

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 54575 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jun 6 2012

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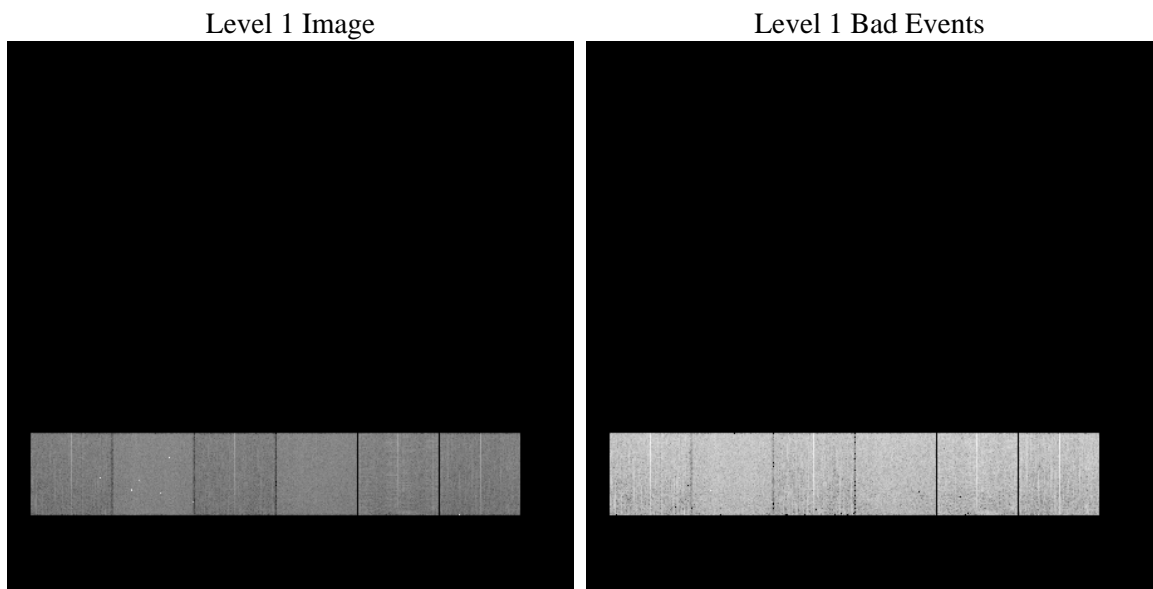
# 1 Front

seq_num	&#160	Sequence number
obs_id	54575	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	274.99941106631	Nominal RA [deg]
dec_nom	-36.969010914309	Nominal Dec [deg]
roll_nom	60.578654855337	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8278.3999692202	Sum of GTIs [s]
livetime	8173.5738841559	Livetime [s]
ontime4	8278.3999692202	Sum of GTIs [s]
ontime5	8278.3999692202	Sum of GTIs [s]
ontime6	8278.3999692202	Sum of GTIs [s]
ontime7	8278.3999692202	Sum of GTIs [s]
ontime8	8278.3999692202	Sum of GTIs [s]
ontime9	8278.3999692202	Sum of GTIs [s]
l2events	280230	Number of level 2 events

