

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57335 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 30 2012

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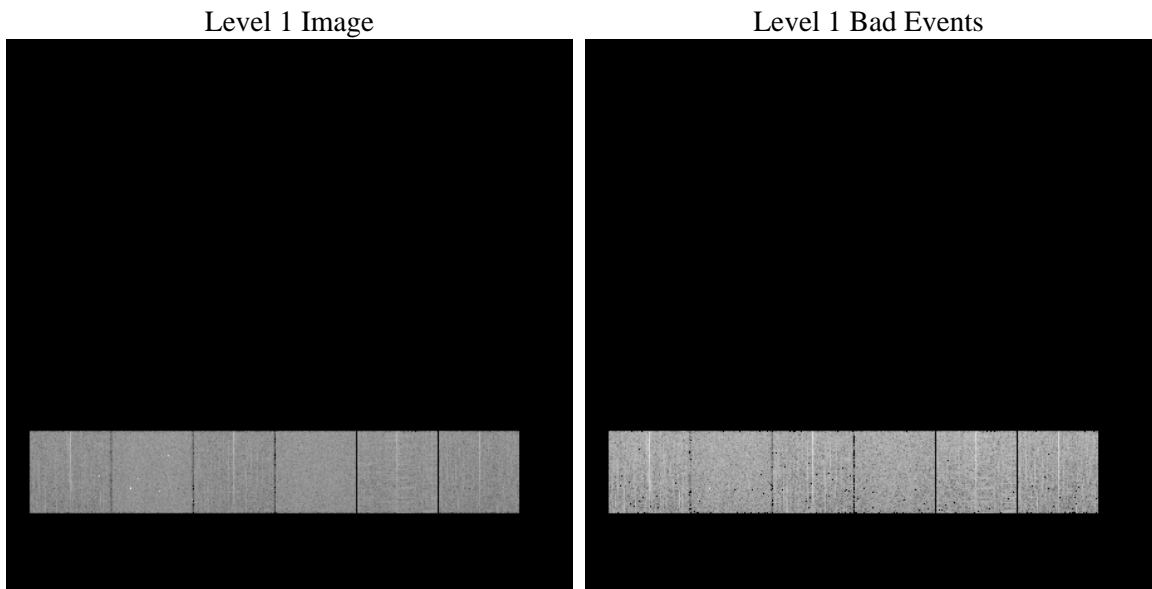
# 1 Front

seq_num	&#160	Sequence number
obs_id	57335	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycle	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	238.94667319689	Nominal RA [deg]
dec_nom	-31.404338489874	Nominal Dec [deg]
roll_nom	97.709291534358	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2991.9999889135	Sum of GTIs [s]
livetime	2954.1134834878	Livetime [s]
ontime4	2991.9660516381	Sum of GTIs [s]
ontime5	2991.9999889135	Sum of GTIs [s]
ontime6	2991.9999889135	Sum of GTIs [s]
ontime7	2991.9999889135	Sum of GTIs [s]
ontime8	2991.9250116348	Sum of GTIs [s]
ontime9	2991.9999889135	Sum of GTIs [s]
l2events	206477	Number of level 2 events

