

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 54963 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 29 2012

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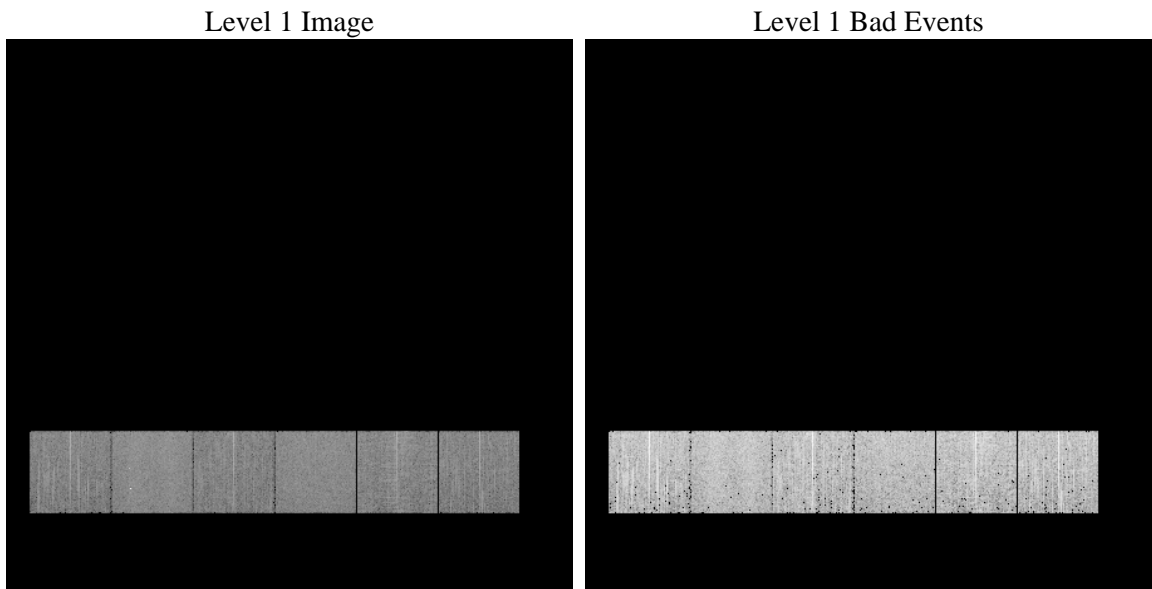
# 1 Front

seq_num	&#160	Sequence number
obs_id	54963	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	75.028223421275	Nominal RA [deg]
dec_nom	5.9946964105875	Nominal Dec [deg]
roll_nom	316.37868225566	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4041.4555928707	Sum of GTIs [s]
livetime	3990.2802486814	Livetime [s]
ontime4	4041.3324728608	Sum of GTIs [s]
ontime5	4041.4145528674	Sum of GTIs [s]
ontime6	4041.3735128641	Sum of GTIs [s]
ontime7	4041.4555928707	Sum of GTIs [s]
ontime8	4041.2914328575	Sum of GTIs [s]
ontime9	4041.496632874	Sum of GTIs [s]
l2events	145904	Number of level 2 events

