

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61108 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 12 2012

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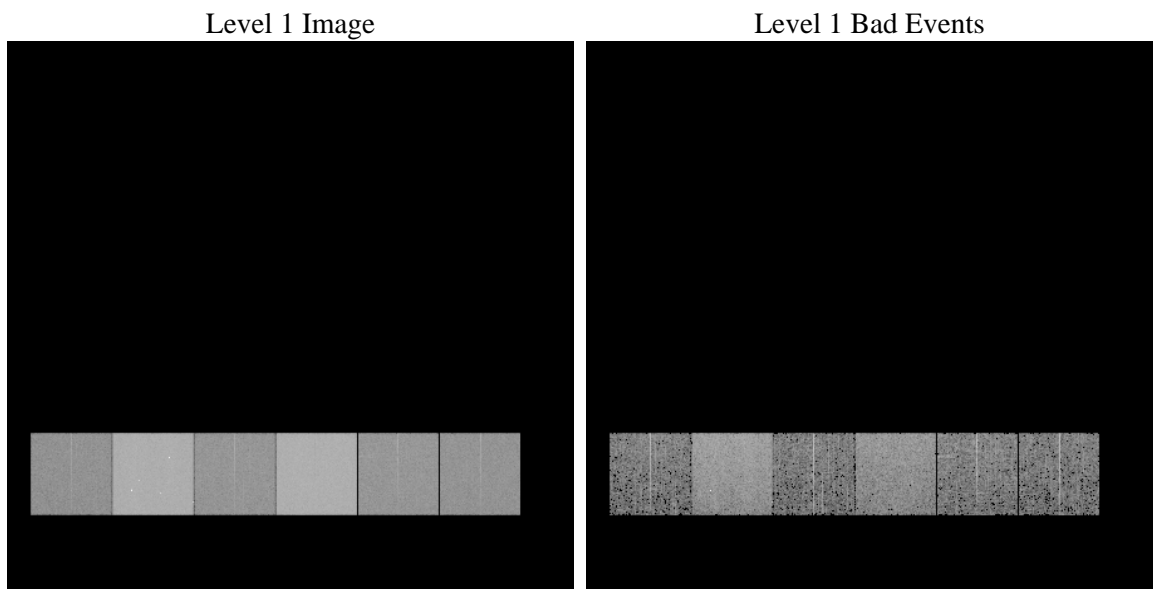
# 1 Front

seq_num	&#160	Sequence number
obs_id	61108	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	293.03874384043	Nominal RA [deg]
dec_nom	-42.996066442361	Nominal Dec [deg]
roll_nom	335.08582183489	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7294.8272601366	Sum of GTIs [s]
livetime	7202.4557649511	Livetime [s]
ontime4	2614.9640561044	Sum of GTIs [s]
ontime5	7790.7359826267	Sum of GTIs [s]
ontime6	2896.8929774165	Sum of GTIs [s]
ontime7	7294.8272601366	Sum of GTIs [s]
ontime8	2933.7670068443	Sum of GTIs [s]
ontime9	2786.5746072531	Sum of GTIs [s]
l2events	1212736	Number of level 2 events