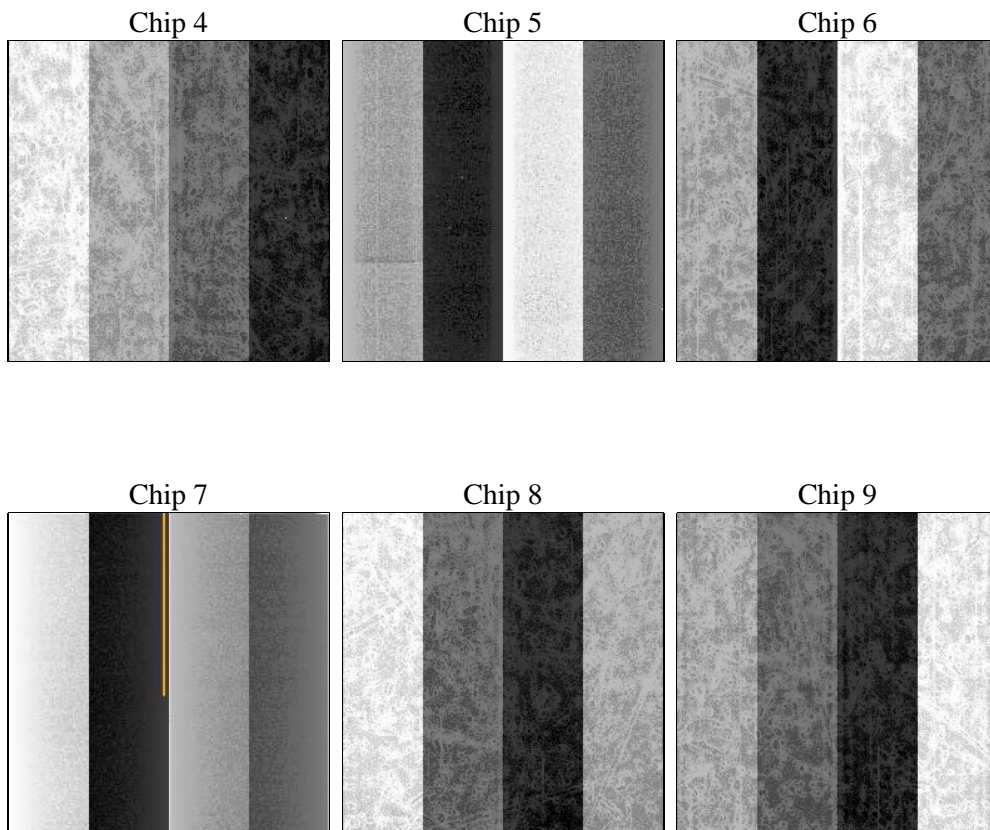
## 2 OBI

### 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	2991.9999889135	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime4	2991.9660516381	Sum of GTIs [s]
date	2012-05-30T10:53:55	Date and time of file creation	ontime5	2991.9999889135	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2991.9999889135	Sum of GTIs [s]
			ontime7	2991.9999889135	Sum of GTIs [s]
			ontime8	2991.9250116348	Sum of GTIs [s]
			ontime9	2991.9999889135	Sum of GTIs [s]
			l1events	432958	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	67099	79336	67979	77060	75624	65860	grade 0 events	19334	8590	18875	9695	20570	18394
rejected events	36137	33468	35049	31816	37647	33962		28%	10%	27%	12%	27%	27%
rejected %	53%	42%	51%	41%	49%	51%	grade 1 events	211	232	118	57	129	145
								0%	0%	0%	0%	0%	0%
							grade 2 events	5525	17364	6378	10713	7653	6111
								8%	21%	9%	13%	10%	9%
							grade 3 events	2279	2435	2303	4656	2956	2372
								3%	3%	3%	6%	3%	3%
							grade 4 events	2305	2264	2229	4520	2832	2395
								3%	2%	3%	5%	3%	3%
							grade 5 events	1716	4016	1796	4470	2335	1906
								2%	5%	2%	5%	3%	2%
							grade 6 events	4475	19453	6200	19817	7426	5565
								6%	24%	9%	25%	9%	8%
							grade 7 events	31254	24982	30080	23132	31723	28972
								46%	31%	44%	30%	41%	43%

## 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	OVERRIDE	OVERRIDE
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	238.9466731968855	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-31.40433848987412	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	97.70929153435819	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119			
[mm] SIM defocus	0.8505140384245534	0.8505140384245534			
[mm] SIM translation stage pos	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	349776536.102398	349776536.102398			
Observation start date	2009-01-31T08:08:56	2009-01-31T08:08:56			
[s] Observation end time (MET)	349781084.603183	349781084.603183			
Observation end date	2009-01-31T09:24:45	2009-01-31T09:24:44			
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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.9919999889135

## A.2 Comments