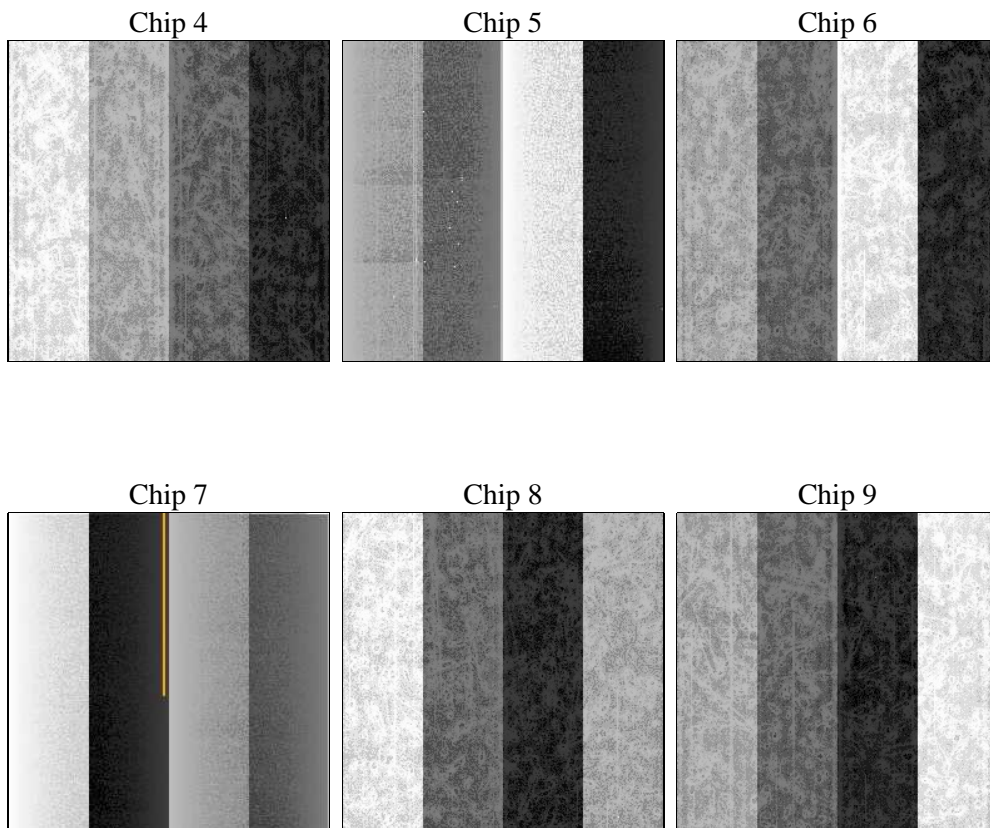
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	4041.4555928707	Sum of GTIs [s]
caldbver	4.4.8	&#160	ontime4	4041.3324728608	Sum of GTIs [s]
date	2012-02-29T14:37:00	Date and time of file creation	ontime5	4041.4145528674	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4041.3735128641	Sum of GTIs [s]
			ontime7	4041.4555928707	Sum of GTIs [s]
			ontime8	4041.2914328575	Sum of GTIs [s]
			ontime9	4041.496632874	Sum of GTIs [s]
			l1events	357715	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	55232	69422	54076	64482	60332	54171	grade 0 events	11424	3257	7483	4999	11016	9303
rejected events	35307	32339	32912	29594	34748	33548		20%	4%	13%	7%	18%	17%
rejected %	63%	46%	60%	45%	57%	61%	grade 1 events	88	62	33	43	55	56
								0%	0%	0%	0%	0%	0%
							grade 2 events	3175	12714	7617	7884	6287	5269
								5%	18%	14%	12%	10%	9%
							grade 3 events	1339	1556	901	2816	1660	1201
								2%	2%	1%	4%	2%	2%
							grade 4 events	1372	1598	885	2672	1615	1182
								2%	2%	1%	4%	2%	2%
							grade 5 events	1543	3264	1433	3907	2032	1747
								2%	4%	2%	6%	3%	3%
							grade 6 events	2615	17958	4278	16517	5006	3668
								4%	25%	7%	25%	8%	6%
							grade 7 events	33676	29013	31446	25644	32661	31745
								60%	41%	58%	39%	54%	58%

## 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	75.02822342127529	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	5.994696410587466	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	316.3786822556598	[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)	441200502.941098	441200501.9161			
Observation start date	2011-12-25T11:41:43	2011-12-25T11:41:41			
[s] Observation end time (MET)	441208559.441523	441208558.41652			
Observation end date	2011-12-25T13:55:59	2011-12-25T13:55:58			
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)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.0414555928707

### A.2 Comments