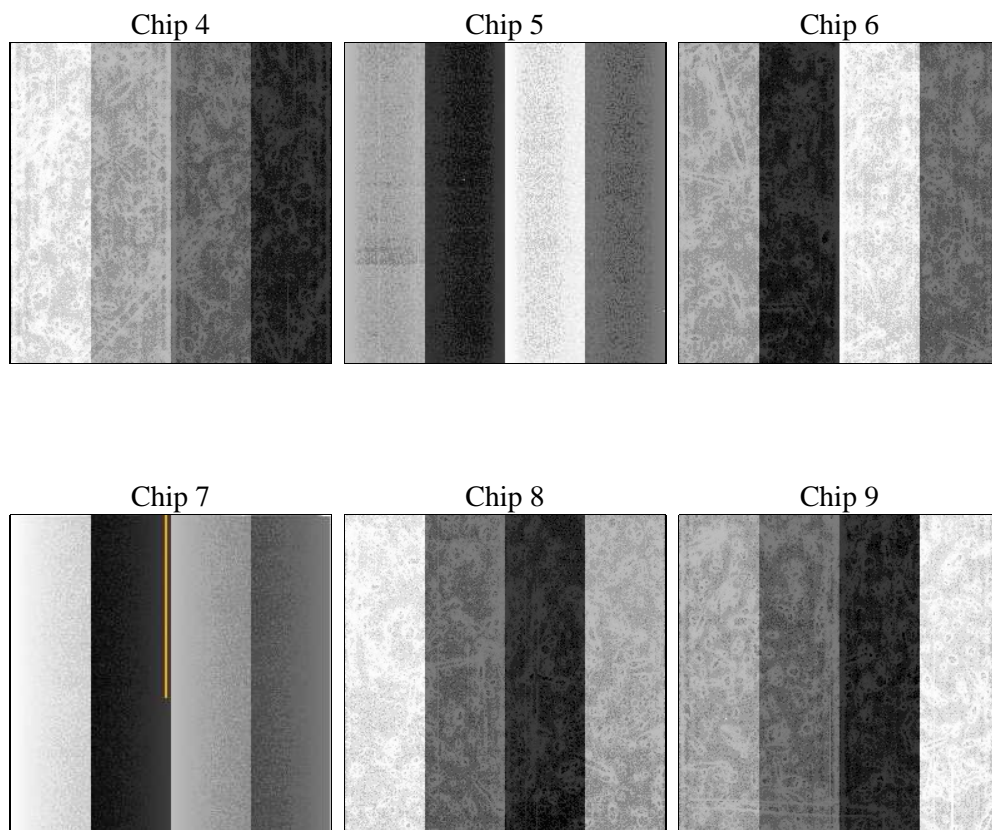
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	7294.8272601366	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	2614.9640561044	Sum of GTIs [s]
date	2012-10-12T05:07:41	Date and time of file creation	ontime5	7790.7359826267	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2896.8929774165	Sum of GTIs [s]
			ontime7	7294.8272601366	Sum of GTIs [s]
			ontime8	2933.7670068443	Sum of GTIs [s]
			ontime9	2786.5746072531	Sum of GTIs [s]
			l1events	1441332	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	143414	396788	166951	406395	172028	155756	grade 0 events	68789	85044	79865	93482	81281	74275
rejected events	20871	50999	20903	37882	23612	20095		47%	21%	47%	23%	47%	47%
rejected %	14%	12%	12%	9%	13%	12%	grade 1 events	378	324	400	295	368	362
								0%	0%	0%	0%	0%	0%
							grade 2 events	21708	122382	25395	81733	26403	24047
								15%	30%	15%	20%	15%	15%
							grade 3 events	7501	22180	9253	37179	9509	8397
								5%	5%	5%	9%	5%	5%
							grade 4 events	7665	22227	8829	37255	9418	8388
								5%	5%	5%	9%	5%	5%
							grade 5 events	1243	9407	1502	7428	1666	1535
								0%	2%	0%	1%	0%	0%
							grade 6 events	16880	93956	22706	118864	21979	20554
								11%	23%	13%	29%	12%	13%
							grade 7 events	19250	41268	19001	30159	21404	18198
								13%	10%	11%	7%	12%	11%

## 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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	293.0387438404283	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-42.996066442361	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	335.0858218348899			
[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)	143925594.968	143925593.94342			
Observation start date	2002-07-24T19:19:55	2002-07-24T19:19:53			
[s] Observation end time (MET)	143960824.22	143960823.19487			
Observation end date	2002-07-25T05:07:04	2002-07-25T05:07:03			
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)	2012.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.2948272601366

### A.2 Comments