

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58402 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 24 2012

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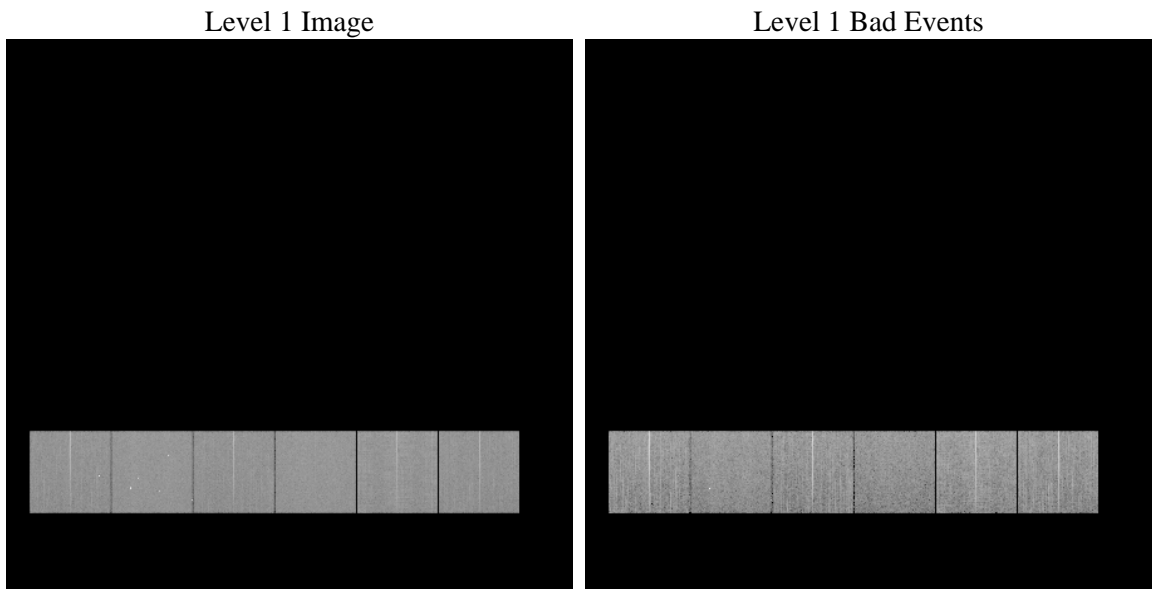
# 1 Front

seq_num	&#160	Sequence number
obs_id	58402	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	247.00500537288	Nominal RA [deg]
dec_nom	-37.971565848739	Nominal Dec [deg]
roll_nom	49.258660743991	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8271.999969244	Sum of GTIs [s]
livetime	8167.254924833	Livetime [s]
ontime4	8271.999969244	Sum of GTIs [s]
ontime5	8271.999969244	Sum of GTIs [s]
ontime6	8271.999969244	Sum of GTIs [s]
ontime7	8271.999969244	Sum of GTIs [s]
ontime8	8271.999969244	Sum of GTIs [s]
ontime9	8268.7589789629	Sum of GTIs [s]
l2events	770481	Number of level 2 events