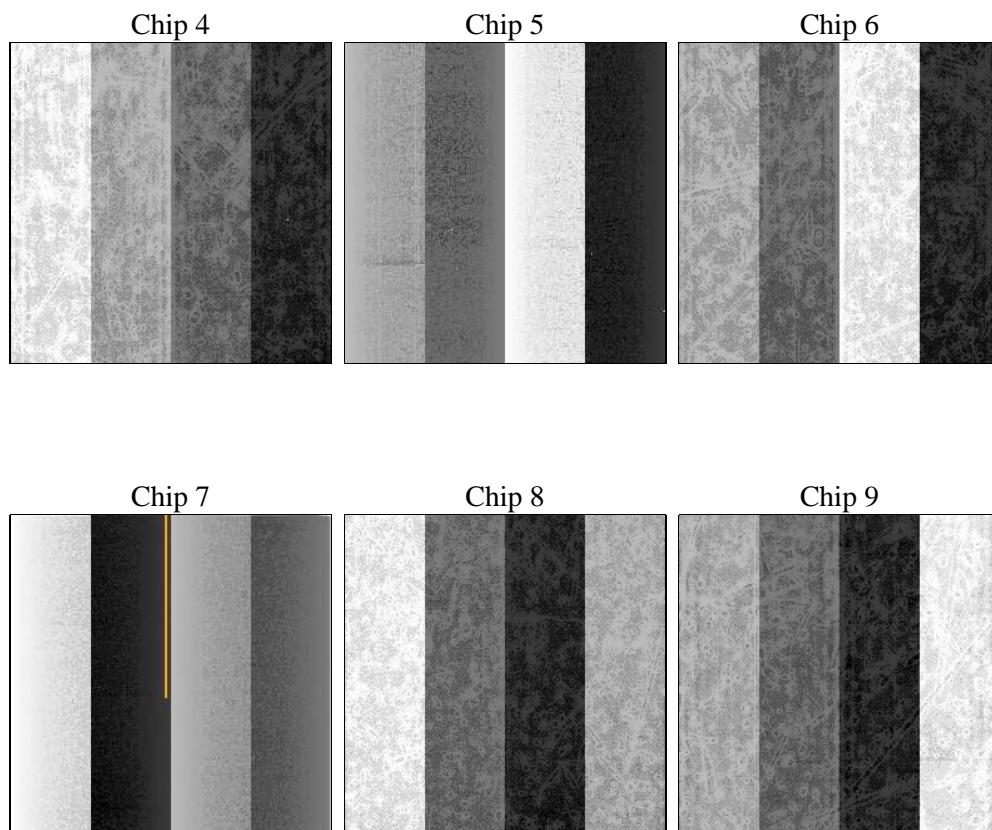
## 2 OBI

### 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	8278.3999692202	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime4	8278.3999692202	Sum of GTIs [s]
date	2012-06-06T20:45:43	Date and time of file creation	ontime5	8278.3999692202	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8278.3999692202	Sum of GTIs [s]
			ontime7	8278.3999692202	Sum of GTIs [s]
			ontime8	8278.3999692202	Sum of GTIs [s]
			ontime9	8278.3999692202	Sum of GTIs [s]
			l1events	645635	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	95839	129908	92029	121190	110212	96457	grade 0 events	23793	11539	20957	10876	24306	20776
rejected events	54959	56437	50843	55110	59216	54923		24%	8%	22%	8%	22%	21%
rejected %	57%	43%	55%	45%	53%	56%	grade 1 events	204	263	115	102	116	125
								0%	0%	0%	0%	0%	0%
							grade 2 events	6324	25408	7743	14443	9885	8717
								6%	19%	8%	11%	8%	9%
							grade 3 events	2772	2725	2681	5806	3735	2767
								2%	2%	2%	4%	3%	2%
							grade 4 events	2777	2610	2719	5695	3679	2693
								2%	2%	2%	4%	3%	2%
							grade 5 events	3305	6869	3411	8478	4447	3793
								3%	5%	3%	6%	4%	3%
							grade 6 events	5214	31189	7086	29260	9391	6581
								5%	24%	7%	24%	8%	6%
							grade 7 events	51450	49305	47317	46530	54653	51005
								53%	37%	51%	38%	49%	52%

## 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	274.9994110663117	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-36.96901091430874	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	60.57865485533669	[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)	455108018.349535	455108017.32453			
Observation start date	2012-06-03T10:53:38	2012-06-03T10:53:37			
[s] Observation end time (MET)	455118606.600099	455118605.5751			
Observation end date	2012-06-03T13:50:07	2012-06-03T13:50:05			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2783999692202

### A.2 Comments