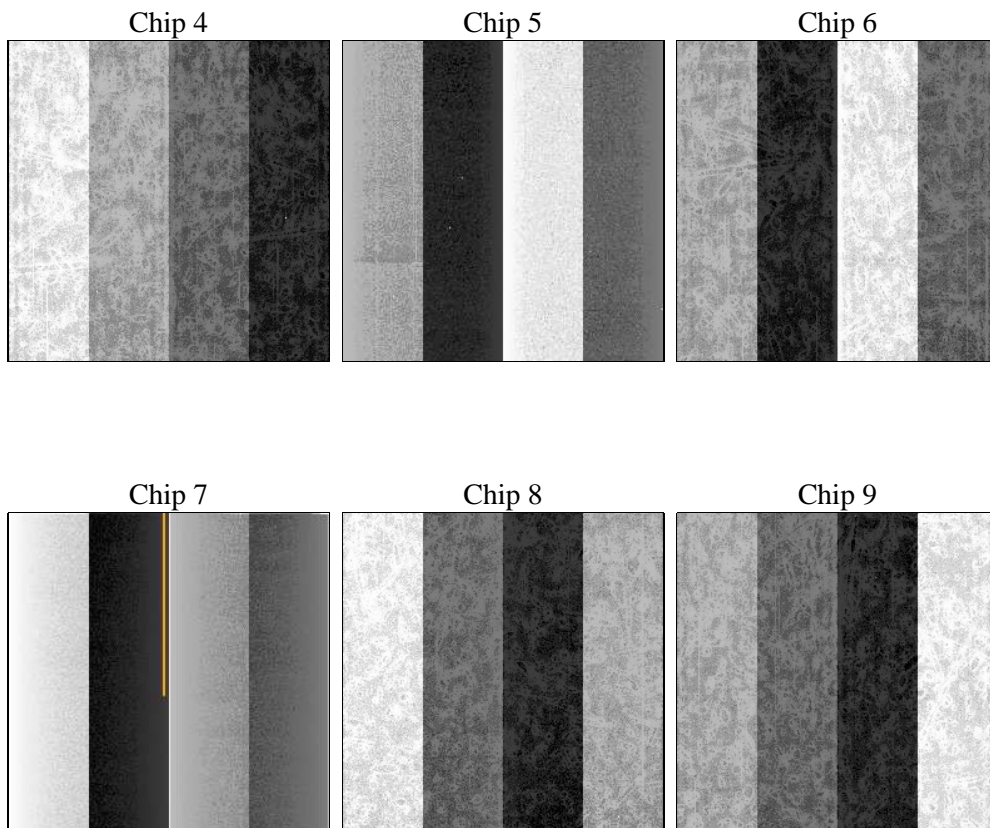
## 2 OBI

### 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	8275.1999692321	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime4	8275.1999692321	Sum of GTIs [s]
date	2012-02-06T22:15:28	Date and time of file creation	ontime5	8275.1999692321	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8275.1999692321	Sum of GTIs [s]
			ontime7	8275.1999692321	Sum of GTIs [s]
			ontime8	8275.1999692321	Sum of GTIs [s]
			ontime9	8275.1999692321	Sum of GTIs [s]
			l1events	793222	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	123340	150405	116802	145320	136253	121102	grade 0 events	30233	8981	27000	13521	30843	27506
rejected events	71422	65557	63305	62510	71491	68894		24%	5%	23%	9%	22%	22%
rejected %	57%	43%	54%	43%	52%	56%	grade 1 events	281	185	148	109	198	182
								0%	0%	0%	0%	0%	0%
							grade 2 events	7863	31484	10446	18114	12318	9298
								6%	20%	8%	12%	9%	7%
							grade 3 events	3625	2936	3429	7101	4836	3465
								2%	1%	2%	4%	3%	2%
							grade 4 events	3637	2874	3430	7122	4723	3446
								2%	1%	2%	4%	3%	2%
							grade 5 events	3729	7479	3634	9314	4929	4232
								3%	4%	3%	6%	3%	3%
							grade 6 events	6576	38607	9214	36988	12075	8511
								5%	25%	7%	25%	8%	7%
							grade 7 events	67396	57859	59501	53051	66331	64462
								54%	38%	50%	36%	48%	53%

## 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	158.0204045099433	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-6.020364146505371	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	281.9745771243136	[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)	417209977.5214	417209976.4964			
Observation start date	2011-03-22T19:39:38	2011-03-22T19:39:36			
[s] Observation end time (MET)	417220990.121971	417220989.09697			
Observation end date	2011-03-22T22:43:10	2011-03-22T22:43:09			
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)	2012.02.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751999692321

### A.2 Comments