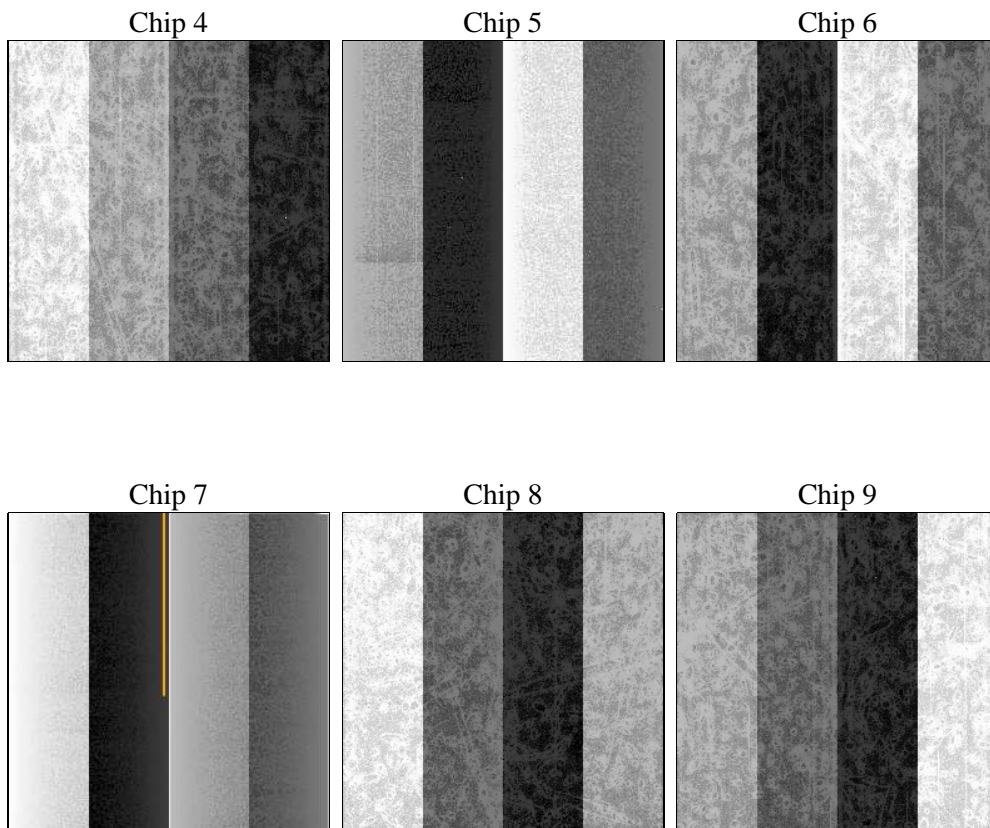
## 2 OBI

### 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	8271.999969244	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8271.999969244	Sum of GTIs [s]
date	2012-04-24T11:34:21	Date and time of file creation	ontime5	8271.999969244	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8271.999969244	Sum of GTIs [s]
			ontime7	8271.999969244	Sum of GTIs [s]
			ontime8	8271.999969244	Sum of GTIs [s]
			ontime9	8268.7589789629	Sum of GTIs [s]
			l1events	1281120	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	204169	223147	202721	223009	225322	202752	grade 0 events	71176	26912	68866	34083	73353	67972
rejected events	81342	70750	73442	63666	83175	77176		34%	12%	33%	15%	32%	33%
rejected %	39%	31%	36%	28%	36%	38%	grade 1 events	636	259	421	179	455	473
								0%	0%	0%	0%	0%	0%
							grade 2 events	19162	54957	22979	34696	25715	21811
								9%	24%	11%	15%	11%	10%
							grade 3 events	8424	8231	8180	15355	10037	8241
								4%	3%	4%	6%	4%	4%
							grade 4 events	8124	7607	8169	15533	9803	8186
								3%	3%	4%	6%	4%	4%
							grade 5 events	4157	10286	4367	10813	5600	4894
								2%	4%	2%	4%	2%	2%
							grade 6 events	15988	54690	21144	59676	23301	19366
								7%	24%	10%	26%	10%	9%
							grade 7 events	76502	60205	68595	52674	77058	71809
								37%	26%	33%	23%	34%	35%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	247.0050053728827
[deg] Pointing Dec	0	-37.97156584873903
[deg] Pointing Roll	0.0	49.2586607439914
[mm] SIM focus pos	-0.684267	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	294977828.377196	294977827.3522
Observation start date	2007-05-08T02:17:08	2007-05-08T02:17:07
[s] Observation end time (MET)	295001190.178311	295001189.15331
Observation end date	2007-05-08T08:46:30	2007-05-08T08:46:29
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.271999969244

### A.2 Comments